



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

The City of Nampa Annual Report

**Permit Year Four of the Nampa MS4 Permit
(FY2013)**

October 15, 2012 – October 14, 2013

Prepared by the City of Nampa Stormwater Division
December 16, 2013

Report of Certification

Document: City of Nampa 2012-2013 NPDES MS4 Annual Report for Stormwater Permit (#IDS-028126)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations"

Signature: _____ **Date:** _____

Tom Dale, Mayor, City of Nampa

City of Nampa NPDES MS4 Annual Report

Permit #IDS-028126
December 16, 2013

Reporting Period
October 15, 2012, to October 14, 2013

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

Submitted By:
City of Nampa, Idaho
411 3rd Street South
Nampa, Idaho 83651

Table of Contents

Summary of Permit and Annual Report Requirements	1
Executive Summary	2
1. Introduction.....	6
1.1 Permittee Information.....	6
1.2 Reporting Period	6
1.3 Report of Certification.....	6
2. Status of Stormwater Management Program.....	7
2.1 Introduction	7
2.2 Public Education and Outreach (Permit Part II.B.1).....	8
2.3 Public Involvement/Participation (Permit Part II.B.2).....	12
2.4 Illicit Discharge Detection and Elimination (Permit Part II.B.3).....	15
2.5 Construction Site Stormwater Runoff Control (Permit Part II.B.4).....	20
2.6 Post-Construction Stormwater Management in New Development and Redevelopment (Permit Part II.B.5).....	27
2.7 Pollution Prevention and Good Housekeeping for Municipal Operations (Permit Part II.B.6).....	33
2.8 Assessment/Monitoring (Permit Part IV).....	40
3. Discussion of Pollutants of Concern	42
3.1 Minimum Measure #1: Public Education and Outreach	42
3.2 Minimum Measure #2: Public Involvement/Participation	43
3.3 Minimum Measure #3: Illicit Discharge Detection Elimination.....	43
3.4 Minimum Measure #5: Post-Construction Stormwater Management.....	44
3.5 Minimum Measure #5: Post-Construction Stormwater Management.....	44
3.6 Minimum Measure #6: Pollution Prevention and Good Housekeeping for Municipal Operations	44
4. Other Required Documents and Reports.....	46
Stormwater Management Plan (Revised 2013): See Appendix D	46
Monitoring Plan (Revised 2013): See Appendix E.....	46
Quality Assurance Plan (Revised 2013): See Appendix F.....	46
Copies of Additional Stormwater Materials: See Appendix G	46
Public Education and Outreach Plan: See Appendix H	46
Annual Stormwater Monitoring Report WY 2013: See Appendix I	46
Industrial Facility Inventory Report: See Appendix J.....	46
Illicit Discharge Detection and Elimination Plan: See Appendix K	46
Appendix A: Stormwater Acronyms	A-1
Appendix B: Stormwater Glossary.....	B-1
Appendix C: Stormwater Organizational Chart.....	C-1

Appendix D: Stormwater Management Plan D-1

Appendix E: Stormwater Monitoring Plan E-1

Appendix F: Quality Assurance Plan..... F-1

Appendix G: Copies of Additional Materials G-1

 Educational Materials G-2

 Nampa Stormwater Workshop Materials..... G-3

 Stormwater System Maps..... G-4

 Ordinances G-5

 Subdivision Process and Policy Manual..... G-6

 Other Stormwater Documents G-7

Appendix H: Public Education and Outreach Plan H-1

Appendix I: Annual Stormwater Monitoring Report WY 2013 I-1

Appendix J: Industrial Facilities Inventory Report J-1

Appendix K: Illicit Discharge Detection and Elimination Plan K-1

Appendix L: Post-Construction Stormwater Management Plan L-1

Appendix M: Pollution Prevention and Good Housekeeping for Municipal Operations Plan M-1

Summary of Permit and Annual Report Requirements

As required by the EPA 1999 Stormwater Phase II Final Rule, the City of Nampa (City) applied for National Pollution Discharge Elimination System (NPDES) permit coverage for stormwater discharges in February 2003. The United States Environmental Protection Agency (EPA) issued the City 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 fourth 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, the 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)
- Idaho Transportation Department District #3 (Permit #IDS-028223)

The 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 the EPA, the City 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 four of the City's MS4 Stormwater Permit ranged from October 15, 2012, through October 14, 2013. Per the permit, year four requirements were focused on the continuation of the first four minimum measures: public education/public outreach, public involvement/public participation, illicit discharge detection and elimination, and construction site stormwater runoff. Post-construction stormwater management and pollution prevention/good housekeeping programs were developed and implementation began. In addition, the City continued implementation of monitoring requirements identified in the permit's general requirements section. Finally, the City spent significant time and effort in the continued implementation of the Hispanic outreach program and continuing a partnership with the Nampa School District (NSD). 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 Nampa Stormwater webpage continued to be updated on a regular basis with new bilingual content. The bilingual stormwater webpage provides a tool for all community members to learn about the Stormwater Program, access educational information, provide input, and view program documents.
- Educational tip sheets were developed in both English and Spanish. The tip sheets provide everyday behavior changes people can implement to reduce stormwater pollution. The themes of the tip sheets included report a spill, lawn care, and home improvement projects.
- The Report a Spill tip sheet was placed in its entirety in the February 2013 IDAHO HISPANO GRATIS newspaper.
- Stormwater-related ads were placed in both the summer and fall activity guides at the Nampa Recreation Center.
- The City continued its partnership with the NSD to include stormwater-related education into classroom curriculum. The NSD is continuing to actively educate students about stormwater.
- The City developed presentations for the Nampa Hispanic Professionals and Business Owners Association and the Stormwater Advisory Group.
- The City organized and met with the Stormwater Advisory Group, a citizens committee that gave input on installing bilingual stormwater-related interpretive signage along Indian Creek. The City met with the Stormwater Advisory Group four times over the past year. The City supported this advisory group by hosting meetings, corresponding with members, preparing materials for meetings, and attending and summarizing meetings.
- A workshop was held for the construction site program run-off on October 9, 2013. The purpose of this workshop was to continue educating the construction community about stormwater permit requirements for construction projects.
- The Stormwater Division developed a fact sheet about Nampa's Stormwater Program and outreach that was done for the Hispanic community regarding the Urban Waters Initiative. This fact sheet was given to the EPA. The EPA is now using this fact sheet as an educational material to display Nampa's Hispanic outreach as an outstanding example for other communities to follow.

Public Involvement and Participation

- Continued implementation of the “City of Nampa Stormwater Division Public Education, Outreach, and Involvement Plan”. This document outlines the public education, outreach, and involvement activities that will help the City fulfill its permit requirements.
- The City continued ongoing correspondence and attended meetings with the Mexican Consulate and Hispanic professional business owners. The City’s Stormwater Public Involvement Team also participated in a variety of community events, including the Feria de Salude Health Fair, Water Education Participation Day, Day of the Child, Public Works Week, Take Care of Your Health Day, and the Mayor’s Hispanic Business Owners and Professional Forum.
- Public Involvement and Participation efforts included the third annual Community Cleanup Day held September 28, 2013. This event provided an opportunity for community members to remove trash from the banks of Indian Creek and place storm drain markers on catch basins that discharge stormwater into local waterways. Activities included placing permanent decals on storm drains, picking up litter, and holding an appreciation lunch to thank all volunteers. Since this annual event first began, the word of this project has spread, and the Stormwater Division had students from Nampa High School (NHS), Northwest Nazarene University, and people from the Hispanic community show interest in participating in this event.
- A Special City Council Workshop and periodic staff reports were presented to the City Council to provide updates on stormwater management program progress.

Hispanic Outreach Program

- Many efforts were implemented to continue educating and engaging Nampa’s Hispanic community with stormwater-related issues. The City continued reaching out to local Hispanic organizations with bilingual educational materials and the bilingual stormwater website.
- The Stormwater Public Involvement Team attended various events focused on the Hispanic community.
- The Stormwater Advisory Group helped develop bilingual signage that will be placed in City Acres Park in 2014.

Nampa School District Partnership

- The NSD has partnered with the City to conduct education and outreach activities about stormwater. The NSD, with support from the City, has been educating students about how they can help reduce pollutants of concern. The education efforts result in students passing their knowledge onto their parents, family, friends, and neighbors, which over time has and will continue to help increase community awareness about stormwater issues.
- The stormwater team has met monthly to plan and reflect on lessons developed at the fifth, eighth, and high school level. Each of these grade levels has conducted lessons geared toward educating students about the effects of pollution on the stormwater drainage system. The team of NSD teachers is designing complete kits that will provide all the lesson plans and materials needed for teachers in the NSD to conduct and implement interactive stormwater educational outreach lessons. Lesson plans are being further evaluated to meet new Common Core Standards and will be posted on the district curriculum website.
- On April 27, 2013, the NSD hosted their inaugural Water Education Day. The event was focused on water quality through pollution prevention. The majority of participants were from NHS and several NHS students actually put together booths for the event. Educational booths included an edible aquifer station, water pollution demonstration, groundwater models from IDEQ, and a City stormwater education booth. During the event, students also had the opportunity to get into scuba gear and perform a bio assessment of macro invertebrates in the Wilson Drain and witness an

electrofishing demonstration. In total, 250 students and adults attended the Nampa Community Water Education Day.

- On June 19, 2013, the Stormwater Division received an Association of Idaho Cities City Achievement Award for the partnership with the NSD.

Illicit Discharge Detection and Elimination

- Continued implementation of the Illicit Discharge Detection and Elimination Program (IDDE)
- Continuous update of the information management database designed to track the activities and actions of the IDDE Program
- Continued efforts to update the comprehensive storm sewer system map
- Continued to distribute IDDE informational fact sheets and posters to target audiences
- Continued to monitor the Report a Spill page on the Stormwater website
- On-going dry weather screening efforts on city owned outfalls
- Reviewed and updated the Industrial Inventory of all facilities that discharge directly to the MS4

Construction Site Runoff Program

- Continued to implement and update the Construction Site Runoff Program initiated in 2005.
- Inspected all construction projects disturbing five (5) acres or greater and developed prioritization for construction sites less than five acres.
- Added a bilingual Construction Site Runoff Program page to the Stormwater website to provide program information, educational materials, permit applications, and an opportunity to provide input on construction-related projects.

Post-Construction Stormwater Management

- Developed the Post Construction Storm Water Management Plan (PCSWMP) in order to quantify the current practices instituted by the City.
- Included in the PCSWMP is a summary of the current City ordinances that direct post construction storm water practices.
- The PCSWMP also identifies that all new developments for subdivisions are required to retain on site all storm water; in addition the City is responsible for all heavy maintenance while the subdivision is responsible for all light maintenance.
- The City also identified the process for pre-construction plan review and will look to improve on that process in year five.
- Hosted a half-day workshop for the local development community on the City's current Post Construction Storm Water Management Program.

Pollution Prevention/Good Housekeeping

- Developed the Pollution Prevention and Good Housekeeping for Municipal Operations Program targeting municipal activities with the potential to impact stormwater runoff
- Surveyed all City Departments and Divisions
- Reviewed existing procedures for municipal operations

Monitoring Program Development

- Three (3) monitoring stations were installed complete with flow meters and Teledyne ISSCO Flowlink software

- Samples were collected during six (6) storm events to include Indian Creek, Mason Creek, and Wilson Drain. Discharge Monitoring Reports (DMR), including pollutant loadings, were created for each sampling event.
- Created the Annual Stormwater Monitoring Report, which provides monthly and annual pollutant loadings for monitoring samples collected during the third permit year. Details of this report can be found in Appendix G.
- Continued dry weather screening was initiated as required by the Illicit Discharge Detection and Elimination Program
- City staff continued field verification activities on 1,696 City outfalls to verify ownership and confirm location and condition of outfalls. This information was used to assist in updating the City's Stormwater Comprehensive Storm Sewer System Map and conduct dry weather screening activities.
- Installed a rain gauge station at an existing monitoring site and working on the installation of a second rain gauge at an additional monitoring station.

Section 1

Introduction

As part of the NPDES MS4 permit requirements, the City 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 October 15, 2012, to October 14, 2013. 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, 2012 to October 14, 2013

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 stormwater 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 2013, the City continued efforts to educate and engage Nampa's Hispanic community with stormwater-related issues. The City reached out to local Hispanic organizations, participated in Hispanic community events, more bilingual educational communication materials were developed, and the bilingual stormwater website was updated regularly. In addition, the City worked with a Stormwater Advisory Group to develop educational bilingual interpretive signage that will be installed along Indian Creek with the purpose of educating the community about stormwater issues. The City also continued to help students learn about stormwater pollution and educate developers and the construction community about stormwater permit requirements.

Evaluation of Compliance

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

- The City is continuing to work with the NSD to educate students about stormwater. Through June 1, 2015, this stormwater/water quality education program will focus on educating K-12 students about how they can help reduce pollutants of concern. On June 19, 2013, the Stormwater Division received an Association of Idaho Cities City Achievement Award for the partnership with the NSD.
- The City attended Hispanic community events including the Feria de Salude Health Fair, Water Education Participation Day, Day of the Child, Public Works Week, Take Care of Your Health Day, and the Mayor's Hispanic Business Owners and Professional Forum. Participating in community activities and events has proven to be an effective way to educate Hispanic residents about stormwater pollution.
- The City continued to incorporate input from a consultant and representatives of target audiences to assist in creation of public educational materials that reflected the needs of the community.
- The City hosted the third annual Community Cleanup Day on September 28, 2013. At this event, volunteers spent the morning doing a variety of activities to improve the health of Nampa's water bodies. Efforts included picking up litter and debris along Indian Creek, marking storm drains with decals to remind people not to dump their waste, and placing door hangers on nearby homes with tips on how to prevent stormwater pollution.
- The City continued to implement the Public Education and Outreach Plan for the Stormwater Management Plan.
- The City continued to respond to citizen concerns relating to stormwater issues. These concerns were brought to the attention of the Stormwater Division through a dedicated phone message line, Stormwater email inbox, and Report a Spill page on the Stormwater website.
- The Stormwater Division continued to implement educational components of the Construction Site Program. This educational component will help educate developers about stormwater permit requirements.
- The Stormwater Division continued developing an educational component for the IDDE Program that will educate city employees, business owners, and the general public about the hazards of illegal dumping.
- The Stormwater Division held four meetings with a Stormwater Advisory Group to develop bilingual interpretive signage to be placed along Indian Creek. The advisory group was educated about stormwater-related issues and used their knowledge to develop signage that will help motivate behavior changes to reduce pollution.

- Stormwater staff provided a water quality lesson to 4th to 6th graders in the Nampa Recreation Center Kids in Action Summer camp. Activities included an edible aquifer demonstration and water cycle game.
- Stormwater Division held a Canyon County Stakeholder meeting with the following Phase II permittees: City of Middleton, Notus-Parma Highway District, Nampa Highway District, City of Caldwell, Canyon County Highway District, Ada County Highway District on September 26, 2013.
- Hosted a PCSWMP workshop with the development community

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

- The City developed and distributed educational tip sheets, fact sheets, and ads that focused on specific ways to keep the community and its water bodies healthy. These educational materials include:
 - Report a Spill tip sheet (bilingual)
 - Lawn Care tip sheet (bilingual)
 - Home Improvement Projects tip sheet (bilingual)
 - EPA fact sheet about Hispanic Outreach Program (English)
 - Stormwater Community Cleanup Day ad (English)
 - “Help Keep Pollution Out of Our Storm Drain” ad (English)
- The Stormwater Division developed a fact sheet about Nampa’s Stormwater Program and outreach that was done for the Hispanic community. This fact sheet was given to the EPA. The EPA is now using this fact sheet as an educational material to display Nampa’s Hispanic outreach as an outstanding example for other communities to follow.
- On September 28, 2013, the Stormwater staff held the third annual Stormwater Community Cleanup Day focusing on Indian Creek. The emphasis of this event is to educate the public about stormwater pollution and encourage involvement in stormwater related activities. In total, 91 people participated. The following summarizes the educational component of the event:
 - One ad promoting the cleanup day was placed in both the summer and fall/winter activity guide published and distributed by the Nampa Recreation Center. In each publication, 40,000 copies were distributed through direct mail to all Nampa residences and other relevant locations
 - Stormwater staff presented a short water quality overview to all of the participants
 - Drawstring sports packs with the Nampa Stormwater logo containing stormwater information were distributed to the participants
 - 167 storm drains marked with decals reminding people to “Dump no Waste, Drains to Stream”
 - 650 door hangers placed on nearby homes with tips on how to prevent stormwater pollution and information about the storm drain decals
 - Three visual water quality assessments were performed by the participant along Indian Creek
 - 22 bags of garbage and two shopping carts were collected near Indian Creek
 - Wal-Mart once again helped to sponsor the event with a volunteer appreciation lunch
 - 30 Interested participants made edible aquifers
 - Provided City Council with a summary of Cleanup Day events on October 7, 2013
- On October 9, 2013, Stormwater staff hosted an informational booth at the City of Nampa Employee Wellness Fair. The focus of the information distributed to full and part-time employees and their families surrounded the idea of a clean and healthy environment by keeping pollutants out of the

storm drains and local water bodies. Approximately 215 employees and spouses attended this event. The following is a list of the materials provided at this event:

- Giveaways including lunch bags and desktop sprout growing boxes with the stormwater logo
- 200 copies of an IDDE fact sheet
- 200 copies of a Report a Spill fact sheet
- 100 copies of word games associated with general stormwater information
- 200 copies of a bilingual Car Maintenance tip sheets
- 200 copies of a bilingual Stormwater Program fact sheet
- The Stormwater staff attended a variety of Hispanic community events. A large, table-top display station was created that provided bilingual educational information about how to prevent stormwater pollution. Stormwater staff attended and distributed educational materials at:
 - Feria de Salude Health Fair
 - Community Water Education Participation Day
 - Mayor’s Hispanic Professional Business Owners and Professional Forum
 - Day of the Child
 - Take Care of Your Health Expo
 - The Mexican Consulate
 - Nampa’s Public Works Week
 - Community Cleanup Day
- The City worked with Hispanic publications (Idaho Hispano and Mirada Magazine) to include information about stormwater.
 - A tip sheet was placed in Idaho Hispano which provided advice on how to reduce stormwater pollution.
 - An article was written and placed in Idaho Hispano that explained the purpose of Nampa’s Stormwater Program and provided information about stormwater pollution issues.
 - Stormwater staff gave a radio interview on KWEI to promote Nampa’s Stormwater Program and explain everyday behavior changes that can help reduce stormwater pollution.
- The Stormwater Outreach Teams efforts resulted in:
 - Printing and distributing approximately 1,600 tip sheets
 - Presenting educational stormwater information to nearly 1,800 people at community events
 - Providing 10,000 readers of Idaho Hispano with everyday tips for reducing stormwater pollution
- Conducted IDDE and Pollution Prevention training to six (6) City departments/divisions for a total of 106 employees receiving educational materials.
- City distributed educational materials relating to the EPA’s Construction General Permit to appropriate audiences, including contractors and developers within the urbanized area.
- Distributed the following information at the Post-Construction Storm Water Management Plan (PCSWMP) public outreach workshop held on October 10, 2013: IDDE Fact Sheet, PCSWMP PowerPoint Presentation, Engineering Development Process and Policy Manual, Permit. In addition the attendees were directed to the website for additional information.

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

- The City of Nampa Stormwater Website can be found at : <http://www.cityofnampa.us/stormwater/>
- The City has continued to update the Stormwater information webpage with appropriate educational information. The website includes all communication materials, the Stormwater Management Plan, annual reports, and documentation of media events. In 2013:
 - Over 1,000 people visited the bilingual stormwater program website
 - The bilingual stormwater website received nearly 4,000 page views
 - The City received an award from the Idaho Press Club for Nampa’s bilingual stormwater program website

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
- Continue to distribute appropriate Stormwater education materials to target audiences
- Continue to update Stormwater information webpage with appropriate educational information. The website includes all communication materials, the Stormwater Management Plan, annual reports, and news media events. The City plans to create additional information such as:
 - Additional fact sheets
 - A watershed map
 - Provide updates regarding Nampa’s stormwater interpretative signage project
- Install bilingual interpretive signage along Indian Creek that provides educational information about the watershed, stormwater-related issues, and how to reduce stormwater pollution
- The City will continue to work with the NSD to develop a program to educate K-12 students about how they can help reduce pollutants of concern
- Explore possible partnerships within the community to help promote a clean and healthy environment by reducing pollutants in the storm drains
- Continue to host a MS4 stakeholders 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 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 fourth annual Community Cleanup Day
- 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 or contact staff through the email inbox or Report a Spill webpage
- 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
- Develop a paid Spanish-language radio advertisement on Univision Television Group Inc. and KEWI AM 1450 Radio Station
- Host a PCSWMP workshop for the development community.

Proposed changes to the SWMP

N/A

Permit Obligation Met by Other Entities

The City 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. In an effort to utilize the excellent experience and expertise of the local teaching community, the City is proud and excited to form a partnership with the NSD 131 to assist in providing educational, communication, and outreach services for the City’s Stormwater Program. A Memorandum of Understanding (MOU) between the City and the NSD and a Scope of Work covering the agreed upon activities for the time period of June 1, 2012, to June 1, 2015, is included in Appendix G. Before the expiration of the MOU, both the City and NSD will evaluate the effectiveness of the partnership and discuss a renewal of the agreement. Stormwater Division staff will also work with the assistance of contracted consultants to develop and distribute stormwater and water quality educational materials to target audiences. As encouraged by the EPA, the City is working cooperatively with other MS4 operators in the Nampa Urbanized Area to coordinate efforts to provide a consistent stormwater message to the public.

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 implementing activities for its Hispanic Public Outreach Plan, which is an effort to educate Nampa’s Hispanic community about how to reduce stormwater pollution and encourage participation in stormwater-related events. Continued partnership with the NSD resulted in community participation in various stormwater-related events, including Nampa’s first Community Water Education Day and the edible aquifer at the Nampa’s Farmers Market. Other successful public involvement activities include a daytime summer camp for kids and communicating with pet owners at the Dog Park Food Truck Rally. A successful third annual Community Cleanup Day was hosted by the Stormwater Division. Participation in the Stormwater Advisory Group increased with the group providing input on the stormwater interpretative signage project. The Stormwater website has continued to be updated to notify the public of upcoming events and to provide an opportunity to input and/or report stormwater related concerns. All relevant SWMP documents and all annual reports are made available to the public on the Stormwater website, which is updated on a regular basis. City Council and other key decision makers were updated with pertinent information relevant to the stormwater program.

Evaluation of Compliance

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

- The City Stormwater Division Website is developed and up-to-date with relevant Nampa Stormwater program documents and reports.
- Stormwater Program Documents currently posted on the website include:
 - City of Nampa MS4 Permit
 - Stormwater Design Manual
 - 2010, 2011, and 2012 Annual Reports and supporting documents including:
 - Stormwater Management Plan
 - Stormwater Monitoring Plan
 - Quality Assurance Plan
- The 2013 Annual Report and supporting documents will be posted upon completion.

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

- The Stormwater Division held four meetings with a Stormwater Advisory Group to develop bilingual interpretive signage to be placed along Indian Creek. The advisory group was educated about stormwater-related issues and used their knowledge to develop signage that will help motivate behavior changes to reduce pollution.
- The City met with the following groups to discuss stormwater-related activities and to receive input regarding these activities:
 - NSD 131: Met regularly with the teachers who comprise the Stormwater Team of Teachers for the City/NSD partnership
 - Hispanic professionals in the Nampa community
 - Met with the Canyon County MS4 Stakeholder Group comprised of local Phase II MS4 permit holders on September 26, 2013
- Provided various opportunities for the general public to submit input to the Stormwater Division via phone message line, email inbox, and input at public events

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

- The Nampa City Council was presented a summary of the stormwater program activities on December 16, 2013.
- Updates on the Stormwater Program are provided as appropriate to the City Council in the Staff Reports provided by the Public Works Director at each council meeting.
- SWMP components were discussed in the Nampa Stormwater Advisory Group meetings throughout the year.

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

- Stormwater staff hosted the third annual Community Cleanup day on Saturday, September 28, 2013. The hours of the Cleanup Day were 9 a.m. to noon. Volunteers marked storm drains and picked up litter along Indian Creek.
- This event was promoted by a News Release, ads placed in two Nampa Recreation Center activity guides, and posters distributed at various public locations around town. The Stormwater Division website posted an announcement about the upcoming event and brochures were handed out at various public events.

- Most volunteers came from partner organizations and institutions in Nampa, including the NSD, Northwest Nazarene University, and Wal-Mart.
- Wal-Mart once again helped to sponsor the event by providing a group of volunteers and a volunteer appreciation lunch after the event. In addition, Wal-Mart provided a community grant of \$500 for the public education programs.
- The following reflect the accomplishments of a very successful Cleanup Day event:
 - 91 community members participated in the event
 - 167 storm drains marked with decals reminding people to “Dump no Waste, Drains to Stream”
 - 650 door hangers placed on nearby homes with tips on how to prevent stormwater pollution and information about the storm drain decals
 - 22 bags of garbage collected along with two shopping carts
 - Three visual water quality assessments were performed along Indian Creek
 - 91 drawstring sports packs with the stormwater logo containing stormwater information were distributed to the participants
 - During the volunteer appreciation lunch, 30 participants made their own edible aquifer
 - 100 percent of the volunteers returned safely
 - Recognition and appreciation also goes to the NSD for their efforts in promoting the event and recruiting students to participate in the Stormwater Cleanup

Results of Data Collected

N/A

Summary of Inspections and Enforcement

N/A

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
 - 2013 Annual Report and supporting documents and corresponding updates will also be posted upon submittal to the 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
 - Continue to meet with the Canyon County MS4 Stakeholder Group meeting throughout 2013
 - The City will meet with the NSD and Hispanic professionals in 2013 to receive guidance and input to assist in developing stormwater related activities
- Conduct meetings with City Council
 - Updates to City Council will continue with staff reports and workshops as appropriate
- Organize and promote Community Cleanup Day
 - Nampa’s 2014 Community Cleanup Day is tentatively scheduled to occur in September 2014

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 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. In an effort to utilize the excellent experience and expertise of the local teaching community, the City is proud and excited to form a partnership with the NSD 131 to assist in providing educational, communication, and outreach services for the City's Stormwater Program. A MOU between the City and the NSD and a Scope of Work covering the agreed upon activities for the time period of June 1, 2012, to June 1, 2015, is included in Appendix G. Before the expiration of the MOU, both the City and NSD will evaluate the effectiveness of the partnership and discuss a renewal of the agreement. 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 the EPA, the City 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.

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

General Summary

The City continued to implement a plan to detect and eliminate illicit discharges into the MS4. The *City of Nampa IDDE Plan* outlines the procedures to identify the problem areas in the community, determine the source of the problem, remove the source if identified, and document the actions taken. Implemented activities associated with the IDDE Plan include:

- Continue to update the comprehensive storm sewer system map
- Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste
- Continue dry weather screening of outfalls for dry weather flows
- Review and update the inventory of industrial facilities discharging stormwater to the MS4
- Continue to update the information management database system to track the activities and actions of the IDDE Program

The City currently prohibits illicit discharges in Title 8, Chapter 4 (Storm Drainage System) of Nampa City Code. Existing programs within the City currently address some of the issues associated with illegal discharge and connections. Stormwater staff worked diligently with these departments/divisions to consolidate these efforts and add the additional requirements set forth by Nampa's MS4 permit. Nampa's Stormwater staff provides educational materials relevant to the hazards associated with illegal dumping to target audiences in conjunction with Part II.B.1 requirements.

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 of 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 continually being updated with information collected from IDDE Program implementation and a copy is provided in digital format in Appendix G.

Evaluation of Compliance

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

The purpose of an IDDE program is to find, fix, and prevent illicit discharges to the city owned and operated MS4. The highest priority is to find any continuous and intermittent discharges to the storm drain system. In general, monitoring techniques are used to find problem areas and then trace the problem back upstream or pipe to identify the ultimate generating site or connection. The *City of Nampa IDDE Plan* outlines the procedures to identify the problem areas in the community, determine the source of the problem, remove the source if identified, and document the actions taken. The following activities associated with the IDDE requirements have been incorporated into the IDDE Plan. As typical with a new program, these activities are in various stages of implementation:

- IDDE Program Establishment
 - Compile all existing maps, pollutant concentrations, and additional information
 - Determine informed, responsible, Interdisciplinary IDDE Team
 - Develop implementation plan with measurable program goals
 - Begin to delineate the sub watersheds and develop screening factors
 - Establish definition of “illicit” for project area and locate potential illicit discharge sites
 - Public involvement and community awareness and education
 - Perform Outfall Reconnaissance Inventory
 - Identify, isolate, and eliminate illicit discharge sources
 - Integrate data into a master database
 - Implement investigation, corrections, enforcement, and ways for the public to report concerns
 - Analyze data, characterize discharges, and develop area-specific chemical library
 - Update goals and strategies
- Outfall Identification and Verification
 - Prioritization and schedule
 - Research and Field Preparation
 - Outfall selection
 - Weather check
 - Field supplies, attire, and equipment
 - Confined space equipment and training
 - Field Activities
 - Standard Operating Procedures
 - Access
 - Identification of New Outfall/Verification of Existing Outfall
 - Dry Weather Screening

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. This ordinance will be reviewed and update as appropriate as IDDE program implementation progresses.

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

The City is in the process of updating the comprehensive storm sewer system map of the stormwater drainage system. This includes all of 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. Ongoing outfall verification efforts are performed on an ongoing basis and the comprehensive storm sewer system map is being continuously updated with this information. 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 Years 1 and 2. As of October 31, 2013 a total of 1,696 outfalls have been inventoried. The process of field verifying the ownership and type of discharge from these outfalls is an ongoing effort to provide accurate and up to date information to the GIS staff. A map of the current outfall inventory and a table listing each outfall and associated data are provided in Appendix G in both hard copy and electronic format.

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)

IDDE Public Education and Participation Plan

Since public education and outreach and public participation and involvement are so closely tied together, the City has developed one plan to incorporate the MS4 permit requirements. The *City of Nampa Stormwater Division Public Education, Outreach, and Involvement Plan* developed August 2011 outlines the public education, outreach, and involvement activities that will help the City fulfill its MS4 permit requirements. The pollution prevention message targeting key behaviors overlaps with the desired objectives of the IDDE Program. Public education program fact sheets, materials, and distribution methods will support the success of the IDDE Program. The following activities will assist the IDDE Team to reach target audiences:

- Develop and distribute educational fact sheets and posters pertaining to illicit discharge
 - The City developed and distributed educational tip sheets and posters that focused on specific ways to keep the community and its water bodies healthy. These educational materials include:
 - Car Maintenance tip sheet (bilingual)
 - Report a Spill tip sheet (bilingual)
 - Household Hazardous Waste tip sheet (bilingual)
 - Two (2) IDDE tip sheets
 - Two (2) IDDE posters
 - September 11, 2013, through October 3, 2013, stormwater staff conducted six (6) IDDE training sessions with City employees on what constitutes an illicit discharge, how to spot and report a spill, and how to prevent illicit discharges in the work place. A total of 106 public employees from departments or division that have the potential to encounter illicit discharges or spills were provided educational materials and each division was given a spill kit to place in a City vehicle.

- Stormwater staff hosted the third annual Community Cleanup day on Saturday, September 28, 2013. The hours of the Cleanup Day were 9 a.m. to noon. Volunteers marked storm drains and picked up litter along Indian Creek. The focus of this event was to educate the public about stormwater pollution and encourage involvement in stormwater-related activities. Six hundred and fifty door hangers placed on nearby homes with tips on how to prevent stormwater pollution and information about the storm drain decals.
- On October 9, 2013, Stormwater staff hosted an informational booth at the City of Nampa Employee Wellness Fair. The focus of the information distributed to full and part-time employees and their families surrounded the idea of a clean and healthy environment by keeping pollutants out of the storm drains and local water bodies. Approximately 215 employees and spouses attended this event. The following is a list of the materials provided at this event:
 - Giveaways including lunch bags and desktop sprout growing boxes with the stormwater logo
 - 200 copies of an IDDE fact sheet
 - 200 copies of a Report a Spill fact sheet
 - 100 copies of word games associated with general stormwater information
 - 200 copies of a bilingual Car Maintenance tip sheet
 - 200 copies of a bilingual Stormwater Program fact sheet
- Implement storm drain stenciling efforts in conjunction with the Stormwater Community Cleanup Day and offer as an activity for groups such as Boy Scouts and church groups
 - Third annual Stormwater Community Cleanup Day held September 28, 2013
 - Eagle Scout project planning occurred April 2013 and implemented May 2013
- The City hosted a Special Curbside Service & Free Dump Day in April 2013
- Provide educational materials in Spanish in an effort to reach all members of the community
 - An IDDE Report a Spill fact sheet was published in Spanish in the Idaho Hispano January 2013
- Create a Report a Spill page on the Stormwater website to allow community members to report observed spills in their neighborhood
 - Continue to monitor the Report a Spill webpage created in September of 2012 and implemented in October of 2012.
- Implement a phone message line and a stormwater email address where the public can comment and provide input regarding the IDDE Program
 - A dedicated Stormwater phone message line was established in 2010 and continues to be a valuable tool to receive comments and input regarding the IDDE program.
- Form community partners to assist in distributing education materials and recruiting participants for IDDE community events
 - Community partners to date include:
 - NSD
 - Northwest Nazarene University
 - Hispanic professionals
 - Wal-Mart
- Provide appropriate educational training for public employees, businesses, and the general public about the hazards associated with illegal discharges and the improper disposal of wastes
 - IDDE fact sheets have been distributed at the following events:

- IDDE trainings provided to city employees
 - Training session provided to City of Nampa Municipal Airport tenants regarding spill prevention and control
 - Airport newsletter providing guidance on preventing oil leaks
 - Stormwater Community Cleanup Day
 - City of Nampa Employee Wellness Fair
 - Provided on the City Stormwater website
- A total of 32 pet pick up stations are provided at 21 city properties, including parks and greenbelt pathway areas

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

During the first two years of the MS4 permit, outfall identification and verification efforts were initiated. A total of 1,696 outfalls were documented with detailed information associated with each outfall. Of this total, 1,275 are assumed to be City owned and operated due to the historical size requirement of 6 inches or larger for stormwater infrastructure. Screening 20 percent of the 1,275 outfalls would require the City to screen 255 outfalls for dry weather flows by the end of the first permit cycle. Verification efforts to determine ownership is currently ongoing to establish the number of outfalls to screen. Information from this activity provided a baseline of data to begin detailed screenings to detect non-stormwater flows from stormwater outfalls. Stormwater staff began dry weather screening activities during the summer of 2012 and completed 100 of the 255 estimated outfalls to screen. In 2013 Stormwater staff screened 60 outfalls and plan to screen the remaining 95 during year five of the permit. Stormwater staff will continue owner verification and dry weather screening activities. Dry weather screening procedures can be found in the *City of Nampa Illicit Discharge Detection and Elimination Plan* provided in Appendix K.

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

The City NPDES Phase II permit requires the City to “inventory all industrial facilities in their jurisdiction that discharge runoff to the MS4 or directly to the waters of the United States.” The inventory is required to include those facilities listed in 40 CFR § 122.26 (b)(14). This list categorizes industrial facilities by Standard Industrial Classification (SIC) codes. The inventory also includes the facility name, facility location, outfall location, and NPDES permit status. The 2013 update to the Industrial Facilities Inventory report is provided in Appendix J.

Results of Data Collected

- City Stormwater staff have responded to 78 stormwater complaints from October 15, 2012, through October 14, 2013.
- City Streets staff responded to 189 stormwater-related incidents called into the Street Division.
- An extensive inventory of outfalls located on Indian Creek, Mason Creek, Wilson Drain, and associated tributaries have revealed a significant number of discharge points along these receiving waters. As of October 31, 2013, a total of 1,696 outfalls have been inventoried.
- Dry weather screening activities resulted in 60 city-owned outfalls to be screened for potential illicit discharges. Total to date is 160 screened with 95 remaining to screening by expiration of permit on October 14, 2014.
- In year four, the City continued to update the industrial inventory.

Summary of Inspections and Enforcement

During year four of Nampa's MS4 permit, Stormwater staff performed 78 site inspections and Street staff performed 189 site inspections as a result of stormwater-related complaints. No formal enforcement actions were performed. Educational materials were handed out relevant to the nature of the discharge.

Summary of Upcoming Activities

- Continue to update the comprehensive storm sewer system map with updated information from field verification activities
- Continue to inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste
- Continue to conduct training for city employees on recognizing illicit discharges and the proper response procedures
- Continue activities associated with dry weather screening of outfalls for dry weather flows
- Update the Industrial Facilities Inventory report as appropriate
- Continue to update the IDDE information management database system that tracks the activities and actions of the IDDE Program
- Continue to respond to citizen reports of stormwater related spills and concerns

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 Stormwater Division under the direction of the Department of Public Works is responsible for the implementation of the requirements set forth in the IDDE 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 the EPA, the City 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

A majority of the Construction Site Stormwater Runoff Control program components were developed and implemented at program start up in 2005. Title 9 Chapter 6 of Nampa municipal code (Erosion and Sediment Control/Grading) was adopted March 7, 2005. The purpose of this ordinance "is to safeguard persons, protect property, prevent damage to the environment, and promote the public welfare by guiding, regulating, and controlling 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." This ordinance allowed the City to implement and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities through plan review, site inspection and the distribution of educational materials. Additional program components included since program startup 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 for sites disturbing one or more acres of land: review and update the program as necessary (Permit Part II.B.4.a)

The City must implement and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities resulting in land disturbance of greater than or equal to one acre. This program must also include controls for pollutants in such stormwater discharges from activity disturbing less than one acre, if that construction activity is part of a larger common plan of development or sale that disturbs one acre or more.

A majority of the Construction Site Stormwater Runoff Control program components were developed and implemented at program start up in 2005. Title 9 Chapter 6 of Nampa municipal code (Erosion and Sediment Control/Grading) was adopted March 7, 2005. This ordinance allowed the City to implement and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities through plan review, site inspection, and the distribution of educational materials. 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 BMPs
- 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. Stormwater staff will perform an annual review of the program activities and make appropriate changes as necessary.

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 the EPA's CGP in various methods. Information regarding the EPA's CGP Stormwater Pollution Prevention Plan (SWPPP) requirements is presented in the following ways:

- The City provides adequate direction to project proponents regarding the EPA Construction General Permit on an ongoing basis.
 - Materials provided by the following methods:
 - Conceptual Plan Review Meetings: Intended to provide general guidance concerning Stormwater pollution prevention to prospective projects applicants

- Pre-Bid Meetings: Intended to provide project specific stormwater pollution prevention information to all project applicants
- Pre-Construction Meetings: Formalizing a development agreement covering the entire scope of the project, including stormwater pollution prevention BMPs
- Available as a flyer for reference
- Available on the Construction Site webpage on the Stormwater 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. This ordinance allowed the City to implement and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities through plan review, site inspection, and the distribution of educational materials. The following is a summary of the contents of the ESC ordinance:

- Section 9-6-1: Purpose and Intent
- Section 9-6-2: Applicability
- Section 9-6-3: Definitions
- Section 9-6-4: Permits
- Section 9-6-4-1: Permits Required
- Section 9-6-4-2: Fees Required
- Section 9-6-4-3: Fees
- Section 9-6-4-4: Fee Refund
- Section 9-6-4-5: Failure To Correct Violation; Permit Revocation
- Section 9-6-4-6: Expiration Of Permit By Limitation
- Section 9-6-4-7: Permits Denied
- Section 9-6-4-8: Additional Causes For Permit Revocation
- Section 9-6-4-9: Inspection Of Work
- Section 9-6-5: Erosion And Sediment Control Plan
- Section 9-6-6: General Requirements And Prohibitions
- Section 9-6-7: Inspections
- Section 9-6-8: Enforcement
- Section 9-6-9: Severability
- Section 9-6-10: Effective Date of Chapter

This ordinance shall be reviewed as the Construction Site Runoff Program progresses and updates will be made as appropriate. 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. Stormwater staff has published and distributed written requirements for construction site BMPs to target audiences.

- Materials associated with written requirements for construction site BMPs are distributed in a variety of ways to various target audiences on an ongoing basis. Materials distributed by the following methods:
 - ESC Permit Application Packets available online and over the counter
 - Provided with approved ESC permit sign and associated documents
 - Available at an information kiosk at City Hall
 - Verbal direction is provided to the IDEQ Catalog of Stormwater Best Management Practices for Idaho Cities and Counties upon request or as applicable. A link to this catalog is provided on the ESC webpage on the Stormwater Division website.
 - Distribute ESC educational materials in conjunction with construction site inspections

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

Currently, all commercial pre-construction site plans for construction projects within the Nampa city limits disturbing more than two 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 commercial pre-construction site plans for potential water quality impacts will be reviewed and updated as appropriate to ensure compliance with the MS4 permit.

Procedures for Reviewing Site Plans

An approved ESC Permit is required for any land disturbing activity where two or more cubic yards of soil are to be disturbed. Stormwater staff will review all commercial site development ESC permit applications with associated SWPPP or Erosion Control Plan (ECP) within ten working days of receipt for conformance with the provisions of Title 9 Chapter 6. Use of the Construction Site Discharge Control Program checklist will ensure consistency when reviewing plans to identify SWPPP or ECP deficiencies. Residential ESC Permits are currently issued by the Building Department staff and are not reviewed prior to issuance. Typically, these permits are less than one acre in size and are transferred to the Stormwater Division for review if the size exceeds the less than one acre permit application requirement for residential projects.

For site developments where land disturbing activity is one acre or more, a SWPPP is required and will be reviewed for the following:

- Contact Information/Responsible Parties
- Site Evaluation, Assessment, and Planning
- Documentation of Compliance with Other Federal Requirements
- ESC
- Pollution Prevention Standards
- Inspection and Corrective Action
- Training
- Certification and Notification
- The SWPPP must be prepared by a Certified Plan Designer, licensed architect, or P.E.

For commercial site developments where land disturbing activity is less than one acre in size, an ECP is required and will be reviewed for the following:

- Contact Information/Responsible Parties
- Site Evaluation, Assessment, and Planning
- Evaluation of Compliance with Local Requirements
- ESC
- Pollution Prevention Standards
- Inspection and Corrective Action
- Training
- Certification and Notification
- The Preparation of the ECP By a Certified Plan Designer, Licensed Architect or Professional Engineer (P.E.) is preferred but not required

The following is a summary of the Plan Review activities performed in conjunction with the Construction Site Stormwater Runoff program:

- In year four, 178 commercial plans were reviewed for Erosion and Sediments Control requirements
- In year four, 549 Erosion and Sediment Control Permits were issued
 - 346 Residential (all less than one acre in size)
 - 178 Commercial
 - 154 less than one acre in size
 - 24 greater than or equal to one acre in size

Accepting Public Input

The City encourages and welcomes input from the public on all aspects regarding the SWMP. Public input regarding potential construction projects and complaints associated with existing construction projects can be provided in several ways:

- Stormwater staff receives verbal input over the phone
- Receive verbal input from messages left on the dedicated Stormwater phone message line
- Receive written input submitted to the Stormwater email inbox
- An Erosion and Sediment Control input/comment form is available on the Stormwater website. Template can be found in appendix G.

Public input regarding potential construction projects will be taken into consideration during the plan review process. Public input regarding complaints about existing construction projects are investigated in prompt and timely manner. 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.

- Ensure all permittee-owned construction projects comply with the EPA's CGP
 - In year four, two major City construction projects were completed
- 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 periodically review and update ESC site inspection and enforcement procedures to ensure permit compliance. The following represents year four actions of the construction site inspection activities:

- Implement site inspection and enforcement procedures
 - In year four, 268 site inspections were performed
 - 189 Residential (All less than one acre in size)
 - 79 Commercial (Seven greater than five acres in size)
 - In year four, two enforcement actions were performed

The Stormwater staff utilizes construction site inspections for the distribution of educational materials and will work with the responsible parties to resolve the ESC issue before moving forward with formal enforcement actions. Formal enforcement actions implemented in conjunction with the Construction Site Runoff program are found in Title 9 Chapter 6: Erosion and Sediment Control/Grading of Nampa City code.

Inspect all construction sites five acres or more at least once per construction season. Formal inspection of all active construction sites five acres or more has been incorporated into the ESC inspection program. These construction sites are inspected once per construction season for appropriate erosion/sediment/waste control practices. The following represents the year four inspection activities accomplished on construction sites five acres or greater:

- ESC staff performed formal inspections on seven construction sites five acres or greater in size.

Develop a written policy identifying how construction sites disturbing less than five 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 has provided the basis to prioritize construction projects disturbing less than five acres for site inspections. Additional factors considered for prioritization include soil type, grade, and location of drainage conveyance in the vicinity of the project and trends of illicit discharge in the area. A written policy for identifying how construction sites disturbing less than five acres will be prioritized for inspection is provided in appendix G. The following is a summary of the prioritization criteria for inspecting construction sites less than five acres in size:

Prioritization Criteria

Construction projects less than five acres in size and issued an approved City of Nampa Erosion and Sediment Control permit will be inspected based on the following prioritization criteria including but not limited to:

- Construction sites that present the potential to impact public health and safety
- Construction sites that generate citizen complaints or receive concerns provided by public input
- Construction sites that are within fifty feet of water bodies
- Construction site that contain or are adjacent to environmentally sensitive areas such as wetlands or impaired water bodies
- Construction sites that exceed ten percent in grade
- Regularly scheduled site inspections to evaluate ESC permit compliance

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

All public construction projects within the City 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

N/A

Summary of Inspections and Enforcement

Nampa's ESC 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:

- Implement site inspection and enforcement procedures
 - In year four, 268 site inspections were performed
 - 189 Residential (all less than one acre in size)
 - 79 Commercial (seven greater than five acres in size)
 - In year four, two enforcement action was performed

ESC staff issued two NOVs to contractors lacking adequate ESC BMPs. No fines were levied in conjunction with any of these enforcement actions. Educational materials were provided to recipients of the NOV and additional assistance was provided if requested.

Summary of Upcoming Activities

A review and update process will be performed on the Construction Site Stormwater Runoff Program 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. The following represent some of the upcoming activities in the Construction Site Stormwater Runoff Program:

- An update of the Erosion and Sediment Control webpage on the Stormwater Division website will be performed. This webpage is available on the Stormwater Division website and contains the following information:
 - General information about the Construction Site Runoff Program
 - Information about Nampa's Construction Site Runoff Program
 - Link to ESC/Grading ordinance
 - Permit resources for construction sites over two cubic yards, but under one acre
 - Application for ESC Permit
 - ESC submittal requirements
 - Nampa's Site Specific Construction Plan requirements
 - Permit resources for construction sites one acre or larger
 - Application for ESC permit
 - Link to the EPA's Construction General Permit
 - Link to the EPA's Stormwater Pollution Prevention Plans

- Link to the EPA's Educational Materials
- Information on BMPs
 - City of Nampa
 - Link to Nampa's Commercial BMPs
 - Link to Nampa's Residential Home Builders BMPs
 - Link to IDEQ Catalog of Stormwater BMPs for Idaho Cities and Counties
- Link to upcoming activities associated with the Construction Site Runoff Program
- Link to submit a comment page which includes complaints regarding existing projects or comments regarding potential new construction projects.

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 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 ESC 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 the EPA, the City 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)

Year four of the City's MS4 Stormwater Permit ranged from October 15, 2012, through October 14, 2013. Per the permit, year four requirements were focused on the continuation of the first four minimum measures: public education/public outreach, public involvement/public participation, illicit discharge detection and elimination, and construction site stormwater runoff. Post-Construction Stormwater Management and Pollution Prevention/Good Housekeeping Programs were developed and implementation began. In addition, the City continued implementation of monitoring requirements identified in the permit's general requirements section. Finally, the City spent significant time and effort in the continued implementation of the Hispanic Outreach Program and the partnership with the Nampa School District. 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.

Post-Construction Stormwater Management in New Development and Redevelopment

- A Post-Construction Stormwater Management Plan has been developed that outlines the program's requirements, outlines post-construction stormwater ordinances to be developed, and provides a framework for implementation of the program

- Existing City ordinances are being updated to reflect post-construction stormwater management
- A maintenance agreement process will be set up prior to any project approval that outlines operation and maintenance of a site
- As part of the pre-construction site plan review process, pre-submittal meetings will be held to ensure that site design and stormwater management practices are followed to the maximum extent practicable
- An inspection program will be implemented within existing City stormwater ordinances to inspect the long-term operation and maintenance of stormwater best management practices (BMPs)
- Existing community education programs will be expanded to include post-construction stormwater BMP design, operation, and maintenance

General Summary

The City has been building upon its existing Post-Construction Stormwater Management Program and has actively incorporated year four permit requirements into the stormwater program. The most notable program component is the Post-Construction Stormwater Management Plan, which provides a framework for post-construction program implementation. The Post-Construction Stormwater Management Plan is included as Appendix L of this document.

Currently, the City conducts plan reviews and post-construction inspections by City staff based on existing City post-construction requirements. The City has many post-construction stormwater components built into existing City ordinances; however, the City is actively working on developing a new Post-Construction Stormwater Ordinance that will specifically address post-construction runoff from new development and redevelopment projects. As per the Post-Construction Stormwater Management Plan, the pre-construction plan review and approval process incorporates post-construction stormwater BMPs and operation and maintenance components. In addition, a maintenance agreement will enable the City to formalize a process between the City and owner/operator regarding long-term responsibility for stormwater maintenance and operation.

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)

In compliance with the NPDES MS4 Permit requirements, the City is required to implement and enforce a program to address post-construction stormwater runoff from new development and redevelopment projects. To meet the post-construction stormwater requirements, the City of Nampa Post-Construction Stormwater Management Plan has been developed to provide the City with a framework to develop, support, and implement the program. This plan outlines specific goals for the program, in addition to the BMPs that will be developed, implemented, and enforced. The plan specifically addresses the following components:

1. Purpose of the Post-Construction Stormwater Plan
2. Existing and new regulations/ordinances
3. Long-term operation and maintenance of controls
4. Pre-construction plan review and approval of stormwater BMPs
5. Post-construction stormwater education programs

To ensure that controls are enacted that will prevent or minimize water quality impacts; various departments/divisions within the City 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.

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 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)

Current stormwater ordinances are outlined in the City Code Title 8 (Chapter 4) and Title 10 (Chapter 27). Nampa's post-construction stormwater management requirements for new subdivision developments 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. Developed in 2005 and updated in 2010, the Engineering Development Process and Policy Manual includes a Stormwater Policy Manual that addresses drainage and stormwater management requirements. Copies of these policies have been provided in Appendix G of this Annual Report.

In addition, the City developed and references the document titled, Standard Construction Specification Manual. A new ordinance will be developed that specifically addresses new and separate construction permitting programs and post-construction requirements by the end of Permit Year 5. This ordinance will require developers to follow a specified plan for post-construction BMPs and will also outline the City's involvement in pre-planning, planning, construction, and post-construction phases of development.

The new post-construction stormwater ordinance will include policies to encourage infiltration development, defined operation and maintenance policy, performance criteria, maintenance agreements, and enforcement penalties.

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 City's Engineering Development Process and Policy Manual outlines ownership intent for stormwater collection, conveyance, treatment, and disposal systems in Section 106.103.1.1. This paragraph states that these systems must meet City standards and be turned over to the City for continuous operation and maintenance. 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. A maintenance agreement will be set up prior to any project approval. The maintenance agreement will outline proof of responsibility, maintenance required for each control, maintenance schedule, a description of inspection methods, penalties for failure of agreement, and legal provision to carry out the agreement.

In order to ensure long term operation and maintenance of City owned post-construction stormwater BMPs, the Department of Public Works developed an Asset Management Plan. The plan was developed

to adequately evaluate, repair, maintain, and replace the infrastructure system within the City. 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 stormwater management controls (II.B.5.d)

As part of the permitting process, pre-construction site plan review is an integral process within the City's site plan review and approval process. The City will use pre-construction plan reviews as an opportunity to review the developer's plans for permanent stormwater controls alongside the rest of the construction and development design. The City will review elements of the project plan including preconstruction hydrologic analysis at the site. In addition, the City will review the developer's plans for proper selection of BMPs and placement of permanent stormwater controls; these components will be further addressed through long-term maintenance responsibility agreements.

As part of the pre-construction site plan review process, a pre-submittal meeting will be offered for projects that disturb areas greater than or equal to one acre, as described in Section 1.2 under the post-construction ordinance enacted by the City. These meetings provide an opportunity for the City to engage the developer regarding site design options and requirements to better address stormwater control issues and post-construction stormwater management.

The City currently holds pre-application meetings with potential developers and engineers. The City discusses the projects and provides insight to a streamlined approach on achieving approved plans and BMPs and design criteria that should be included in the plans. Again, the City will integrate post-construction stormwater program pre-submittal requirements into this existing process.

The Post-Construction Stormwater Management Plan addressed the pre-submittal meeting components:

- Timeline for scheduling/conducting pre-submittal meeting and integrating this new process into the existing conceptual plan review process
- Details/plans the developer should have for the meeting
- Meeting procedures
- Approval and resubmittal procedures

In addition, the following items will be reviewed at all pre-construction plan reviews:

- 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 developments reflect a combination of maintenance activities: Homeowner's Associations or similar entities are responsible for ensuring that light maintenance, such as mowing grass and cleaning up floatable debris, are performed as needed. The City performs the heavy maintenance such as repairing BMPs and cleaning activities for BMPS, including catch basins and sand and grease traps.

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

- Comprehensive plan review on potential projects to facilitate requirements the project proponent needs to comply with for a successful project. Members from various departments/divisions 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

Pre-construction plan review will include establishing a schedule for the City to inspect stormwater controls during installation. Inspections will evaluate the adequacy of existing controls, and as construction of controls are completed, inspections will ensure proper installation and operation of each control. Inspection frequency will vary based on the construction schedule and the nature of controls at the site.

The post-construction ordinance will address BMP inspection, maintenance, and enforcement. In addition, existing policies, such as the Engineering Development Process and Policy Manual, will be updated to outline post-construction stormwater inspection agreements between the City and contractor/engineer and owner.

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

The City currently has programs in place to address and educate the public regarding stormwater. These programs include the City's stormwater website and a City River Clean-Up Day devoted to cleaning up the river by City staff and volunteers. The Nampa Stormwater Advisory Group has also begun to address post-construction requirements. There have been a limited number of programs that specifically address post-construction stormwater management. An education workshop for post-construction stormwater management was held in Permit Year 4 for engineers, developers, and/or contractors. Two additional workshops are planned for year five of the Permit.

To address post-construction stormwater management education efforts, the Post-Construction Stormwater Management Program will use various mediums to educate the development community about appropriate stormwater design, operation and maintenance, and standard practices:

- A Post-Construction Stormwater Program fact sheet will be developed in Permit Year 5
 - Fact sheet will be included in contractor informational packets and in a mass mailed distribution to a targeted audience
- Post-Construction Stormwater Management Program workshops for contractors and engineers will be held on an annual basis (two to be held during year five)
- Post-construction information and requirements will be posted on the City's stormwater website

Educational materials, such as the fact sheet, will include outreach programs and information sessions addressing:

- Site design
- LID
- Operation and maintenance of stormwater retention facilities
- Vegetative practices
- Hydrologic analysis of undeveloped sites

- Designing to accommodate natural hydrology

Results of Data Collected

Each year, the Engineering Division compiles a Public Works Master Project Schedule that incorporates all potential construction-related projects for the Department of Public Works. This allows the various divisions within Public Works to coordinate construction efforts. As a result, Stormwater was able to incorporate stormwater-related improvements into six (6) city construction projects. The following list represents the stormwater-related improvements made during the last permit year:

- LID 153
 - Repaired or installed four new catch basins
- CDBG Pedestrian Ramp
 - Repaired two catch basins and storm drain pipe
- 11th Ave Rebuild
 - Repaired storm drain lateral and manhole
- Star/Franklin Roundabout
 - Installed four stormwater infiltration beds with sand/grease trap
- Franklin Road
 - Installed approximately 2,000 feet of grassy infiltration swales
- Roosevelt Elijah Culvert
 - Repaired two storm drain pipes and added manholes at bends in the pipe for maintenance

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 components already initiated include ordinance and policies, plan review, preventative maintenance activities, initial inspection procedures, and education initiatives. Additional program components will be implemented by Stormwater staff prior to the required compliance dates. The following Post-Construction Stormwater Management in New Development and Redevelopment activities will be implemented in Permit Year 5:

- Implement and enforce a the Post-Construction Stormwater Management Plan to address post-construction stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one (1) acre and that result in discharge into the MS4
- Review and update the ordinance regulating post-construction runoff from new development and redevelopment projects
- Incorporate procedures to ensure proper long-term operation and maintenance of all permanent stormwater management controls for newly developed project areas greater than or equal to one (1) acre discharging to the MS4
- Update the pre-construction plan review process for permanent stormwater BMPs
- Expand inspection program to ensure proper installation and appropriate long-term operation and maintenance of permanent stormwater BMPs

- Expand educational activities focused on the development community regarding appropriate design, operation, and maintenance of stormwater retention facilities and vegetative practices to address post-construction stormwater runoff from new development and redevelopment projects in the City.

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 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 the EPA, the City 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

Pollution Prevention and Good Housekeeping for Municipal Operations requirements fall in year four of the MS4 permit. However, the City has been active in pollution prevention activities prior to permit requirements. 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. The Pollution Prevention and Good Housekeeping for Municipal Operations Plan is included as Appendix M of this document.

Evaluation of Compliance

Historically, the City has implemented several of the requirements associated with a municipal pollution prevention and good housekeeping program on an ongoing basis. These activities provided the baseline to develop the Pollution Prevention and Good Housekeeping for Municipal Operations 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 developed and began implementing an operations and maintenance program intended to prevent or reduce pollutant from municipal operations. This program was developed in conjunction with applicable City departments and divisions and will be evaluated on an ongoing as-needed basis. See Appendix M for a copy of the Pollution Prevention and Good Housekeeping for Municipal Operations Plan.

In year four, the City developed the Pollution Prevention and Good Housekeeping for Municipal Operations Program. This program establishes measurable goals, defines potential pollutants, and provides guidance on performing specific municipal activities to reduce pollutant runoff to the storm drain system. The Pollution Prevention and Good Housekeeping Program includes the following activities:

- Operations and Maintenance Activities
 - Municipal Landscaping
 - Municipal Vehicle Fueling
 - Municipal Vehicle and Equipment Maintenance
 - Municipal Vehicle and Equipment Washing
 - Parking Lot and Street Cleaning
 - Application of Sand and Road Deicers
 - Roadway Maintenance
 - Storm Drain System Cleaning
 - Hazardous Materials Storage
 - Municipal Facilities Management
 - Municipal New Construction and Land Disturbances
 - Snow Disposal Site Operations and Maintenance
 - Water Treatment Plant Operations
 - Solid Waste Transfer Activities
- Municipal Employee Training
- Stormwater Pollution Prevention Plans
 - SWPPP developed for Street/Fleet Maintenance and Water Divisions
 - Spill Plan for Street/Fleet Maintenance Divisions
 - Snow Disposal Plan
 - Fire Department Best Management Practice for Operations and Maintenance Procedures
- Recordkeeping

The following table represents a summary of the maintenance activities performed by the Street Division from October 2012 – October 2013.

Nampa Street Division Stormwater Maintenance Summary October 2012 – October 2013					
Date	Storm Drains	Catch Basins	Sand & Grease Traps	Line Feet Cleaned/Shot	Gallons Debris/Water
October 2012	5	523	118	120	119,922
November 2012		31	20	1,589	9,500
December 2012	7	67	93	10,368	105,600
January 2013		21			16,500
February 2013	4	4	113	6,545	34,430
March 2013			30		18,000
April 2013					
May 2013		49	4	432	8,500
June 2013		48	13	37,200	36,550
July 2013					
August 2013					
September 2013	2	160	75	12,219	131,400
October 2013					
Totals	18	903	466	68,473	480,402

The following table provides a summary of Street Division activities for FY13.

Nampa Street Division Activities October 2012 – October 2013		
Activity	Type	Measurement
Drains, Basins, S&G	Man Hours	3,503 Hours
	OT	75.5 Hours
	Liquids/Solid Debris	480,402 Gallons
Sweeping	Man Hours	5,245.5 Hours
	OT	38 Hours
Alleys/Shoulders	Man Hours	449.5 Hours
	OT	
Snow Removal	Man Hours	932.7 Hours
	OT	363.25 Hours
	Mag-Chloride	48,325 Gallons
	Salt 50 lb Bag	250 Lbs
	Sand	2,584 Yards
Training	Man Hours	560 Hours

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

In year four, the City accomplished the following municipal training program activities.

Illicit Discharge Detection and Elimination/Pollution Prevention Training Conducted in FY13

City employees play a key role in finding and preventing non-stormwater sources from getting into storm drains. To encourage the detection and elimination of illicit discharges, trainings were provided to 106 City employees in September and October of 2013. Due to the nature of their work, Public Works employees were the target audience for the first year of IDDE/Pollution Prevention training.

The purpose of the training was to define IDDE, explain how illicit discharges affect water quality, identify how to detect an illicit discharge, and outline steps to take after identifying an illicit discharge. Since pollution prevention and good housekeeping practices are closely tied to IDDE topics, a discussion regarding site specific municipal operations was included in this training. Many of the issues/concerns discussed were included in the Pollution Prevention and Good Housekeeping for Municipal Operations Plan.

Training Format

Trainings lasted one hour and were conducted at the location where the municipal activities were performed. Participants received a packet with an agenda, comment sheet, and quiz. A short video (15 minutes) was shown providing visual examples along with educational information. Participants were also provided with pens showcasing the City Stormwater logo and each division received a spill kit to place in one of their work vehicles. After most training sessions, an informal tour of the workplace was performed to discuss training topics and corresponding environment.

Results

One hundred and six City employees learned about IDDE/Pollution Prevention. The average quiz score for these employees was 93.5 percent, indicating that they had learned basic IDDE and pollution prevention concepts.

Trainings Conducted

Division	Date	Participants	Average Test Score
Fleet Services	September 9, 2013	8 participants	Avg. test score: 89.75%
Engineering	September 12, 2013	16 participants	Avg. test score: 98.7%
Wastewater	September 12, 2013	26 participants	Avg. test score: 94.7%
Waterworks	September 17, 2013	24 participants	Avg. test score: 92.5%
Streets	September 25, 2013	22 participants	Avg. test score: 93.7%
Facilities	October 3, 2013	10 participants	Avg. test score: 91.6%

Street Division Training Conducted in FY13

Street Division Training Conducted in FY13 October 2012 – October 2013			
Types of Training	Attendee	Date	Location
CPR, 1 st Aid and AED	Dan Myer Robert Newman Stancy Fleenor Larry Hoobery Tylee Lanham	October 4, 2012	FTC
Idaho Asphalt Conference	Don Barr Tom Hinkle	October 24-26, 2012	Moscow
Traffic Control Technician	Larry Hoobery Dustin Gillmore Tylee Lanham Lucio Rodriguez Steve Monterroso	October 29, 2012 May 7, 2013 August 6, 2013	Boise Boise Boise
Flagger Certification	Tylee Lanham Junior Siciliano Jeff Azevedo Mike Sparks Ken Nutt Larry Hoobery Don Barr Mark Hadley Tammy Garcia Les Gibbens Doug Eakin Todd Burns Shawn Fournier Matt Stanley Tom Hinkle Jeff Keeney Scott Hensley Lucio Rodriguez Curt Hensley Trevor Arehart Robert Newman	October 30, 2012 November 13, 2012 March 4, 2013 September 21, 2013	Boise Emmett Nampa Nampa
ISMA	Ken Nutt Larry Hoobery Justin Attaway Dan Myers Stancy Fleenor	November 5-7, 2012	Nampa
Roundabouts	Tom Hinkle Mark Hadley Dustin Gillmore	November 6, 2012	Garden City
U of I Canyon County Ext.	Matt Stanley	December 12, 2012	Caldwell

Street Division Training Conducted in FY13 October 2012 – October 2013			
Types of Training	Attendee	Date	Location
Safety Fest			
Heavy Equip Safety Operation	Tylee Lanham Doug Eakin	January 22, 2013	Boise
Snow Plow Simulator	Doug Eakin Junior Siciliano Jeff Azevedo	January 24, 2013	Boise
Forklift Operator Training	Junior Siciliano	January 24, 2013	Boise
Rigging Application/Inspection	Stancy Fleenor Dan Myer	January 24, 2013	Boise
Job Hazard Analysis	Stancy Fleenor Dan Myer Mike Sparks Jeff Azevedo	January 23, 2013	Boise
DOT Load Securement	Mike Sparks Jeff Azevedo	January 23, 2013	Boise
Confined Space Entry	Matt Stanley Shawn Fournier	January 23-25, 2013	Boise
Excavation, Trenching, and Soil	Tylee Lanham Dustin Gillmore	January 23, 2013	Boise
Opening Ceremony Violence in the Work Place & Landing Zone	Mark Hadley Tom Hinkle Shawn Fournier Matt Stanley Curt Hensley Ken Nutt	January 22, 2013	Boise
Natural Hazards and Disasters	Mark Hadley Tom Hinkle Ken Nutt	January 22, 2013	Boise
FMCSA/DOT Reasonable Suspicion	Don Barr Ken Nutt	January 22, 2013	Boise
Skin Cancer Screening	Don Barr	January 22, 2013	Boise
Master Instructor	Curt Hensley	January 22, 2013	Boise
IDDE/Pollution Prevention	All Street Staff	September 25, 2013	Nampa

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

A thorough evaluation was conducted at the Vehicle Maintenance/Streets, and Waterworks Divisions. SWPPPs were developed for these locations based on the findings at each facility. These documents will be reviewed and updated on an annual or as-needed basis. See Appendix G for a copy of the SWPPP Plans.

An evaluation of the Wastewater Treatment Plant indicated that all of the runoff from this facility is designed to be retained on site and is directed into the treatment plant's process system and treated under the conditions set forth in their NPDES Wastewater Discharge Permit # 002206-3. All storm drains and catch basins located on site return runoff rain water and/or wash down water are conveyed to the treatment plant's process system. All perimeter areas of the plant are bermed, curbed, or sloped to prevent any surface water from leaving the facility. All chemicals on site are stored in containers with secondary containment in the event of a spill. Based on the design of the facility the potential to discharge off site is minimal in the current state. If future evaluations of the Wastewater Treatment Plant indicate a change in any of these conditions, a SWPPP will be developed.

Results of Data Collected

See previous sections for formal data regarding the pollution prevention and good housekeeping program activities. The following represents the Stormwater Asset Inventory for the City:

- 370.31 miles of roadway
- 102.8 miles of storm drain pipe
- 432 drainfields (underground)
- 291 detention ponds (above ground)
- 31 other ponds (type unknown)
- 4,309 catch basins
- 2,087 manholes
- 1,132 sand & grease traps
- 221 culverts
- 1,696 inventoried outfalls (1275 are 6 inches or larger)

Summary of Inspections and Enforcement

Informal inspections were performed as necessary on an as-needed basis for 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 activities developed and implemented in year four summarizes existing operations and develop the groundwork for improvements to the program. 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 following Pollution Prevention and Good Housekeeping activities will be implemented in Permit Year Five:

- Continue implementation of the operation and maintenance program intended to prevent or reduce pollutant runoff from municipal operations
- Continue to conduct appropriate training for municipal employees related to BMPs for protection of water quality
- Prepare and implement stormwater pollution prevention plans for Vehicle Maintenance, Street Division, and Wastewater Treatment Plant

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 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 the EPA, the City 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. Minor revisions were completed on the documents during year four. 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 reviewed and minor changes were made in January of 2013 and are included in Appendix E.

The permittee must conduct a stormwater 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 continue stormwater sampling during Water Year (WY) 2014 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 reviewed and minor changes were made in January 2013 and are included in Appendix F. As the program progresses, the QAP will be reviewed and updated on an as-needed basis.

Results of Data Collected

The City was issued a NPDES permit for stormwater discharge. The EPA issued NPDES permit IDS-0281260 (referred to here as "NPDES Phase II Permit") effective October 15, 2009. The City began conducting stormwater monitoring activities as defined in the permit on October 15, 2011. Data from these monitoring activities are used to characterize local stormwater discharges, pollutant loads, and trends for water quality and quantity over time. This report presents monitoring data collected during WY 2013 (October 15, 2012, through October 14, 2013).

The NPDES Phase II Permit requires the collection of stormwater quality data from four storm events during permit defined monitoring periods. The following monitoring periods are defined in the permit and were targeted during WY 2013 events:

- March – April
- May – June
- July – August
- September – October

In situations where program sampling criteria are not met during a defined monitoring period, a sample collected during another monitoring period will be used to supplement the data set. Typically, sample collection during the July – August monitoring period is sporadic, therefore, a supplemental sample was collected on December 4, 2012.

During each monitoring period, ongoing flow was recorded using ISCO 2150 Flow Meters. All data collected are included in the annual report.

In addition to flow measurements and grab samples, the City uses rain data collected at the Caldwell Airport as the rain data presented in this report. Rain data is collected at each monitoring location throughout the entire water year.

Stormwater runoff samples were collected during each event and submitted to Analytical Laboratories, Inc., (nitrogen analyses) in Boise, Idaho and the Nampa Wastewater Division (all other analyses).

An annual report is presented in Appendix I. In this appendix is a summary of all monitoring requirements, pollutant loading estimates, and the Discharge Monitoring Reports for each monitoring effort.

Summary of Inspections and Enforcement

N/A

Summary of Upcoming Activities

- Review and update the monitoring plan on an as-needed basis
- Review and update the QAP on an as-needed basis
- Continue stormwater sampling during WY 2014 as defined in the permit
- Prepare and submit a summary of all monitoring requirements, pollutant loading estimates, and the Discharge Monitoring Reports for each monitoring effort
- Train monitoring staff on updates to the QAP and Monitoring Plan

Proposed changes to the SWMP

N/A

Permit Obligation Met by Other Entities

The City Stormwater Division, under the direction of the Department of Public Works, is responsible for the implementation of the requirements set forth in Part IV Assessment and Monitoring compliance. Stormwater Division staff will work with the assistance of contracted consultants to meet selected requirements set forth in this minimum control 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 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 activities such as:

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

See Section 2.2 for details of specific public education and outreach activities completed in year four.

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 four 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 2.2 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 was developed and initiated in year two of the permit. The program focuses on ways to address pollutants of concern in specific ways. For example, during year four, the City sponsored a community cleanup day along Indian Creek and incorporated stormwater related curriculum at the 5th grade, 8th grade, and high school levels. The first Nampa Water Education Community Day held on the banks of the Wilson Drain was presented to Nampa citizens by students after learning about water quality and the impacts of stormwater runoff in the classroom. As a result of this partnership with the Nampa School District the Stormwater Division was selected to receive an Association of Idaho Cities City Achievement Award for the partnership with the NSD. Stormwater staff provided a water quality lesson to 4th to 6th graders in the Nampa Recreation Center Kids in Action Summer camp. Activities included an edible aquifer demonstration and water cycle game. By updating the Stormwater website with additional information and incorporating a bilingual (Spanish) component the City was able to reach more community members. The City Stormwater Division was selected to receive a 1st place award from the Idaho Press Club for Nampa's bilingual stormwater program website. Through these activities, the City raised awareness on water quality issues including those surrounding total phosphorus, sediment, and E. coli. By providing these fun and interesting stormwater related community activities in the past the City has had success in developing support for the program within the community. Support from EPA through the Urban Waters program has proposed to showcase Nampa's Hispanic Outreach Program efforts. A draft EPA fact sheet is being developed to provide any interested communities with details of the program. 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 2.3 for details of specific public involvement/participation activities completed in year four.

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, community awards and increase in the number of community participation activities shows the support for Nampa's stormwater program and ownership of the local environment. Also, 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 2.3 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 IDDE program has been developed and implemented in year three of the permit. The program focuses on a plan to detect and eliminate illicit discharges into the MS4. The *City of Nampa IDDE Plan* outlines the procedures to identify the problem areas in the community, determine the source of the problem, remove the source if identified, and document the actions taken. See Section 2.4 for details of specific Illicit Discharge Detection and Elimination activities completed in year four.

Measuring effectiveness. The City set specific metrics for the IDDE program to measure program effectiveness. Metrics focused specifically on measuring progress in meeting the requirements highlighted in Part II.B.3.

3.4 Minimum Measure #5: Post-Construction Stormwater Management

Activities targeted on pollutants of concern. The City's Post Construction Storm Water Management Plan (PCSWMP) was developed in year four of the permit. Before developing the plan, the City maintained post construction design standards and required formal City review and approval of all development occurring within the urbanized area. A formal review of this program and the development of the Post-Construction Stormwater Management Plan (PCSWMP) and its effectiveness in managing pollutants of concern occurred in year four of the program.

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 subsequent annual reports.

3.5 Minimum Measure #5: Post-Construction Stormwater Management

Activities targeted on pollutants of concern. The City's Post Construction Storm Water Management Plan (PCSWMP) was developed in year four of the permit. Before developing the plan, the City maintained post construction design standards and required formal City review and approval of all development occurring within the urbanized area. A formal review of this program and the development of the Post Construction Storm Water Management Plan (PCSWMP) and its effectiveness in managing pollutants of concern occurred in year four of the program.

Measuring effectiveness. The City hosted a post construction stormwater management workshop for developers in the community. This workshop formalized the City's procedures when dealing with post construction stormwater management and provided a platform for feedback and improvement in the program. As a result the City, will update the PCSWMP, ordinances, and training to include new components both required by the permit and processes important to the City. In year five of the permit, the City will educate staff and the development community about the changes and will quantify an approach to evaluate the impact of the program on pollutants of concern. In order to measure effectiveness of this program the City will evaluate and report on the number of pre-development meetings that result in on-site retention of stormwater.

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 has been developed and will be implemented in year five of the permit. Current BMPs implemented by municipal personnel target the pollutants of concern by removing them from the storm drainage system.

Measuring effectiveness. As with other program components, the City has developed specific metrics associated with the pollution prevention and good housekeeping program to measure effectiveness in addressing pollutants of concern. These activities have resulted in a decrease in the gallons of debris and water removed from the storm drain system by 212,388 gallons. The amount of time spent in street sweeping activities has also increased by 1500 hours. The number of man hours performing pollution prevention activities has increased by 625 hours. By decreasing the volume of debris removed shows a reduction of the potential pollutants that could reach the receiving waters. An increase in the number of

man hours spent on pollution prevention activities decreases the potential amount of pollutant that could reach local water bodies. Adding employee training provides the guidance for municipal employees for conducting municipal activities to prevent or reduce pollutants from entering the storm drain system. The City will continue to perform these pollution prevention activities and evaluate program effectiveness.

Section 4

Other Required Documents and Reports

Stormwater Management Plan (Revised 2013): See Appendix D

Monitoring Plan (Revised 2013): See Appendix E

Quality Assurance Plan (Revised 2013): See Appendix F

Copies of Additional Stormwater Materials: See Appendix G

Public Education and Outreach Plan: See Appendix H

Annual Stormwater Monitoring Report WY 2013: See Appendix I

Industrial Facility Inventory Report: See Appendix J

Illicit Discharge Detection and Elimination Plan: See Appendix K

Post-Construction Stormwater Management Plan: See Appendix L

Pollution Prevention and Good Housekeeping for Municipal Operations Plan: See Appendix M

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

Appendix A: Stormwater Acronyms

List of Stormwater Acronyms:

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

Appendix B: Stormwater Glossary

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

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

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

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

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

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

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

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

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

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

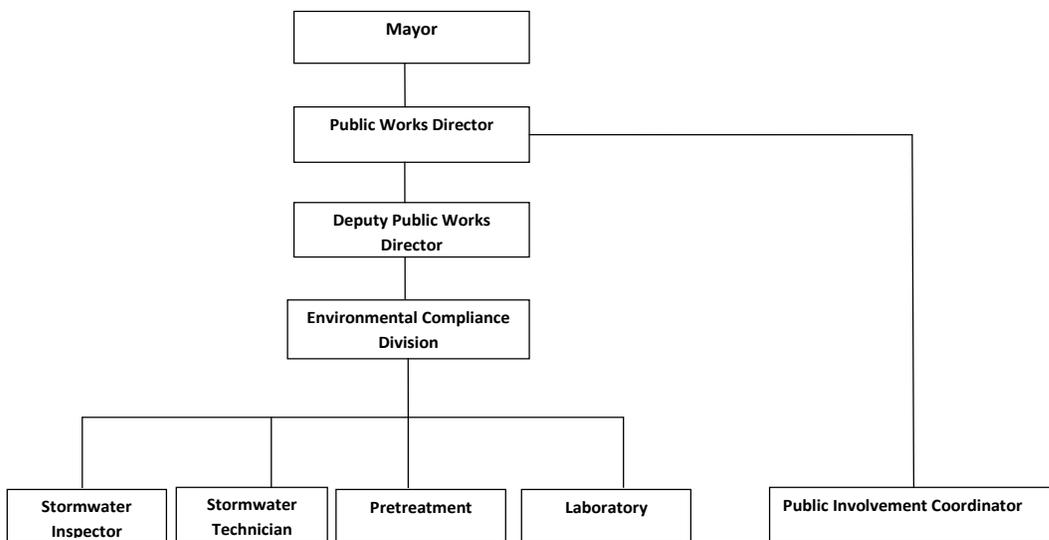
Stormwater Management Plan: refers to a comprehensive program to manage the quality of stormwater discharged from the municipal separate storm sewer system.

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

**Environmental Compliance Division Organizational Chart
FY 2013-2014**



Appendix D: Stormwater Management Plan

Appendix E: Stormwater Monitoring Plan

Appendix F: Quality Assurance Plan

Appendix G: Copies of Additional Materials

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

Educational Materials

Nampa Stormwater Workshop Materials

Stormwater System Maps

Ordinances

Subdivision Process and Policy Manual

Other Stormwater Documents

Appendix H: Public Education and Outreach Plan

Appendix I: Annual Stormwater Monitoring Report WY 2013

Appendix J: Industrial Facilities Inventory Report

Appendix K: Illicit Discharge Detection and Elimination Plan

Appendix L: Post-Construction Stormwater Management Plan

Appendix M: Pollution Prevention and Good Housekeeping for Municipal Operations Plan
