



## ENVIRONMENTAL COMPLIANCE DIVISION

340 West Railroad Street • Nampa, Idaho 83687

Office: (208) 468-5478 • Fax: (208) 468-9194 • [www.cityofnampa.us/stormwater](http://www.cityofnampa.us/stormwater)

---

January 11, 2016

United States Environmental Protection Agency

Attention: Stormwater Program

NPDES Compliance Unit

1200 6<sup>th</sup> Avenue, Suite 900 (OCE-133)

Seattle, WA 98101

NPDES Stormwater Permit Coordinator:

Please find enclosed the City of Nampa Year Six Annual Report for NPDES MS4 Permit #IDS-028126 for the reporting period October 15, 2014 – October 14, 2015. The City of Nampa, Idaho is also submitting a copy of this Annual Report to the Idaho Department of Environmental Quality Boise Regional Office in accordance with Part IV.D of Permit #IDS-028126. During this annual reporting year the City opted to include in the annual report a “Summary Sheet”. The summary sheet is a quick summary tool for the EPA and DEQ to view current status of the program.

Respectfully Submitted,

Nate W. Runyan, P.E.

Deputy Public Works Director

City of Nampa, Public Works Department, Environmental Compliance Division

340 W. Railroad St.

Nampa, ID 83687

Phone: (208) 468-4493

Enclosures: City of Nampa, Idaho Year Six Annual Report

cc: Idaho Department of Environmental Quality

Boise Regional Office

1445 North Orchard

Boise, Idaho 83720



The following table provides a brief summary of Nampa’s current stormwater management program. The table provides a summary of the status of each of the City’s stormwater management program elements for each of the NPDES MS4 Permit Minimum Control Measures for FY 2015.

City of Nampa Permit Year 6 – Stormwater Management Program				
Existing Phase II Permit Reference	Existing Phase II Permit Requirement	Existing Phase II Permit Description	Permit Year 6 Requirement	Permit Year 6 Accomplishments and Existing Nampa Program Activities (SWMP Description)
<b>II.B.1 Public Education and Outreach</b>				
II.B.1.a	Public education/outreach	Develop and implement a public education program addressing the impacts of stormwater discharges on local water bodies.	✓	<ul style="list-style-type: none"> <li>The City renewed its commitment to work with the Nampa School District (NSD) to educate students about stormwater. Through June 1, 2020, this stormwater/water quality education program will focus on educating K-12 students about how they can help reduce pollutants of concern. Quarterly reports were provided to the city to track the progress and activities of this partnership.</li> <li>The City continued to respond to citizen concerns relating to stormwater issues. These concerns were brought to the attention of the Environmental Compliance Division through a dedicated phone message line, Stormwater email inbox, and Report a Spill page on the Stormwater website.</li> <li>On October 8, 2015, 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 using cleaners that are less toxic to families, pets and local water bodies. Approximately 200 employees and spouses attended this event.</li> <li>The City’s stormwater webpage was updated (including bilingual content) throughout 2015 and provides educational material and information regarding the City’s stormwater program. Educational tip sheets were distributed in both English and Spanish. The tip sheets provide everyday behavior changes people can implement to reduce stormwater pollution.</li> </ul>
II.B.1.b	Distribute information	Distribute stormwater educational materials to target audiences.	✓	
II.B.1.c	Stormwater webpage	Maintain stormwater information webpage with appropriate educational information.	✓	
<b>II.B.2 Public Involvement/Participation</b>				
II.B.2.a	Public notice requirements	Comply with state and local public notice requirements when implementing a public involvement/participation program.	✓	<ul style="list-style-type: none"> <li>The Environmental Compliance Division attended a focus group comprised of stakeholders interested in providing input on updates to the Engineering Construction Standards Manual. Stormwater staff discussed potential changes to the Erosion and Sediment Control Program and other stormwater related topics.</li> <li>The Nampa City Council was presented a summary of the FY 2014 (Permit Year 5) stormwater program activities on January 5, 2015.</li> <li>Stormwater staff hosted the fifth annual Community Cleanup day on Saturday, September 26, 2015. The hours of the Cleanup Day were 9 a.m. to noon. At this event, volunteers spent the morning doing a variety of activities to improve the health of Nampa’s water bodies. Activities included picking up litter and debris along roadways that had storm drains that fed into Wilson Drain, 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. A total of 45 community members participated in the event and 47 drawstring sports packs with stormwater paraphernalia were distributed to participants.</li> <li>Stormwater staff provided water quality lessons to Advocates for Inclusion. Activities included a short discussion designed to meet the special needs of the Advocates for Inclusion participants on how stormwater interacts with the environment and the opportunity to construct an edible aquifer.</li> <li>A presentation was made at PNCWA, The Pacific Northwest Clean Water Association, titled, “Public Education and Outreach – Thinking Outside the Box” on October 8th, 2015.</li> <li>A presentation was made to the By Trowel and Error Gardening Club focusing on Nampa’s Stormwater Program and answering questions regarding local concerns.</li> <li>Permit Year 2010-2014 Annual Reports and supporting documents are posted on the City of Nampa Environmental Compliance Division Website</li> </ul>
II.B.2.b	Document availability	Make stormwater management plan (SWMP) documents and annual reports available to the public online.	✓	
II.B.2.c	Involve stakeholders	Involve interested stakeholders in development of the SWMP and make meeting schedules known to the public.	✓	
II.B.2.d	Update City Council	Update City council once per year regarding the SWMP.	✓	
II.B.2.e	Cleanup day	Organize, promote, and participate in a community cleanup day.	✓	
<b>II.B.3 Illicit Discharge Detection and Elimination</b>				
II.B.3.a	Plan development and implementation	Develop and implement an Illicit Discharge Detection and Elimination (IDDE) plan including an information management database.	✓	<ul style="list-style-type: none"> <li>The City developed an IDDE Plan in 2011 and has continued implementation of the Illicit Discharge Detection and Elimination Program during Permit Year 6 (2015).</li> <li>The Division has continuously updated the information management database which is designed to track the activities and actions of the IDDE Program.</li> <li>The Division has continued efforts to update the comprehensive storm sewer system map.</li> <li>The Division has continued to distribute IDDE informational fact sheets and posters to target audiences including City Departments and during public education events.</li> <li>The Division has continued to monitor the Report a Spill page on the Stormwater website</li> <li>Dry weather screening was performed on city owned stormwater outfalls on approximately 110 outfalls.</li> <li>City staff continued field verification activities on 1,719 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.</li> <li>A total of 32 pet pick up stations are provided at 21 City properties, including parks and greenbelt pathway areas.</li> <li>Reviewed and updated the Industrial Inventory of all facilities that discharge directly to the MS4.</li> </ul>
II.B.3.b	Ordinance/regulatory mechanism	Prohibit non-stormwater discharges into the MS4 through an ordinance or other regulatory mechanism, which includes escalation procedures.	✓	
II.B.3.c	Prohibit pollutant discharge	Use regulatory mechanism to prohibit non-stormwater flows contributing pollutants to the MS4 that would be otherwise allowable.	✓	
II.B.3.d	MS4 map	Update and complete a comprehensive map of the MS4.	✓	
II.B.3.e	Public education/outreach	Implement an IDDE education program.	✓	
II.B.3.f	Outfall screening	Screen 20% of the outfalls and investigate/eliminate illicit discharges encountered.	✓	
II.B.3.g	Industrial facilities	Complete and maintain inventory of industrial facilities discharging to the MS4 or waters of the U.S.	✓	

City of Nampa Permit Year 6 – Stormwater Management Program				
Existing Phase II Permit Reference	Existing Phase II Permit Requirement	Existing Phase II Permit Description	Permit Year 6 Requirement	Permit Year 6 Accomplishments and Existing Nampa Program Activities (SWMP Description)
<b>II.B.4 Construction Site Stormwater Runoff Control</b>				
II.B.4.a	Plan development and implementation	Implement and enforce a program to reduce pollutants from construction activities.		<ul style="list-style-type: none"> <li>Continued to implement and update the Construction Site Runoff Program initiated in 2005.</li> <li>Inspected construction projects disturbing five (5) acres or greater and developed prioritization for construction sites less than five acres.</li> <li>Updated the 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.</li> <li>The City provides a free educational opportunity called Conceptual Plan Review (CPR) for commercial builders, developers and property owners to meeting with City Staff from various departments to discuss local stormwater codes and requirements for their projects.</li> <li>The City reviews construction plans using the Construction Site Discharge Checklist.</li> <li>City staff conducts scheduled and unscheduled inspections. Large construction projects (&gt; 5 acres) are inspected at least once per construction season. Inspection frequencies for smaller projects are variable.</li> <li>The City complies with the National Construction General Permit Program via the City of Nampa Erosion and Sediment Control Program.</li> <li>In Permit Year 6 the Plan Review activities performed in conjunction with the Construction Site Stormwater Runoff program include: 230 commercial plans were reviewed for Erosion and Sediments Control requirements, and 630 Erosion and Sediment Control Permits were issued.</li> <li>The City of Nampa Standard Construction Specifications Manual was updated in February 2015 and includes Construction Stormwater BMPs.</li> </ul>
II.B.4.b	Public education/outreach	Provide information regarding the Construction General Permit (CGP) to construction developers.	✓	
II.B.4.c	Ordinance/Regulatory Mechanism	Adopt an ordinance or other regulatory mechanism to require all construction site operators to practice appropriate erosion, sediment, and waste control.	✓	
II.B.4.d	Distribute Information	Publish and distribute requirements for construction site operators to implement appropriate erosion and sediment best management practices (BMPs) and to control waste.	✓	
II.B.4.e	Pre-construction plan review	Review all pre-construction site plans for potential water quality impacts and sediment, erosion, and waste control.	✓	
II.B.4.f	Complaint response	Implement complaint receiving, tracking, and response program for construction site sediment and erosion control issues.	✓	
II.B.4.g	Inspection and enforcement	Develop and implement procedures for construction site inspection and enforcement.	✓	
II.B.4.h	CGP compliance	Comply with CGP for all permittee-owned construction projects.	✓	
<b>II.B.5 Post-Construction Stormwater Management in New Development and Redevelopment</b>				
II.B.5.a	Post-construction stormwater program	Implement and enforce a program to address post-construction stormwater runoff from new development and redevelopment projects.	✓	<ul style="list-style-type: none"> <li>In Permit Year 5, the City updated the Post Construction Storm Water Management Plan (PCSWMP) in order to quantify the current practices instituted by the City and outlined future actions that will be implemented.</li> <li>In Permit Year 6, the City continued to implement post-construction City standards and updated the Process Policy Manual and Standard Construction Specifications Manual in February 2015.</li> <li>The City provided Post-Construction educational flyers to the construction and development community via an email distribution list in October 2015. The flyers provided information on post-construction City requirements and BMPs.</li> </ul>
II.B.5.b	Ordinance/regulatory mechanism	Adopt an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects.	✓	
II.B.5.c	Operation and maintenance of controls	Ensure proper long-term operation and maintenance of permanent stormwater management controls.	✓	
II.B.5.d	Pre-construction plan review	Implement a process for pre-construction plan review and inspections of permanent stormwater management controls.	✓	
II.B.5.e	Public education/outreach	Provide educational outreach to the development community regarding design, operation, and maintenance of permanent stormwater management controls.	✓	
<b>II.B.6 Pollution Prevention and Good Housekeeping for Municipal Operations</b>				
II.B.6.a	Pollution prevention program	Develop and implement an operation and maintenance program intended to prevent or reduce pollutants associated with municipal activities.	✓	<ul style="list-style-type: none"> <li>The City updated the Pollution Prevention and Good Housekeeping Plan (PP/GH Plan) in Permit Year 5 in order to quantify the current practices and programs instituted by the City.</li> <li>The City continued to implement polluting prevention and good housekeeping practices throughout Permit Year 6.</li> <li>The city continued education and outreach efforts regarding the Pollution Prevention and Good Housekeeping for Municipal Operations Program targeting municipal activities with the potential to impact stormwater runoff                             <ul style="list-style-type: none"> <li>Provided annual awareness training to City staff in Permit Year 6.</li> </ul> </li> </ul>
II.B.6.b	Employee training	Conduct training for appropriate municipal employees regarding the implementation of the pollution prevention program.	✓	
II.B.6.c	SWPPP development	Develop and implement SWPPP for the fleet maintenance/street department and the wastewater treatment plant.	✓	
<b>IV Monitoring, Recordkeeping, and Reporting Requirements</b>				
IV.A.1	Stormwater management program evaluation	Evaluate compliance with the Permit, appropriateness of identified BMPs, and progress toward achieving the minimum control measures.	✓	<ul style="list-style-type: none"> <li>Continued monitoring at all three established monitoring stations. Samples were collected during four (4) storm events to include Indian Creek, Mason Creek, and Wilson Drain.</li> <li>Developed the Annual Stormwater Monitoring Report, which provides monthly and annual pollutant loadings for monitoring samples collected during the fourth permit year.</li> </ul>
IV.A.2	Program development/implementation	Develop and implement a stormwater monitoring program to estimate pollutant loading, assess effectiveness of control measures, and identify and prioritize areas requiring additional controls.	✓	
IV.A.3	Representative sampling	Collect representative samples and measurements.	✓	
IV.A.4	Monitoring procedures	Conduct monitoring procedures according to procedures approved under 40 CFR Part 136.	✓	
IV.A.5	Stormwater discharge monitoring	Conduct a stormwater discharge monitoring program for outfalls on Indian Creek, Mason Creek, and Wilson Drain following the schedule and monitoring requirements included in the permit.	✓	
IV.A.6.a,b	Quality assurance requirements	Develop a quality assurance plan for all monitoring.	✓	
IV.B	Recordkeeping	Retain all specified program records and make them available to the public upon written request or viewing in person during normal business hours.	✓	
IV.C.1	Annual reporting	Submit an annual report including monitoring data and summary of stormwater management program activities.	✓	



**The Municipal Separate Storm Sewer System**

**(MS4)**

**NPDES Permit for**

**Nampa, Idaho**

**(#IDS-028126)**

# **The City of Nampa Annual Report**

**Permit Year Six of the Nampa MS4 Permit**

**(FY 2015)**

**October 15, 2014 – October 14, 2015**

Prepared by the City of Nampa Environmental Compliance Division

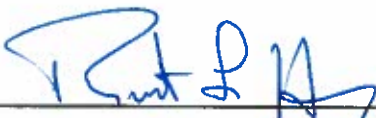
December 21, 2015



# Report of Certification

**Document:** City of Nampa 2014-2015 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: 12/23/2015

Robert L. Henry, Mayor, City of Nampa





# City of Nampa NPDES MS4 Annual Report

---

Permit #IDS-028126  
December 21, 2015

Reporting Period  
October 15, 2014 to October 14, 2015

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

Submitted By:  
City of Nampa, Idaho  
340 W Railroad Street  
Nampa, Idaho 83687



# Table of Contents

Executive Summary .....	1
1. Introduction .....	1
1.1 Summary of Permit and Annual Report Requirements .....	1
1.2 Permittee Information .....	2
1.3 Reporting Period .....	2
1.4 Report of Certification .....	2
2. Status of Stormwater Management Program .....	3
2.1 Introduction .....	3
2.2 Public Education and Outreach (Permit Part II.B.1) .....	4
2.3 Public Involvement/Participation (Permit Part II.B.2).....	8
2.4 IDDE (Permit Part II.B.3).....	11
2.5 Construction Site Stormwater Runoff Control (Permit Part II.B.4).....	16
2.6 Post-Construction Stormwater Management in New Development and Redevelopment (Permit Part II.B.5) .....	22
2.7 Pollution Prevention and Good Housekeeping for Municipal Operations (Permit Part II.B.6).....	26
2.8 Assessment/Monitoring (Permit Part IV).....	33
3. Discussion of Pollutants of Concern .....	35
3.1 Minimum Measure #1: Public Education and Outreach .....	35
3.2 Minimum Measure #2: Public Involvement/Participation .....	37
3.3 Minimum Measure #3: IDDE .....	39
3.4 Minimum Measure #4: Construction Site Stormwater Runoff Control .....	41
3.5 Minimum Measure #5: Post-Construction Stormwater Management .....	43
3.6 Minimum Measure #6: Pollution Prevention and Good Housekeeping for Municipal Operations..	45
4. Other Required Documents and Reports .....	47
Stormwater Management Plan (Revised 2015): See Appendix D .....	47
Monitoring Plan (Revised 2013): See Appendix E .....	47
Quality Assurance Plan (Revised 2013): See Appendix F .....	47
Copies of Additional Stormwater Materials: See Appendix G.....	47
Public Education and Outreach Plan: See Appendix H .....	47
Annual Stormwater Monitoring Report WY 2015: See Appendix I.....	47
Industrial Facility Inventory Report: See Appendix J .....	47
Illicit Discharge Detection and Elimination Plan: See Appendix K.....	47
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

Appendix H: Public Education and Outreach Plan ..... H-1

Appendix I: Annual Stormwater Monitoring Report WY 2015 ..... 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

# Executive Summary

Operating under an Environmental Protection Agency (EPA) issued administrative extension, year six of the City's MS4 Stormwater Permit activities were conducted from October 15, 2014, through October 14, 2015. Year six requirements were focused on the continuation of all six (6) minimum measures: public education/public outreach, public involvement/public participation, illicit discharge detection and elimination, construction site stormwater runoff, post-construction stormwater management and pollution prevention/good housekeeping programs. In addition, the City continued implementation of monitoring requirements identified in the permit's general requirements section.

## **MCM#1 - Public Education and Outreach**

During this permit year the City renewed its commitment to work with the Nampa School District (NSD) to educate students about stormwater. Through June 1, 2020, this stormwater/water quality education program will focus on educating K-12 students about how they can help reduce pollutants of concern. Quarterly reports were provided to the City to track the progress and activities of this partnership.

The Environmental Compliance Division continued to engage City staff through an informational booth at the City of Nampa Employee Wellness Fair. The City's stormwater webpage was updated (including bilingual content) throughout 2015 and provides educational material and information regarding the City's stormwater program. Educational tip sheets were distributed in both English and Spanish. The tip sheets provide everyday behavior changes people can implement to reduce stormwater pollution. In addition the City continued to respond to citizen concerns relating to stormwater issues

## **MCM#2 - Public Involvement and Participation**

The City continued to engage the community in permit year 6. Stormwater staff hosted the fifth annual Community Cleanup day on Saturday, September 26, 2015. Activities included picking up litter and debris along roadways that had storm drains that fed into Wilson Drain, 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 Environmental Compliance Division staff conducted numerous presentations including a program status update to the Nampa City Council, a PNCWA presentation highlighting the Hispanic outreach program, a presentation about the stormwater program to the By Trowel and Error Gardening Club and water quality lessons to the Advocates for Inclusion. In addition, the Environmental Compliance Division attended a focus group comprised of stakeholders interested in providing input on updates to the Engineering Construction Standards Manual. All materials and reports were posted on the City Environmental Compliance Division Website.

## **MCM#3 - Illicit Discharge Detection and Elimination**

The City developed an Illicit Discharge Detection and Elimination (IDDE) Plan in 2011 and has continued implementation of the program during Permit Year 6 (2015). This required the city to update the information management database which is designed to track the activities and actions of the IDDE Program and update the comprehensive storm sewer system map. As part of this program the Division has continued to distribute IDDE informational fact sheets and posters to target audiences including City Departments and during public education events. The Division has continued to monitor the Report a Spill page on the Stormwater website and installed pet pick up stations throughout the City. City staff continued field verification activities on 1,719 City outfalls to verify ownership and confirm location and

condition of outfalls. Dry weather screening was performed on city owned stormwater outfalls on approximately 110 outfalls. Finally, the City reviewed and updated the Industrial Inventory of all facilities that discharge directly to the MS4 (Appendix J).

#### **MCM#4 - Construction Site Runoff Program**

The City continued to implement and update the Construction Site Runoff Program initiated in 2005. As part of this program the City inspected construction projects disturbing five (5) acres or greater and developed prioritization for construction sites less than five acres, updated the 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, updated the City of Nampa Standard Construction Specifications Manual in February 2015 to include Construction Stormwater BMPs, and reviewed construction plans using the Construction Site Discharge Checklist. In addition, the City provided a free educational opportunity called Conceptual Plan Review (CPR) for commercial builders, developers and property owners to meet with City Staff from various departments to discuss local stormwater codes and requirements for their projects. As part of this process 230 commercial plans were reviewed for Erosion and Sediments Control requirements, and 630 Erosion and Sediment Control Permits were issued.

#### **MCM#5 - The Post-Construction Stormwater Management**

In Permit Year 6, the City continued to implement post-construction City standards and updated the Process Policy Manual and Standard Construction Specifications Manual in February 2015. The City provided Post-Construction educational flyers to the construction and development community via an email distribution list in October 2015. The flyers provided information on post-construction City requirements and BMPs.

#### **MCM#6 - Pollution Prevention/Good Housekeeping**

The City continued to implement pollution prevention and good housekeeping practices throughout Permit Year 6. The city continued education and outreach efforts regarding the Pollution Prevention and Good Housekeeping for Municipal Operations Program (Appendix M) targeting municipal activities with the potential to impact stormwater runoff and provided annual awareness training to City staff in Permit Year 6.

#### **General Requirements - Stormwater Monitoring Program**

During permit year six the City continued monitoring stormwater at the three monitored locations identified in the Stormwater Monitoring Plan (Appendix E). Samples were collected during four (4) storm events to include Indian Creek, Mason Creek, and Wilson Drain. The City developed the Annual Stormwater Monitoring Report, which provides monthly and annual pollutant loadings for monitoring samples collected during the fourth permit year (Appendix I).

# Introduction

As part of the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (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 Summary of Permit and Annual Report Requirements

As required by the Environmental Protection Agency (EPA) 1999 Stormwater Phase II Final Rule, the City of Nampa (City) applied for NPDES permit coverage for stormwater discharges in February 2003. The Environmental Protection Agency (EPA) issued the City a Phase II MS4 NPDES permit (IDS-028126) effective October 15, 2009. This permit expired midnight October 14, 2014, and the City applied for reissuance on July 7, 2014, for continued coverage under the NPDES Phase II permit. The EPA issued a letter to the City identifying that they received the application and are administratively extending the existing permit until a new permit is issued by the EPA. This report summarizes permit activities for the sixth year of the first permit cycle.

The permit 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 and to protect water quality in receiving waters. The City's SWMP actions and activities include best management practices, 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 Treasure Valley Urbanized Area in an effort to establish consistent, area-wide expectations for municipal stormwater management. Other regulated small MS4s for which EPA has issued NPDES permits include the following:

- 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 provide technical and moral support.

Reporting requirements under the 2009 MS4 permit include an annual report for each year of the permit period 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 Environmental Compliance Division (ECD) website.

## 1.2 Permittee Information

Permit Number: IDS-028126  
Permittee: City of Nampa, Idaho  
Mailing Address: 340 West Railroad Street  
City, State, Zip Code: Nampa, Idaho, 83687  
Phone Number: (208) 468-4493

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

Nampa is attaching a map showing the annexed areas from October 15, 2014, to October 14, 2015. 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).

## 1.3 Reporting Period

October 14, 2014 to October 15, 2015

## 1.4 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 maximum extent practicable (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. 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 environments. 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 best management practices (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 MEP.
- 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

In 2015, the City continued efforts to educate and engage Nampa's community members with stormwater-related issues. The City participated in various local community events, developed new age appropriate educational materials, continued to sponsor the Nampa School District (NSD) partnership, and presented papers pertaining to local stormwater activities. In addition, the ECD gave a presentation at the new Nampa Public Library open house on the importance of plants in maintaining water systems. The City continued to 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)*

#### Permit Year 6 Activities

- The City renewed its commitment to work with the NSD to educate students about stormwater. Through June 1, 2020, this stormwater/water quality education program will focus on educating K-12 students about how they can help reduce pollutants of concern. Quarterly reports were provided to the city to track the progress and activities of this partnership.
- The City continued to incorporate input from a consultant and representatives of target audiences to assist in creating education materials that reflect the needs of the community.
- The City hosted the fifth annual Community Cleanup Day on September 26, 2015. At this event, volunteers spent the morning doing a variety of activities to improve the health of Nampa's water bodies. Activities included picking up litter and debris along roadways that had storm drains that fed into Wilson Drain, 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 from 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 ECD through a dedicated phone message line, stormwater email inbox, and Report a Spill page on the Stormwater website.
- The ECD continued to implement educational components of the Construction Site Program. This educational component will help educate developers about stormwater permit requirements.
- The ECD continued developing an educational component for the Illicit Discharge Detection and Elimination (IDDE) Program that will educate City employees, business owners, and the public about the hazards of illegal dumping.
- Stormwater staff provided water quality lessons to Advocates for Inclusion. Activities included a short discussion designed to meet the special needs of the Advocates for Inclusion participants on how stormwater interacts with the environment and the opportunity to construct an edible aquifer.
- A presentation titled, "Public Education and Outreach – Thinking Outside the Box," was made at the Pacific Northwest Clean Water Association (PNCWA) on October 8, 2015.
- A presentation was made to the By Trowel and Error Gardening Club focusing on Nampa's Stormwater Program and answering questions regarding local concerns.

*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 the following:
  - 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)
  - “What Ollie Sees”: a children’s sticker book story about stormwater (bilingual)
  - It’s Up to You to Pick Up the Puppy Poo: Stormy the Puppy factsheet (English)
  - Pollution Prevention for Citizens (English)
- The ECD 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, which now using it as an outstanding example for other communities to follow.
- On September 26, 2015, the Stormwater staff held the fifth annual Stormwater Community Cleanup Day focusing on Wilson Drain. The emphasis of this event is to educate the public about stormwater pollution and encourage involvement in stormwater related activities. Attendance was in line with the previous year, 45 people participated. The following summarizes the educational component of the event:

## Cleanup Day Promotional Efforts

- Placed one ad promoting the cleanup day in the spring and fall activity guides 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.
- Coordinated and corresponded with community partners including Walmart, Northwest Nazarene University, NSD, City of Nampa employees, and local charter schools.
- Distributed fliers at the Water Education Day, the grand opening of the Nampa Public Library, and the Pooch Stroll and Swim Party.
- Provided 200 registration forms to the NSD.
- Shared informational posters, stormwater website, and verbal information.
- Presented a short water quality overview to all of the participants.
- Distributed drawstring sports packs containing stormwater information with the Nampa Stormwater logo to the participants.
- Marked 42 storm drains.
- Placed approximately 1,000 door hangers with tips on how to prevent stormwater pollution and information about the storm drain decals on nearby homes.
- Performed several water quality assessments along the Elijah Drain.
- Collected several bags of trash and debris from along the waterway and neighborhood catch basins.
- Walmart helped sponsor the event with a volunteer appreciation lunch.

- 20 interested participants made edible aquifers.
- On October 8, 2015, 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 using cleaners that are less toxic to families, pets, and local water bodies. Approximately 200 employees and spouses attended this event. The following is a list of the materials provided at this event:
  - Giveaways including Frisbees, bookmarks, Chap Stick, water bottles, bags, and healthy snack idea cards with the Stormwater logo
  - 200 copies of a kitchen cleaner recipe sheet
  - 200 copies of a bathroom cleaner recipe sheet
  - 200 copies of an all-purpose cleaner recipe sheet
- The Stormwater staff participated in a variety of community events. A large tabletop display station was created that provided bilingual educational information about how to prevent stormwater pollution. Various giveaways with the Nampa Stormwater logo were provided and appropriately chosen for the target audience. Stormwater staff attended and distributed educational materials at the locations identified in the table below.
- Conducted IDDE and Pollution Prevention training to the City Street Department for a total of 18 employees receiving educational materials including illicit discharge booklet.
- City distributed educational materials on IDDE to 8 Nampa Businesses and 13 City of Nampa buildings.
- City distributed educational materials relating to the EPA’s Construction General Permit to appropriate audiences, including contractors and developers within the urbanized area.
- Distributed follow-up information via email to participants of both an internal (City staff) and external (developers/engineers) Post-Construction Stormwater Management Plan (PCSWMP) public outreach workshop. In addition, the attendees were directed to the website for additional information.
- City staff utilized several interactive hands-on groundwater tools to provide a visual and stimulating educational activity for both kids and adults at public outreach events. Both enVision and EnviroScape tabletop models provide an opportunity to present stormwater educational information and promote awareness of how everyday activities impact the environment.
- The edible aquifer activity has been heavily utilized to provide kids with a fun way to learn about the environment. Requests for this activity have increased in the last year.

A summary of the Public Outreach events for Permit Year 6 is provided in the table below.

Total Number of Attendees for 2014–2015 Permit Year 6 Stormwater Outreach Events		
Date	Event	# of Attendees
3/14/2015	Dog Park Food Truck Rally	1,000
4/19/2015	Library Tween Edible Aquifer	40
4/17/2015	Central Canyon, Mrs. Hansen's Class Edible Aquifer	74
5/09/2015	Water Education Day	80
5/28/2015	Iowa Elementary Mrs. Joyner's Class Edible Aquifer	90
5/30/2015	Nampa Library Grand Opening	3,000
7/23/2015	Advocates for Inclusion Edible Aquifer:	79

Total Number of Attendees for 2014–2015 Permit Year 6 Stormwater Outreach Events		
Date	Event	# of Attendees
7/30/2015	Advocates for Inclusion Edible Aquifer:	58
8/29/2015	Nampa Parks & Rec Pooch Party	1,000
9/26/2015	Stormwater Community Cleanup Day	45
10/08/2015	Employee Health Fair	200
Total of all events		5,666

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 SWMP, annual reports, and documentation of media events. In 2015, over 1,418 people visited the bilingual stormwater program website.

### Results of Data Collected

N/A

### Summary of Inspections and Enforcement

N/A

### Summary of Upcoming Activities

- Reach out to the underserved and minority community members.
- Distribute appropriate Stormwater education materials to target audiences.
- Update Stormwater information webpage with appropriate educational information. The website includes communication materials, the SWMP, annual reports, and associated documents.
- Continue to work with NSD to provide communication and education outreach services for the City's stormwater program.
- Explore possible partnerships within the community to help promote a clean and healthy environment by reducing pollutants in the storm drains.
- Develop a Stormwater Day Camp to reach out to youth in the community.
- Issue media releases as appropriate prior to Stormwater events.
- Host the sixth annual Community Cleanup Day.
- Update the Nampa City Council about the status of the stormwater management program.
- Respond to citizens who call into the City's Stormwater phone line or contact staff through the email inbox or Report a Spill webpage.
- Update the City's mailing and email database with stakeholders who have participated in the stormwater program.
- Track news, updates, and volunteer opportunities in the database throughout the program.
- Host annual PCSWMP workshops for City staff and the development/construction community.

## Proposed Changes to the SWMP

N/A

## Permit Obligation Met by Other Entities

The City ECD, under the direction of the Department of Public Works, is responsible for implementing 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 have formed a partnership with the NSD 131 to assist in providing educational, communication, and outreach services for the City's Stormwater Program. After the expiration of the Memorandum of Understanding (MOU), both the City and NSD evaluated the effectiveness of the partnership and agreed to a renewal of the agreement through 2020. 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.

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

### General Summary

The City continued implementing activities through the Hispanic Public Outreach Program, 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 third Community Water Education Day. Other successful public involvement activities include various presentations at the Nampa Public Library and communicating with pet owners at the Dog Park Food Truck Rally. A successful fifth annual Community Cleanup Day was hosted by the ECD. A permanent bilingual stormwater interpretative signage shelter was used to highlight stormwater at hosted events. The Stormwater website, which received 1,418 hits this year, has continued to be updated to notify the public of upcoming events and provide an opportunity to input and/or report stormwater-related concerns. All relevant SWMP documents and all annual reports have been 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 ECD Website is developed and up-to-date with relevant Nampa Stormwater program documents and reports including the following:
  - City of Nampa MS4 Permit
  - Stormwater Design Manual
  - 2010–2015 Annual Reports and supporting documents including the following:
    - Stormwater Management Plan
    - Stormwater Monitoring Plan
    - Quality Assurance Plan (QAP)
- The 2015 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 ECD attended a focus group of stakeholders interested in providing input on updates to the Engineering Construction Standards Manual. Stormwater staff discussed potential changes to the Erosion and Sediment Control (ESC) Program and other stormwater-related topics.
- The City met with the following groups to discuss stormwater-related activities and to receive input regarding these activities:
  - Teachers who comprise the Stormwater Team of Teachers for the City/NSD partnership.
  - Hispanic professionals in the Nampa community.
  - The City has engaged in the development of the total maximum daily load for Phosphorus on the Lower Boise River with the IDEQ.
  - The City is an active board member of the Lower Boise Watershed Council that serves as the Watershed Advisory Group for the Lower Boise River.
- Provided various opportunities for the public to submit input to the ECD via phone message line, email inbox, and 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 fiscal year (FY) 2014 stormwater program activities on January 5, 2015.
- 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. City Council meetings are held every two weeks throughout the year.
- Highlights and accomplishments of the ECD are presented to the public each year at the Mayor's State of the City address.

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

- Stormwater staff hosted the fifth annual Community Cleanup day on Saturday, September 26, 2015. The hours of the Cleanup Day were 9:00 a.m. to 12:00 p.m. 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 ECD website posted an announcement about the upcoming event, and brochures were handed out at various public events and by the NSD.
  - Most volunteers came from partner organizations and institutions in Nampa, including the NSD, By Trowel and Error Gardening Club, Girl Scouts of Silver Sage and Brown and Caldwell.
  - Walmart helped sponsor the event by providing a volunteer appreciation lunch after the event.
- The following reflect the accomplishments of a very successful Cleanup Day event:
  - 45 community members participated in the event.
  - 1,000 door hangers with tips on how to prevent stormwater pollution and information about the storm drain decals were placed on nearby homes.
  - 4 bags of garbage were collected.
  - Visual water quality assessments were performed along Indian Creek.
  - 47 drawstring sports packs containing reusable stormwater drink bottles and information with the stormwater logo were distributed to the participants.
  - Participants were able to win Stormwater Logo Frisbees through a beanbag toss.

- During the volunteer appreciation lunch, 20 participants made their own edible aquifer.
- 100 percent of the volunteers returned safely.
- Recognition and appreciation also goes to the NSD for its 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.
  - The 2015 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.
  - The City will continue to meet with the NSD, Hispanic professionals, City employees, and other interested parties in 2016 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 Annual Community Cleanup Day is tentatively scheduled to occur in September 2016.

### **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 ECD, 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 have formed a partnership with NSD 131 to assist in providing educational, communication, and outreach services for the City’s Stormwater Program. After the expiration of the MOU, both the City and NSD evaluated the effectiveness of the partnership and agreed to a renewal of the agreement for through 2020. 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 IDDE (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 the following:

- Continue to update the comprehensive storm sewer system map.
- Inform and educate City employees, businesses, and the 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 provide 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 the MS4 system. The City is in the process of completing the comprehensive storm sewer system map of the stormwater drainage system, which includes all of the City owned and operated storm sewers, catch basins, seepage beds and other conveyances, outfalls (including diameter, 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 the current version is provided in digital format with this annual report.

### 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 up the stream 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.

*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 updated as appropriate as IDDE program implementation progresses.

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

The City is continually updating the comprehensive storm sewer system map of the stormwater drainage system, which 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. 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 with this annual report.

An extensive inventory of outfalls located on Indian Creek, Mason Creek, Wilson Drain, and associated tributaries has identified a significant number of discharge points along these receiving waters. All discharge points were cataloged using a handheld 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, 2015, a total of 1,719 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 geographic information system 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 support the success of the IDDE Program. The following activities assist the IDDE Team in reaching 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 included the following:
    - Car Maintenance tip sheet (bilingual)
    - Report a Spill tip sheet (bilingual)
    - Household Hazardous Waste tip sheet (bilingual)
    - Home Improvement Projects tip sheet (bilingual)
    - Pollution Prevention for Citizens (English)
    - Safe Household Cleaners tip sheet (English)
    - Illicit Discharge Posters for Street Dept.
    - Illicit Discharge Posters for Fleet Services
    - Illicit Discharge Posters for Parks Dept.
    - Illicit Discharge Posters for Building Dept.
    - Illicit Discharge Posters for citizens of Nampa

- Distributed educational materials developed by other entities include the following:
  - Learn About Hazardous Products in Your Home (IDEQ)
  - Household Hazardous Waste and You (IDEQ)
  - House graphic listing potential pollutant sources (unknown)
- During Permit Year 6, stormwater staff conducted one IDDE training session 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 18 public employees from the Street Department who have the potential to encounter illicit discharges or spills were provided educational materials and the division was given a spill kit.
- Stormwater staff hosted the fifth annual Community Cleanup day on Saturday, September 26, 2015. The hours of the Cleanup Day were 9:00 a.m. to 12:00 p.m. Volunteers marked storm drains and picked up litter along storm drains feeding into Wilson Drain. The focus of this event was to educate the public about stormwater pollution and encourage involvement in stormwater-related activities. Nearly 1,000 door hangers were placed on nearby homes with tips on how to prevent stormwater pollution and information about the storm drain decals.
- On October 8, 2015, 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 using non-toxic cleaners that keep pollutants out of homes, storm drains, and local water bodies. Approximately 200 employees and spouses attended this event. The following is a list of the materials provided at this event
  - Giveaways including Frisbees, bags, pens, chap stick, water bottles, and rulers with the stormwater logo
  - 200 copies of a Bathroom Cleaner Recipe sheet
  - 200 copies of a Kitchen Cleaner Recipe sheet
  - 200 copies of a General Purpose Cleaner Recipe Sheet
- Implement storm drain marking efforts in conjunction with the Stormwater Community Cleanup Day and offer as an activity for groups such as Boy Scouts and church groups.
- Host a special curbside service and free dump day (April 2015).
- Provide educational materials in Spanish in an effort to reach all members of the community.
- Continue monitoring the Report a Spill page on the Stormwater website to allow community members to report observed spills in their neighborhood.
- 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 the following:
    - NSD
    - Northwest Nazarene University
    - Hispanic professionals
    - Walmart

- By Trowel and Error Gardening Club
- Advocates For Inclusion
- Provide appropriate educational training for public employees, businesses, and the 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
    - City Stormwater website
- Provide pet pick up stations at 21 City properties including parks and greenbelt pathway areas (total of 32).

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

As of October 31, 2015, a total of 1,719 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. Verification efforts to determine ownership and establish the number of outfalls to screen are currently ongoing. Information from this activity provides a baseline of data to begin detailed screenings to detect non-stormwater flows from stormwater outfalls. In 2015, 110 dry weather outfalls were screened. 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 codes. The inventory also includes the facility name, facility location, outfall location, and NPDES permit status. The 2015 update to the Industrial Facilities Inventory report is provided in Appendix J.

## **Results of Data Collected**

- City Stormwater staff have responded to 61 stormwater complaints from October 15, 2014, through October 14, 2015.
- City Streets staff responded to 71 stormwater-related incidents called into the Street Division from October 15, 2014, through October 14, 2015.
- The City has responded to a total of 132 stormwater related incidents or complaints from October 15, 2014, through October 14, 2015.
- 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, 2015, a total of 1,719 outfalls have been inventoried.
- Dry weather screening activities resulted in 110 city-owned outfalls screened for potential illicit discharges. Total screened outfalls to date are 371.

- In Permit Year 6, the City continued to update the industrial inventory.

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

During Permit Year 6 of Nampa's MS4 permit, Stormwater staff performed 61 site inspections and Street staff responded to 71 stormwater-related complaints for a total of 132 stormwater related responses. No formal enforcement actions were performed. Educational materials were handed out relevant to the nature of the discharge.

### **Summary of Upcoming Activities**

- Update the comprehensive storm sewer system map with information from field verification activities
- Inform public employees, businesses, and the public of hazards associated with illegal discharges and improper waste disposal
- Conduct training on recognizing illicit discharges and the proper response procedures for City employees
- Continue activities associated with dry weather screening of outfalls for dry weather flows
- Update the Industrial Facilities Inventory report as appropriate
- Update the IDDE information management database system that tracks the activities and actions of the IDDE Program
- 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 IDDE 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 ECD 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 startup 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 educational materials distribution. Additional program components added since program startup include receiving input from the public on ESC site plan review, prioritizing smaller construction sites for inspection, and inspecting larger construction sites at least once per construction season. The ECD will strive to receive input from the public, as well as surrounding municipalities, when 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 1 acre. This program must also include controls for pollutants in such stormwater discharges from activity disturbing less than 1 acre, if that construction activity is part of a larger common plan of development or sale that disturbs 1 acre or more.

A majority of the Construction Site Stormwater Runoff Control program components were developed and implemented at program startup 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 educational materials distribution. 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 (CGP)
- 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 the EPA’s 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 ESC 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 CGP on an ongoing basis in the following methods:
  - Conceptual Plan Review Meetings: intended to provide general guidance concerning stormwater pollution prevention to prospective project applicants
  - Pre-Bid Meetings: intended to provide project-specific stormwater pollution prevention information to all project applicants
  - Pre-Construction Meetings: formalize a development agreement covering the entire scope of the project, including stormwater pollution prevention BMPs
  - Flyer for reference
  - Posted 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 the 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 that 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 from construction activities in any stormwater runoff to the MS4 through plan review, site inspection, and the distribution of educational materials.

*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 have 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 are distributed by the following methods:
  - ESC Permit Application Packets available online and over the counter.
  - Provided with approved ESC permit sign and associated documents as appropriate.
  - 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 ECD website.
  - Distribute 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 2 cubic yards of soil are reviewed for proper stormwater management practices. Any deficiencies in the Specific Construction Site Discharge Plans 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 2 or more cubic yards of soil are to be disturbed. Stormwater staff review all commercial site development ESC permit applications with associated SWPPP or Erosion Control Plans (ECPs) 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 ensures 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 with the exception of utility work. Typically, these permits are less than 1 acre in size and are transferred to the ECD for review if the size exceeds the less than 1 acre permit application requirement for residential projects.

For site developments where land-disturbing activity is 1 acre or more, a SWPPP is required and will be reviewed for the following components:

- Contact information/responsible parties
- Supporting documentation for site evaluation, assessment, and planning
- Documentation of compliance with other federal requirements (electronic Notice of Intent, Historical Preservation, Endangered Species)
- Site maps detailing actions and BMP placement including ESC
- Pollution prevention standards
- Inspection and Corrective Action Forms
- Training logs and Responsible Person Forms
- SWPPP Amendment Log
- Subcontractor Certification/Agreements and Delegation of Authority
- The SWPPP must be prepared by a Certified Plan Designer, licensed architect, or Professional Engineer (P.E.)

For commercial site developments where land-disturbing activity is less than 1 acre in size, an ECP is required and will be reviewed for the following components:

- Contact information/responsible parties
- Supporting documentation for site evaluation, assessment, and planning
- Evaluation of compliance with local requirements
- Site maps detailing actions and BMP placement including ESC
- Pollution prevention standards
- Inspection and Corrective Action Forms
- Training logs and Responsible Person Certification
- Subcontractor Certification/Agreements and Delegation of Authority



- Preparation of the ECP by a Certified Plan Designer, Licensed Architect, or 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 Permit Year 6, 230 commercial plans were reviewed for ESC requirements
- In Permit Year 6, 630 ESC permits were issued
  - 400 Residential (all less than 1 acre in size)
  - 230 Commercial
    - 202 less than 1 acre in size
    - 28 greater than or equal to 1 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:

- Receive 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.
- Erosion and Sediment Control input/comment form 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 a prompt and timely manner. The ECD will strive to receive input from the public, as well as surrounding municipalities, when 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
- ECD staff have incorporated the 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, Stop Work Order, and possible fines. The ECD periodically reviews and updates ESC site inspection and enforcement procedures to ensure permit compliance. The following represents Permit Year 6 actions for the construction site inspection activities:

- Implement site inspection and enforcement procedures
  - In Permit Year 6, 364 site inspections were performed
    - 192 Residential (All less than 1 acre in size)

- 34 Commercial (21 were greater than 5 acres in size)
- In Permit Year 6, one enforcement action was performed

The Stormwater staff utilizes construction site inspections for distributing educational materials and working 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 5 acres or more at least once per construction season.  
Formal inspection of all active construction sites 5 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 Permit Year 6 inspection activities accomplished on construction sites 5 acres or greater:
  - ESC staff performed formal inspections on 21 construction sites 5 acres or greater in size.
- Develop a written policy identifying how construction sites disturbing less than 5 acres will be prioritized for inspection.

Construction projects on or adjacent to environmentally sensitive areas have historically warranted additional site visits to monitor the area for potential pollutants. Working knowledge of Nampa's environmentally sensitive areas has provided the basis to prioritize construction projects disturbing less than 5 acres for site inspections. Additional factors considered for prioritization include soil type, grade, and location of drainage conveyance near the project and trends of illicit discharge in the area. A written policy for identifying how construction sites disturbing less than 5 acres will be prioritized for inspection (Appendix G). The following is a summary of the prioritization criteria for inspecting construction sites less than 5 acres in size.

### **Prioritization Criteria**

Construction projects less than 5 acres in size and issued an approved City of Nampa ESC permit will be inspected based on the following prioritization criteria:

- 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 50 feet of water bodies
- Construction sites that contain or are adjacent to environmentally sensitive areas such as wetlands or impaired water bodies
- Construction sites that exceed 10 percent in grade
- 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, including all contractors working on behalf of the City. Specific language relating to applicable ESC, pollution prevention, and on-site materials control has been incorporated into all contract documents ensuring appropriate stormwater management on all public construction projects.

### **Results of Data Collected**

N/A

## Summary of Inspections and Enforcement

Nampa's ESC staff, with some assistance from the Building Department, performed over 279 site inspections to ensure compliance with requirements of the Construction Site Stormwater Runoff Control minimum measure.

The enforcement actions were in response to contractors commencing earth-disturbing activities without an approved ESC permit. No fines were levied in conjunction with any of these enforcement actions. Educational materials were provided to recipients 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:

- Potential updates of the ESC webpage on the ECD website may be performed. This webpage 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 2 cubic yards but under 1 acre
    - Application for ESC Permit
    - ESC submittal requirements
    - Nampa's site-specific construction plan requirements
  - Permit resources for construction sites 1 acre or larger
    - Application for ESC permit
    - Link to the EPA's CGP
    - Link to the EPA's SWPPPs
    - 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 that 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 implementing 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)

### General Summary

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

The Post-Construction Stormwater Management Program has been updated to quantify current practices instituted by the City. In addition, it outlines future actions that will be implemented by the City. The City has many post-construction stormwater components built into existing City ordinances; however, the City is actively working on updating the City of Nampa Engineering Policy Manual to more clearly delineate roles and responsibilities between heavy and light maintenance and Operations and Maintenance (O&M) for permanent structural controls. The City has identified a process to educate owners and developers on long-term O&M via an O&M Fact Sheet.

### 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 PCSWMP has been developed to provide 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 PCSWMP
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 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 encouraging policies for infill development. The current City Comprehensive Plan was adopted in January 2012. 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 ECD 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. On-site detention is also required for new industrial and commercial developments. Updated in 2015, the Engineering Development Process and Policy Manual includes a Stormwater Policy Manual that addresses drainage and stormwater management requirements. Every couple of years the Engineering Development Process and Policy Manual undergoes an additional review and updating process. The Engineering Design and Construction Guidance document will be revised to include language that specifically designates long-term operation and maintenance of structural BMPs and will outline an inspection program for the structural controls during the next revision. The current manuals can be found on the City website (<http://www.cityofnampa.us/>).

In addition, the City developed and references the document titled *Standard Construction Specification Manual*. This guidance document requires developers to follow a specified plan for post-construction BMPs and outlines the City's involvement in pre-planning, planning, construction, and post-construction phases of development.

*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 ECD. 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 (included in Section 2.7 tables).

To adequately meet permit requirements, the City plans to expand the existing procedures to encompass all of the post-construction stormwater management controls. The post-construction stormwater monitoring plan outlines the specific approach the City plans to implement over the next couple of years.

In order to support the PCSWMP and the long-term operation and maintenance of City-owned BMPs, the Department of Public Works has 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 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 a component in the City's site plan review and approval process. The City uses 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 reviews elements of the project plan including preconstruction hydrologic analysis at the site. In addition, the City reviews the developer's plans for proper selection of BMPs and placement of permanent stormwater controls.

The PCSWMP addresses the following 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:

- For new development, 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, inspect each commercial facility to ensure proper installation of the permanent BMPs.
- For commercial developments, maintain all BMPs on-site.
- For residential developments, 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 take 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 ECD to ensure proper stormwater runoff BMPs are selected during the construction phase of the project.
- Stormwater staff intends to expand upon and consolidate the existing plan review efforts to develop a site plan review process for new development and redevelopment projects.



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

An education workshop for post-construction stormwater management was held in Permit Years 4 and 5 for engineers, developers, and/or contractors. An internal City workshop was also held in Permit Year 5 between various departments that impact stormwater post-construction BMPs. To address post-construction stormwater management education efforts in Permit Year 6, the Post-Construction Stormwater Management Program sent attendees of the previous workshops fact sheets on the Post-Construction Program and a status update.

**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 four city construction projects. The following list represents the stormwater-related improvements made during the last permit year:

2014–2015 Stormwater-Related Improvements	
Project	BMP
Canyon Road Rebuild	<ul style="list-style-type: none"> <li>• Seepage bed</li> <li>• 1,500 gallon sediment box</li> <li>• 6 catch basins</li> <li>• Installed storm drain pipe</li> </ul>
Midland and Lone Star Signal Project	<ul style="list-style-type: none"> <li>• 2 catch basins</li> <li>• Installed storm drain pipe</li> </ul>
Ord Storm Improvements	<ul style="list-style-type: none"> <li>• Seepage bed</li> <li>• Repaired 3 catch basins</li> <li>• 1,000 gallon sediment box</li> <li>• Installed 1 storm drain manhole</li> <li>• Installed storm drain pipe</li> </ul>
14th Street and Madison	<ul style="list-style-type: none"> <li>• Replaced 3 catch basins</li> <li>• Installed 4 storm drain manholes</li> <li>• Installed storm drain pipe</li> </ul>

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.

The PCSWMP future actions include the following potential updates to the Engineering Policy Manual:

- Language will updated to more clearly delineate roles and responsibilities between heavy and light maintenance.

- This will be included under Division 100, Section 106.103.10, Ownership Intent
- Proposed language to expand on the important role of developing O&M plans for installed post-construction BMPs will be added to make this submittal more formal.
  - This will be included under Division 100, Section 106.115.2.4, Final Drainage Report Submittal Requirements

The PCSWMP future actions outline the City's Engineering Design and Construction Guidance documents that should reflect guidance in the PCSWMP:

- Clearly designate long-term O&M of structural BMPs
- Outline an inspection program of structural control BMPs (private and public facilities)

Other proposed actions regarding education and outreach include the following:

- The City has also identified a process to educate owners and developers on long-term O&M via an O&M Fact Sheet
- Expand educational activities focused on the development community regarding appropriate design and O&M 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 ECD, 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 five 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.

### **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 fundamental 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 (WWTP) 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 O&M program intended to prevent or reduce pollutants 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 Permit Year 4, the City developed the Pollution Prevention and Good Housekeeping for Municipal Operations Program. In Permit Year 5, the City updated and expanded the program, and in Permit Year 6, the City continued implementing the plan's activities. 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
  - Streets and Fleet Maintenance (including a spill plan) and Waterworks Divisions SWPPPs

- BMPs or standard operating procedures (SOPs) for stormwater activities for each of the activities listed above have been developed by the following City Departments or Divisions (details of BMPs/SOPs are listed in the SWMP):
  - Environmental Compliance Division
  - Streets Division
  - Fire Department
  - Fleet and Vehicle Maintenance Division
  - Parks and Recreation Department
  - Facilities Maintenance Division
  - Waterworks Division
  - Airport Division
  - Police Department
  - Golf Course Division

The City's Street Division developed the Snow and Ice Control Plan that is designed to organize reasonable, cost effective maintenance efforts during periods of snow or ice. The primary purpose of the Snow and Ice Control Plan is to provide effective use of equipment and personnel, minimize impact to the environment, help contain costs, and organize safe travel routes for emergency responders and the motoring public during winter storm events. See Appendix G for a copy of the Snow and Ice Control Plan. This plan will be reviewed and updated as necessary.

The following table represents a summary of the maintenance activities performed by the Street Division from October 2014–October 2015.

Nampa Street Division Stormwater Maintenance Summary October 2014–October 2015					
Date	Storm Drains	Catch Basins	Sand & Grease Traps	Line Feet Cleaned/Shot	Gallons Debris/Water
October 2014	2	132	40	N/A	25,120
November 2013	N/A	N/A	N/A	N/A	31,700
December 2014	0	1	34	7,947	80,550
January 2015	3	5	11	30,560	60,750
February 2015	3	28	69	5,164	37,400
March 2015	N/A	N/A	N/A	N/A	3,800
April 2015	N/A	N/A	N/A	N/A	N/A
May 2015	4	14	31	66	40,100
June 2015	N/A	N/A	N/A	N/A	N/A
July 2015	1	19	9	644	11,500
August 2015	0	48	5	2,335	14,540
September 2015	1	45	58	420	38,650
October 2015	4	289	42	2,497	34,000
<b>Totals</b>	<b>18</b>	<b>581</b>	<b>299</b>	<b>49,633</b>	<b>378,110</b>

N/A = Data unavailable.

The following table provides a summary of Street Division activities for FY 2015.

Nampa Street Division Activities October 2014–October 2015		
Activity	Type	Measurement
Drains, Basins, S&G	Man Hours	2,014 Hours
	OT	63.25 Hours
Sweeping	Man Hours	4,475 Hours
	OT	211 Hours
Alleys/Shoulders	Man Hours	445 Hours
	OT	3 Hours
Snow Removal	Man Hours	932.7 Hours
	OT	325.95 Hours
	Mag-Chloride	48,325 Gallons
	Salt 50 lb Bag	250 lbs
	Sand	2,584 Yards
Hip Sealing	Man Hours	3,648 Hours
	OT	15 Hours
	Chips	2,854 Yards
	Oil	282,035 Tons
	Fog Seal	51,627 Tons
Training	Man Hours	1,647 Hours

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

The City conducts appropriate training for municipal employees related to BMPs for protection of water quality. This training will be conducted at least once per year and addresses the municipal activities with the potential for negative water quality impacts.

### **Pollution Prevention/Good Housekeeping Training Conducted in Permit Year 6**

City employees play a key role in finding and preventing non-stormwater sources from getting into storm drains. Due to significant crossover in training programs, the City combined training efforts for the Pollution Prevention/Good Housekeeping and IDDE Programs. To encourage the detection and elimination of illicit discharges, trainings were provided to 13 City employees in October 2015. Due to the nature of their work, Public Works employees have historically been the target audience for the IDDE/Pollution Prevention training. However, in Permit Year 6 the focus of this training was expanded to departments outside of Public Works.

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 1 hour and were conducted at the location where the municipal activities were performed. Participants received a packet with an agenda and comment sheet. Participants were also

provided with pens showcasing the City Stormwater logo. If applicable, an informal tour of the workplace was performed to discuss training topics and corresponding environment

## Results

Thirteen City employees learned about IDDE/Pollution Prevention. After quizzes were taken, the correct answers were discussed with the attendees. Group discussion and comments indicated that a sufficient level of understanding on the basic IDDE and pollution prevention concepts was achieved.

Nampa Trainings Conducted October 2014–October 2015		
Division	Date	Number of Participants
Street Division	October 12, 2015	13

Street Division Training Conducted in FY 2014 October 2013–October 2014			
Types of Training	Number of Attendees	Date	Location
Traffic Control	3	15 Oct 14	Nampa, ID
ATTSA & MUTCD	3	15 Oct 14	Twin Falls, ID
Flagging Class	3	16 Oct 14	Nampa, ID
CDL Training	2	20–23 Oct 14	Nampa, ID
Backhoe Training	4	27–30 Oct 14	Nampa, ID
Diversity Training	24	27 Oct 14	Nampa, ID
Ether Wan Training	4	4 Nov 14	Nampa, ID
Roadway Materials	3	12 Nov 14	Nampa, ID
Pavement Maintenance I	3	13 Nov 14	Nampa, ID
Sweeper Training	2	17 Nov 14	Nampa, ID
Vactor Training	1	17 Nov 14	Nampa, ID
Confined Space	24	17 Nov 14	Nampa, ID
Pavement Management	1	8–10 Dec 14	Arizona
Snow Removal Training	24	7 Jan 15	Nampa, ID
CPR	3	17 Feb 15	Nampa, ID
Road Grader Class	4	3-5 Mar 15	Nampa, ID
Plant Mix Paving	3	10 Mar 15	Nampa, ID
IMSA	4	23 Mar 15	Nampa, ID
Basic Math	3	24 Mar 15	Nampa, ID

Street Division Training Conducted in FY 2014 October 2013–October 2014			
Types of Training	Number of Attendees	Date	Location
Basic Survey	3	25 Mar 15	Nampa, ID
ADA Compliance	2	2 Apr 15	Nampa, ID
Retro-Reflectivity	4	14 Apr 15	Nampa, ID
Iteris Training	3	14–15 Apr 15	Nampa, ID
Pavement Management II	4	16 Apr 15	Nampa, ID
Gravel Road Maintenance	4	20 Apr 15	Nampa, ID
Econolite/Cobalt Training	2	22–23 Apr 15	Nampa, ID
T2 Flagger Certification	3	29 Apr 15	Boise, ID
Siemens Controllers Training	4	29 Apr 15	Boise, ID
IMSA Certification	4	11 May 15	Portland, OR
Effective Communication	2 1	14 May 15 29 Sep 15	Nampa, ID Mt. Home, ID
Environmental BMP	2	18 May 15	Nampa, ID
Advanced Teamwork I	3	09 Jul 15	Boise, ID
Micro Paver Training	1	13 Jul 15	Colorado
Prepare to Lead	3	12–13 Aug 15	Boise, ID
Education and Training Services	2	14–18 Sep 15	Salt Lake City, ID

*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, Street, 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 Nampa WWTP SWPPP.

An evaluation of the WWTP indicated that all of the runoff from this facility is directed into the treatment plant's process system and treated under the conditions set forth in its NPDES Wastewater Discharge Permit #002206-3. All storm drains and catch basins located on-site return runoff rain water and/or wash down water 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.

## 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:

- 376.5 miles of roadway
- 133.52 miles of storm drain pipe
- 843 drainfields (underground)
  - drainfield (365), drainage pond (20), drainage system (1), dry well (13), infiltration window (7), seepage bed (437)
- 372 detention ponds (above ground)
  - detention pond (313), Retention Pond (59)
- 4,908 catch basins
- 2,523 manholes
- 1,343 sand and grease traps
- 221 culverts
- 1,719 inventoried outfalls (1,278 are 6 inches or larger)

During year 6 of the permit the City adopted a new approach to inventory and track assets. The numbers provided in this year's annual report are different than the numbers presented in previous reports because the approach and categories have changed.

## 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 Permit Year 6 included maintaining program operations and improvements to the program. Program components already initiated include O&M procedures and activities and municipal staff training. The following Pollution Prevention and Good Housekeeping activities will be implemented in future years for the Pollution Prevention and Good Housekeeping Program:

- Continue implementing the O&M 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 SWPPPs for the WWTP

## Proposed Changes to the SWMP

The Pollution Prevention and Good Housekeeping for Municipal Operations Plan and associated BMPs will be updated, as required. 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 ECD, under the direction of the Department of Public Works, is responsible for implementing the requirements set forth in the Pollution Prevention and Good Housekeeping for Municipal Operations minimum control measure. ECD staff will work with 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 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 and revised and updated it in 2013

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

- Permanent sample locations: Indian Creek, Mason Creek, and Wilson Drain
- City will continue stormwater sampling during Permit Year 7 as defined in the permit
- Results are included in the Annual Stormwater Monitoring Report WY 2015 (Appendix I)

*The permittee must develop a quality assurance plan 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 (Appendix F).

### Results of Data Collected

The EPA issued the City an NPDES permit (IDS-0281260) for stormwater discharge (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 2015 (November 1, 2014, through October 31, 2015).

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 2015 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. During WY 2015, no representative samples were collected during the September–October monitoring periods. However, supplemental samples were collected in December 2014 and were used to supplement monitoring data for the missing period.

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 three locations: Mason Creek, Wilson Creek, and the WWTP.

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).

The annual report is presented in Appendix I. This appendix also includes a summary of all monitoring requirements and pollutant loading estimates.

### **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 2016 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 ECD, under the direction of the Department of Public Works, is responsible for implementing the requirements set forth in Part IV Assessment and Monitoring compliance. ECD 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. 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. BMPs and measurable goals have been developed for each minimum control measure. 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 at pollutants of concern.** The City's public education and outreach program was developed and initiated in Permit Year 2. The program focuses 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 focus on how every citizen can help reduce pollutants of concern by participating in activities such as the following:

- Reduce fertilizer application (total phosphorus)
- Reduce and/or eliminate home car washing (total phosphorus)
- Clean up pet waste (bacteria)
- Follow proper ESC requirements (sediment) during household remodels

See Section 2.2 for details of specific public education and outreach activities completed in Permit Year 6.

**Measuring effectiveness.** The City has developed education and outreach relationships throughout the City. The bilingual stormwater initiative is engaging the Hispanic community and providing educational guidance for individual community members. This guidance provides the community with the knowledge to change behavior and support the reduction of pollutants of concern in stormwater. The Stormwater Advisory Group (SWAG) was developed to engage the community in developing the stormwater program. The partnership with the schools targets youth in the community and educates that population on stormwater pollution and what it can do to reduce pollution. The workshops with the development and construction communities provide an opportunity for City staff to discuss the importance of stormwater management and how each can contribute to the reduction of pollutants to waters of the U.S. These efforts are working on changing the community's behavior when dealing with stormwater.

The following is a self-analysis and current status of the City of Nampa’s measurable goals for each BMP (table is taken from the City of Nampa SWMP):

<b>Minimum Measure #1: Public Education and Outreach BMPs</b>		
<b>BMP: Formation of SWAG</b>		
Measurable Goals	Permit Year 6 Activities	General Information
Track the number of meetings held and the number of members in attendance	The SWAG met in Permit Years 1–4. Through program development and improvements, SWAG was not required to meet during Permit Year 6. The SWAG was invited to attend the ribbon cutting ceremony for the interpretive stormwater signage project.	An educational tip sheet that provides everyday behavior changes people can implement to reduce stormwater pollution was developed in both English and Spanish.
Provide meeting agendas and meeting minutes		
Provide copies of Issue Papers and other informational materials presented		
Compile input from the group on stormwater issues		
Evaluate SWAG process		
<b>BMP: Creation of educational materials</b>		
Measurable Goals	Permit Year 6 Activities	General Information
Compile lists of target audiences and possible activities for each	Outreach webinars, school-age education efforts, and the City-wide cleanup day.	Informational flyers regarding the post-construction program were distributed to the development and construction community. The purpose of the educational flyers was to continue educating the development and construction community about Nampa stormwater post-construction requirements.
Track the number of materials created and distributed	Conducted 18 outreach events	
Track the number of events attended with displays	Targeted 5,696 people during the outreach events.	
Track number of people at an event who saw the display or took a pamphlet/booklet	Details for the outreach events, including the total number of attendees for Permit Year 6 Stormwater Outreach Efforts is provided in Section 2 of this report.	
Track the numbers of visits to the Stormwater website to view educational materials	Over 1,418 people visited the stormwater and ECD website.	
<b>BMP: ECD website</b>		
Measurable Goals	Permit Year 6 Activities	General Information
Track the types of educational materials available on website	Details regarding the stormwater webpage for Permit Year 6 Stormwater Outreach Efforts are provided in Section 2 of this report.	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.
List events for public participation	Events are listed in Section 2 of this report.	
Track the number of visits to the website to view educational materials	Over 1,418 people visited the stormwater and ECD website.	
<b>BMP: Distribution of press releases</b>		
Measurable Goals	Permit Year 6 Activities	General Information
Track the number of public service announcements made on radio and TV	Radio and TV announcements were not used during Permit Year 6.	The City uses press releases to inform the community about upcoming events, accomplishments, and new programs.
Track the number of stormwater-related press releases	Two press releases were sent for the Stormwater Community Cleanup Day.	
Track the number of stormwater-related articles published	An article about the Stormwater Program’s efforts to reach out to underserved communities was published in Storm Water Solutions Magazine.	

**Minimum Measure #1: Public Education and Outreach BMPs**

**BMP: Educational programs for target audiences**

Measurable Goals	Permit Year 6 Activities	General Information
Track the number of educational materials distributed to target audiences	Education materials were handed out through the Hispanic Outreach Program.	An ad promoting participation in the Community Cleanup Day event was placed in the Spring and Fall activity guides at the Nampa Recreation Center.  The City engaged the engineering and development communities to inform them about the Post-Construction program.
Track the number of workshops held for target audiences	Details for the outreach events and total number of attendees for 2014–2015 for Permit Year 6 Stormwater Outreach Efforts are provided in Section 2 of this report.	
Track the number attending trainings or workshops		

**BMP: Minority outreach programs**

Measurable Goals	Permit Year 6 Activities	General Information
Track the number of brochures/posters/displays created in Spanish	Various brochures and informational pamphlets were handed out at various outreach efforts. See section 2 of this report for details of efforts.	The City Renewed its partnership with the NSD to include stormwater-related education in classroom curriculum. The NSD is continuing to actively educate students about stormwater.  The ECD maintained an interpretive signage project in a local park. The purpose of the interpretive signage project is to educate Hispanic residents and visitors about how stormwater is interrelated with Indian Creek and other water bodies. The interpretive signage is bilingual and includes information about the local watershed; how to protect water quality from urban runoff; and how to prevent sediments and other pollutants from washing off into nearby streams, rivers, lakes, and coastal waters. This project was funded through the EPA Urban Waters Program and Environmental Justice grants.  A presentation titled “Public Education and Outreach - Thinking Outside the Box” was made at the PNCWA Conference on October 5, 2015.  The City of Nampa Stormwater Coordinator/ Environmental Compliance Superintendent received the Certified Municipal Separate Storm Sewer System Specialist certification in August 2014.
Track the number of partnerships established with minority organizations		
Track attendance at workshops or public meetings held in low-income or minority neighborhoods		
Track the number of educational materials distributed to low-income neighborhoods		

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

**Activities targeted at pollutants of concern.** The City’s public involvement/participation program was developed and initiated in Permit Year 2. The program focuses on ways to address pollutants of concern in specific ways. For example, during Permit Year 6, 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 City raised awareness on water quality issues including those surrounding total phosphorus, sediment, and *E. coli*. The City has already participated in this activity in the past and has some success in developing support for the program within the community. The City continued to involve the existing Nampa SWAG 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 Permit Year 6.

**Measuring effectiveness.** The cleanup day, education curriculum, MOU with the NSD, and City website, are methods for participating in the community to help reduce pollutants of concern to the MEP. The website provides an opportunity for the community to submit complaints/questions about managing

stormwater to City staff. By providing involvement and participation opportunities for the public, the City is informing staff and the community about the concerns of stormwater pollutants. The involvement component helps to provide the community with opportunities to individually improve stormwater quality. These efforts support changing behavior for managing pollutants associated with stormwater runoff both with City staff and with the community.

The following is a self-analysis and current status of the City of Nampa’s measurable goals for each BMP (table is taken from the City of Nampa SWMP):

<b>Minimum Measure #2: Public Involvement and Participation BMPs</b>		
<b>BMP: Post all SWMP information on the Stormwater website</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information</b>
Develop a Stormwater website to post SWMP information	A stormwater webpage has been developed and used through Permit Year 6.	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.
Maintain the website on a regular basis to provide up-to-date information	Regular webpage maintenance.	
Post SWMP, Annual Reports, and other related information	Posted 2010–2014 Annual Reports and supporting documents including SWMP, Stormwater Monitoring Plan, and QAP. The 2015 Annual Report and supporting documents will be posted upon completion.	
Post public involvement opportunities such as public meetings and hearings	Public information was posted on the stormwater webpage during Permit Year 6.	
<b>BMP: Engage interested parties in developing the SWMP</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information</b>
Formation of a Nampa SWAG <ul style="list-style-type: none"> <li>Track the number of meetings held and the number of members in attendance</li> <li>Provide copies of meeting agendas and meeting minutes</li> <li>Provide copies of Issue Papers and other informational materials presented</li> <li>Compile input from the group on stormwater issues</li> <li>Track results of evaluation of SWAG process</li> </ul>	The SWAG met in Permit Years 1–4. Through program development and improvements, the SWAG was not required to meet during Permit Year 6. However, the SWAG was invited to attend the ribbon cutting ceremony, which unveiled the bilingual signage shelter placed in City Acres Park in 2014.	Continued efforts to educate and engage 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 NSD partnered with the City and has continued 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 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. High school and middle school lesson plans were approved, and the elementary school lesson plans are being further evaluated to meet new Common Core Standards. NSD hosted its third annual Water Education Day. The event was focused on water quality through pollution prevention. Educational booths included an edible aquifer station, water pollution demonstration, groundwater models from the IDEQ, and a City stormwater education booth. This event was planned in conjunction with the Nampa Parks and Recreation Department’s Unplug and Be Outside Week.
Hold public meetings to receive input on the SWMP <ul style="list-style-type: none"> <li>Track the number of meetings held and the number in attendance</li> <li>Provide the topic of the public meeting and any input received</li> </ul>	During Permit Years 1–2, the City solicited input on the development of the SWMP.	
Formation of the Canyon County Stakeholders Group (comprised of representatives from eight local MS4 permit holders) <ul style="list-style-type: none"> <li>Track the number of meetings held and the number of members in attendance</li> <li>Provide copies of meeting agendas</li> <li>Track the partnerships formed and activities pursued</li> </ul>	The Canyon County Stakeholders Group met during the first few years of the permit cycle. Through program development and improvements, the group was not required to meet during Permit Year 6.	

Minimum Measure #2: Public Involvement and Participation BMPs		
BMP: Conduct meetings with City Council		
Measurable Goals	Permit Year 6 Activities	General Information
Conduct at least one meeting per year with City Council and the public regarding SWMP implementation	The Nampa City Council was presented a summary of the FY 2014 stormwater program activities on January 5, 2015.	Periodic staff reports were presented to the City Council to provide updates on stormwater management program progress.
Conduct Special Workshops with City Council as necessary regarding Stormwater activities	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. City Council meetings are held every two weeks throughout the year.	
BMP: Organize and promote Community Cleanup Day		
Measurable Goals	Permit Year 6 Activities	General Information
Track the number of event participants	In Permit Year 6, 45 community members participated in the event.	Public involvement and participation efforts included the fifth annual Community Cleanup Day held September 26, 2015. This event provided an opportunity for community members to remove trash from gutters and storm drains that feed into 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, participating in educational activities, and holding an appreciation lunch to thank all volunteers. Since this annual event first began, word of this project has spread, and the ECD had students from Nampa High School, Northwest Nazarene University, and people from the Hispanic community show interest in participating in this event.
Track the quantity of waste collected as a result of cleanup efforts	Collected five bags of garbage.	
Track the number of stream miles cleaned	Approximately 5 miles of stream and neighborhood MS4 areas were cleaned up during Permit Year 6 Community Cleanup Day.	
Track water quality at the stream sites	Water quality discharge monitoring is located in the Annual Discharge Monitoring Report.	

### 3.3 Minimum Measure #3: IDDE

**Activities targeted at pollutants of concern.** The City’s IDDE program was developed and implemented in Permit Year 3 and has been in operation through Permit Year 6. 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 public involvement/participation activities completed in Permit Year 6.

**Measuring effectiveness.** IDDE is an important part of the overall SWMP and is a requirement of the MS4 permit. Under the IDDE program, the City conducts dry weather screening and responds to complaints from the stormwater webpage and stormwater hotline regarding illicit discharges. Pollutants of concern are reduced when identified irrigation flows can be redirected or turned off. Response to complaints, training and educational materials, and storm drain marking have an impact on all target pollutants including some non-target pollutants such as oil, car washing detergents, paint washout, and yard waste. Additionally, the pet pickup stations also have a direct impact on *E. coli*.

The following is a self-analysis and current status of the City of Nampa’s measurable goals for each BMP (table is taken from the City of Nampa SWMP):

<b>Minimum Measure #3: IDDE BMPs</b>		
<b>BMP: Stormwater collection system inventory and mapping</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information</b>
Provide a map of all of the stormwater collection assets within city limits	The comprehensive map is included in Appendix G.	The comprehensive storm sewer system map was updated on a continual basis. City staff continued field verification activities on 1,719 City outfalls to confirm ownership, 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.
Provide details of inventory such as pipe diameter	The City updated outfall inventory (1,719 outfalls).	
Update the comprehensive storm system map on a regular basis to reflect changes to the system	The comprehensive MS4 map was updated to reflect information gathered during WY 2015.	
<b>BMP: Discharge detection and elimination program</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information</b>
Track number of reported spills	Compiled data on spills and illicit discharges. Stormwater group responded to complaints (61). Street Division responded to complaints (71). City responded to 132 stormwater-related incidents, while Permit Year 5 had 149.	The City continued implementing the IDDE Program and further developed the information management database designed to track the activities and actions of the IDDE Program. The Report a Spill webpage and stormwater hotline were monitored and maintained for community use/input. The City continued employee training programs.
Track number of illicit discharges detected and eliminated	Outcomes of illicit discharge responses have been recorded on response sheets.	
Track number of City employees attending training events	Conducted an employee training (1 session, 13 employees).	
Track trends in sources of illicit discharges	Illicit discharge data is being compiled to identify trends.	
<b>BMP: Prohibition of non-stormwater discharges</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information</b>
Review and update existing policies and ordinances to reflect permit requirements	Ordinances including enforcement provisions are still in line with Permit requirements.	Specific ordinances are in place to prohibit illicit discharges and to outline enforcement and escalation procedures for violations.
Create new ordinances or policies to ensure proper compliance with permit requirements	Ordinances including enforcement provisions are still in line with Permit requirements.	
<b>BMP: Public Education Associated with Illicit Discharges</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information</b>
Track number of flyers, posters, press releases, or other educational tools distributed	Distributed educational materials covering eight different topics. Marked storm drains. Maintained 32 pet pick-up stations. Developed five site-specific posters on IDDE to be placed in City buildings and local stores.	The City distributed IDDE informational fact sheets and posters to target audiences and conducted or participated in multiple community outreach events.



<b>Minimum Measure #3: IDDE BMPs</b>		
<b>BMP: Dry weather outfall screening</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information</b>
Track number of outfalls monitored for dry weather flows	Conducted dry weather screening (110 outfalls).	The City continued to perform dry weather screening on city-owned stormwater outfalls toward the goal of 20% of outfalls screened by the end of year five.
Evaluate parameters measured for trends in illicit discharges	Noted water quality observations on field forms.	
Track number of outfalls discharging irrigation/agricultural flows	Noted irrigation flows on field forms.	
<b>BMP: Inventory of industrial discharges</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information</b>
Track number of industrial facilities discharging directly to the MS4	Updated industrial facilities inventory (126 facilities).	The City reviewed and updated the inventory of industrial facilities for all requested facilities that discharge to the MS4 or directly to waters of the U.S.

### 3.4 Minimum Measure #4: Construction Site Stormwater Runoff Control

**Activities targeted at pollutants of concern.** The City’s Construction Site Stormwater Runoff Control program implements several activities that target pollutants of concern. Because of this program, the City is making significant progress in educating contractors and, therefore, reducing sediment loading to waters of the United States. The City’s ESC program includes training requirements for contractors, such as the requirement, to have a certified Responsible Person assigned to a project. Other items of the program include formal permitting of projects disturbing more than 1 acre of soil within the City limits, review and approval of project SWPPPs, and an enforcement program that includes on-site inspection and consequences for non-compliance. All of these activities have been and will continue to focus on reducing sediment loading to receiving waters within the urbanized area.

**Measuring effectiveness.** Runoff from construction sites can contribute large quantities of sediment to receiving waters. Excess pollutants in construction site runoff often result from improper BMP usage and installation and inadequate management practices. Distributing educational materials, issuing ESC permits, and conducting plan reviews have helped to increase the number of sites on which the controls and practices in place are sufficient to address the targeted pollutants of concern. Inspections and enforcement actions increase program and BMP effectiveness through correcting issues, providing further education and guidance, and tracking trends in stormwater pollution from construction activities. These construction site stormwater runoff measures help change the behavior within the construction community to support in the reduction of stormwater pollutants. In addition, the oversight associated with proper installation and operation results in effective treatment of stormwater from the site.

The following is a self-analysis and current status of the City of Nampa’s measurable goals for each BMP (table is taken from the City of Nampa SWMP):

**Minimum Measure #4: Construction Site Stormwater Runoff BMPs**

**BMP: Provide adequate direction to project proponents regarding the EPA CGP**

Measurable Goals	Permit Year 6 Activities	General Information
Track number of informational flyers distributed to target groups	Flyers were made available through multiple avenues including online.	The City provides information regarding the CGP using multiple methods. To ensure the CGP is considered and ESC permit applicants are aware of CGP requirements, the City uses separate ESC permit applications for projects greater than 1 acre. The ESC permit application for projects greater than 1 acre includes information about the CGP and requires a copy of the CGP SWPPP and the CGP tracking number for each project.
Track number of target groups receiving CGP information	Requirements were presented to all ESC permit applicants for projects greater than 1 acre.	
Track volume of visits to Stormwater website in regards to CGP information	Website volume was monitored during WY 2015.	

**BMP: Publish and distribute written requirements for construction site BMPs**

Measurable Goals	Permit Year 6 Activities	General Information
Track the number of informational flyers distributed to target groups	Flyers were made available through multiple avenues including online.	The City maintains a bilingual Construction Site Runoff Program page on the Stormwater website and provides program information, educational materials, permit applications, and an opportunity to provide input on construction-related projects in multiple formats.
Track the number of target groups receiving BMP information	Requirements were presented to all ESC permit applicants.	
Track the volume of visits to Stormwater website in regards to BMP information	Website volume was monitored during WY 2015.	
Track the number in attendance at BMP training workshops	BMP information was distributed through plan review meetings, inspections, and the stormwater webpage.	

**BMP: Review/update as necessary, procedures for reviewing site plans and accepting public input**

Measurable Goals	Permit Year 6 Activities	General Information
Track the number of site plans reviewed for stormwater runoff control	Reviewed commercial plans (230).	The City offers a free educational opportunity called Conceptual Plan Review for commercial builders, developers, and property owners to meet with City staff from various departments to discuss local stormwater codes and requirements for their projects. The City reviews construction plans for appropriate site-specific BMPs utilizing a plan review checklist. Public input is also solicited through the website and distributed materials.
Track the amount and type of public input received in regards to proposed construction projects	Tracked and considered public input .	
Track the amount and type of public input incorporated into approved ESC plans	Tracked and considered public input in plan review.	

**BMP: Implement site inspection and enforcement procedures**

Measurable Goals	Permit Year 6 Activities	General Information
Track the number of ESC permit applications received	Issued ESC Permits (630).	City staff conduct scheduled and unscheduled inspections. Large construction projects (> 5 acres) are inspected at least once per construction season. Inspection frequencies for smaller projects vary throughout the year based on number of ESC permits issued and prioritization criteria. Enforcement procedures are carried out as necessary.
Track the number of site inspections performed	Conducted site inspections (61).	
Track the number and type of enforcement actions performed	Carried out enforcement actions (1).	

**BMP: Inspect all construction sites 5 acres or more at least once per construction season**

Measurable Goals	Permit Year 6 Activities	General Information
Track the number of ESC permits issued for projects greater than 5 acres in size	Construction projects disturbing more than 5 acres (21).	City staff conduct scheduled and unscheduled inspections on all construction sites including those disturbing more than 5 acres. Large construction projects (greater than 5 acres) are inspected at least once per construction season.
Track the number of sites greater than 5 acres in size inspected during the construction season	Tracked inspections of projects disturbing more than 5 acres.	
Track the number of enforcement actions performed on projects greater than 5 acres	Enforcement actions taken on projects disturbing more than five acres were tracked.	



<b>Minimum Measure #4: Construction Site Stormwater Runoff BMPs</b>		
<b>BMP: Develop a written policy identifying how construction sites disturbing less than 5 acres will be prioritized for inspection</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information</b>
Track the number of construction sites less than 5 acres in size	Construction projects less than 5 acres (613).	City staff conducted scheduled and unscheduled inspections on prioritized small construction projects (less than 5 acres). Small construction projects were evaluated against prioritization criteria to determine inspection schedules.
Track the number of inspections on sites less than 5 acres in size	Inspections on construction projects less than 5 acres (364).	
Track the number of sites inspected in each category of the prioritization list	Construction projects less than 5 acres were prioritized based on established criteria.	
<b>BMP: Ensure all permittee-owned construction projects comply with the EPA's CGP</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information</b>
Track the number of municipal construction projects	Municipal construction projects (6).	In addition to following local ESC requirements, municipal projects in WY 2015 obtained authorization to discharge through the CGP for projects greater than 1 acre and adhered to CGP requirements.
Track the number of ESC permits issued for municipal construction projects	ESC permits for municipal projects (6).	
Track the number of enforcement actions issued for municipal construction projects	Enforcement actions on municipal projects (0).	
Track the number of municipal employees in attendance at ESC training workshops	Attendance of City employees at ESC training workshops.	
Track the number of municipal employees holding ESC certifications	City employees holding ESC certifications.	

### 3.5 Minimum Measure #5: Post-Construction Stormwater Management

**Activities targeted at pollutants of concern.** The City’s PCSWMP was developed in Permit Year 4 and continued with implementation through Permit Years 5 and 6. 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 PCSWMP and its effectiveness in managing pollutants of concern occurred in Permit Year 5 of the program, this effort was continued in Permit Year 6.

**Measuring effectiveness.** Post-construction stormwater management controls provide long-term stormwater management solutions. Proper design, installation, and maintenance help to improve the effectiveness of these controls on reducing stormwater impacts to waters of the U.S. By developing guidance for post-construction stormwater management, the City is providing the community with information that will help to reduce the impacts of stormwater pollution. In order for these long-term solutions to remain relevant, they must be maintained and inspected to ensure proper functionality. This program works to address this component of post-construction stormwater management. This program works to educate planners on expectations of long-term stormwater management, which will result in practices to increase the effectiveness of stormwater BMPs.

The following is a self-analysis and current status of the City of Nampa’s measurable goals for each BMP (table is taken from the City of Nampa SWMP):

<b>Minimum Measure #5: Post-Construction Stormwater Management BMPs</b>		
<b>BMP: Develop and implement a program to address post-construction stormwater runoff from new development and redevelopment projects</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information</b>
Number of proposed projects reviewed for post-construction requirements	New and redevelopment projects were reviewed by the Planning and Zoning Division, Engineering Division, and the ECD.	The City updated the PCSWMP in Permit Year 5 in order to quantify the current City practices and outlined future actions that will be implemented by the City.  The City outlined PCSWMP future actions including updates to the Engineering Policy Manual to more clearly delineate roles and responsibilities between heavy and light maintenance, contractor O&M Plan submittal requirements, guidance for long-term stormwater infrastructure O&M, and an inspection program for structural control BMPs.
Number and type of inspections performed to ensure compliance with post-construction requirements	The Nampa Street Division Stormwater Maintenance Summary Table provides a list of all O&M activities performed on stormwater infrastructure.	
The number of problems identified and remedied	The Nampa Street Division Stormwater Maintenance Summary Table provides a list of all O&M activities performed on stormwater infrastructure.	
Which zone of the Public Works Asset Management Program was addressed	The City is progressing through seven asset management zones, one zone per year.	
<b>BMP: Adopt an ordinance to address post-construction runoff from new development and redevelopment projects</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information</b>
Updates made to existing ordinances addressing post-construction requirements	In Permit Year 6, the City actively worked on implementing the City of Nampa Engineering Policy Manual to more clearly delineate roles and responsibilities between heavy and light maintenance, and O&M for permanent structural controls.  The City's Engineering Design and Construction Guidance documents will be revised to clearly designate long-term O&M of structural BMPs and outline an inspection program of structural control BMPs (private and public facilities).	The City continues to work towards updates to the Engineering Policy Manual to more clearly delineate roles and responsibilities between heavy and light maintenance, contractor O&M Plan submittal requirements, guidance for long-term stormwater infrastructure O&M, and an inspection program for structural control BMPs.
Creation of any new ordinances addressing post-construction requirements	PCSWMP was developed in Permit Year 4. Plan provides an overview of City policies and guidance manuals for post-construction stormwater BMPs.	
<b>BMP: Ensure proper long-term O&amp;M of all post-construction stormwater BMPs</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information:</b>
Type and number of post-construction BMPs maintained	Four major stormwater-related improvements were performed during the last permit year.	
Volume of debris and water removed during maintenance activities	378,110 gallons of water/debris were removed during maintenance activities in Permit Year 6.	
Summary of the activities performed under the Public Works Asset Management Program	The following O&M activities occurred during Permit Year 6: drains/basins/S&G traps maintenance, street sweeping, alley/shoulder maintenance, snow removal.	
<b>BMP: Develop and implement a site plan review process for new development and redevelopment projects</b>		
<b>Measurable Goals</b>	<b>Permit Year 6 Activities</b>	<b>General Information</b>
Number and type of plan reviews performed on projects of proposed new development and redevelopment projects	New and redevelopment projects were reviewed by the Planning and Zoning Division, Engineering Division and the ECD.	
Updates made to the current post-construction plan review process	No updates were made to the conceptual plan review and project development plan review process in Permit Year 6. The City continued efforts established in Permit Year 1-5.	

**Minimum Measure #5: Post-Construction Stormwater Management BMPs**

**BMP: Develop and implement a site inspection program to ensure proper installation and long term operation and maintenance of post-construction stormwater management controls**

Measurable Goals	Permit Year 6 Activities	General Information
Number and type of inspections performed on post-construction BMPs	The Engineering Division performs inspections on post-construction BMPs.	
Updates made to current post-construction inspection process	No updates were made to the City of Nampa's post-construction BMP inspection process.	
Summary of the activities performed under the Public Works Asset Management Program	The following O&M activities occurred during Permit Year 6 under the Asset Management Program: drains/basins/sand and grease traps maintenance, street sweeping, alley/shoulder maintenance, snow removal.	

**BMP: Educate the development community on appropriate design, O&M of stormwater facilities, and vegetative practices**

Measurable Goals	Permit Year 6 Activities	General Information
The number of materials created and distributed regarding post-construction requirements	Ordinances, permits and information about erosion and sediment control are available on the ECD website.	ECD Adopted closed circuit TV inspection requirements for new stormwater lines.  Attendees of the 2014 post construction workshop were emailed a flier detailing BMPs on October 14, 2014.
The number of workshops attended by members of the development community	Email addresses of the 2014 post construction workshop attendees were collected by ECD and a flier detailing BMP's was sent out to participants in October 2015.	
The numbers of visits to the Stormwater website to view post-construction materials		

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

**Activities targeted at pollutants of concern.** The City's pollution prevention and good housekeeping program was developed in Permit Year 4 and has been implemented throughout Permit Year 6. Current BMPs implemented by municipal personnel target the pollutants of concern by removing them from the storm drainage system. The City of Nampa's Pollution Prevention and Good Housekeeping Plan outlines the procedures to mitigate and reduce potential pollutant runoff from municipal operations

**Measuring effectiveness.** Municipalities conduct numerous activities that can pose a threat to water quality if practices and procedures are not in place to prevent pollutants from entering the MS4. These activities include winter road maintenance, minor road repairs and other infrastructure work, automobile fleet maintenance, landscaping and park maintenance, and building maintenance. Municipalities also conduct activities that remove pollutants from the MS4 when performed properly, such as parking lot and street sweeping and storm drain system cleaning. Municipalities can also be the source of stormwater pollutants if BMPs are not in place to contain spills, manage trash and debris, and handle non-stormwater discharges. Therefore, the City has developed SOPs for these types of situations to make sure that it minimizes the impact of operations to stormwater quality. The Pollution Prevention and Good Housekeeping Plan provides internal guidance for reducing the impacts of operations on stormwater emanating from the MS4.

The following is a self-analysis and current status of the City of Nampa's measurable goals for each BMP (table is taken from the City of Nampa SWMP):

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

**BMP: Develop and implement an O&M program intended to prevent or reduce pollutant runoff from municipal operations (by various departments/divisions within the City)**

Measurable Goals	Permit Year 6 Activities	General Information
<p>BMP Inspection and Maintenance</p> <ul style="list-style-type: none"> <li>Track the frequency of inspection and maintenance activities                             <ul style="list-style-type: none"> <li>Storm drains, catch basins, sand and grease traps</li> <li>Street sweeping activities</li> <li>Parks, golf courses, and other open spaces</li> <li>Snow removal practices and the use of sand and deicers</li> <li>Fleet maintenance activities and vehicle washing operation</li> <li>Materials storage including hazardous materials</li> </ul> </li> <li>Track the number of problems that were identified and remedied</li> <li>Status of BMP inventory program</li> <li>Evaluate existing inspection procedures</li> </ul>	<p>The Nampa Street Division Stormwater Maintenance Summary Table provides a list of all O&amp;M activities performed on stormwater infrastructure during Permit Year 6 activities.</p>	<p>Continued development and implementation of the Pollution Prevention and Good Housekeeping for Municipal Operations Program targeting municipal activities with the potential to impact stormwater runoff.</p> <p>The city continued education and outreach efforts regarding the Pollution Prevention and Good Housekeeping for Municipal Operations Program targeting municipal activities with the potential to impact stormwater runoff.</p>
<p>O&amp;M procedures relevant to municipal operation activities</p> <ul style="list-style-type: none"> <li>Evaluate existing O&amp;M procedures relevant to municipal operations</li> <li>Develop and implement O&amp;M procedures for relevant activities</li> </ul>	<p>The City has developed an O&amp;M program that includes approximately 14 Stormwater SOPs. In addition, several other City Departments/Divisions have developed BMPs or SOPs that address municipal activities that may have an adverse impact on stormwater.</p>	
<p>Develop recordkeeping system for O&amp;M procedures</p> <ul style="list-style-type: none"> <li>Evaluate existing O&amp;M recordkeeping system</li> <li>Modify existing system or implement new system for adequate recordkeeping</li> <li>Frequency of maintenance and update of recordkeeping system</li> </ul>	<p>The City has evaluated the current record keeping system. O&amp;M records are retained by the Street Division and are maintained and updated on a monthly basis per O&amp;M activities.</p>	

**BMP: Develop and conduct appropriate training for municipal personnel**

Measurable Goals	Permit Year 6 Activities	General Information
<p>Number and type of educational materials distributed to municipal employees</p>	<p>Packets of information containing an agenda, comment sheet, and quiz were distributed during training sessions. In addition, a training/educational video was watched by all attendees.</p>	<p>The city surveyed relevant departments'/divisions' existing procedures or BMPs for municipal operations that may have an impact on stormwater pollution.</p>
<p>Type and frequency of training workshops available to municipal employees</p>	<p>Five training sessions were held during Permit Year 6.</p>	
<p>Number of municipal employees in attendance at training events</p>	<p>Seventy-four City employees learned about IDDE/Pollution Prevention.</p>	
<p>Educational materials available to municipal employees on Stormwater Division webpage</p>	<p>City employees have access to the ECD webpage for additional stormwater information.</p>	

**BMP: Prepare SWPPPs for the fleet maintenance, street department site, and WWTP**

Measurable Goals	Permit Year 6 Activities	General Information
<p>Evaluate industrial activities conducted by Vehicle Maintenance, Street, and Wastewater Divisions</p>	<p>SWPPPs have been developed and required activities/inspections have been performed for the Fleet and Vehicle Maintenance and Street Divisions.</p>	
<p>Develop and implement site-specific Stormwater Pollution Prevention Plans (SWPPP) for Vehicle Maintenance, Street, and Wastewater Divisions.</p>	<p>SWPPPs have been developed for the Fleet and Vehicle Maintenance and Street Divisions. In Permit Year 6, the Wastewater Division SWPPP was developed.</p>	

## Section 4

# Other Required Documents and Reports

**Stormwater Management Plan (Revised 2015):** 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 2015:** 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



## Appendix A: Stormwater Acronyms

---

### List of Stormwater Acronyms:

<b>BMP:</b>	best management practice
<b>CFR:</b>	Code of Federal Regulations
<b>CGP:</b>	Construction General Permit
<b>CWA:</b>	Clean Water Act
<b>ECP:</b>	Erosion Control Plan
<b>ESC:</b>	erosion and sediment control
<b>EPA:</b>	Environmental Protection Agency
<b>FY:</b>	fiscal year
<b>IDDE:</b>	Illicit Discharge Detection and Elimination
<b>IDEQ:</b>	Idaho Department of Environmental Quality
<b>MEP:</b>	maximum extent practicable
<b>MOU:</b>	memorandum of understanding
<b>MS4:</b>	Municipal Separate Storm Sewer System
<b>NSD:</b>	Nampa School District
<b>NWS:</b>	National Weather Service
<b>NPDES:</b>	National Pollutant Discharge Elimination System
<b>O&amp;M:</b>	operations and maintenance
<b>PCSWMP</b>	Post-Construction Stormwater Management Plan
<b>P.E.</b>	professional engineer
<b>SOP:</b>	standard operating procedure
<b>SWAG:</b>	Stormwater Advisory Group
<b>SWMP:</b>	Storm Water Management Plan
<b>SWPPP:</b>	Storm Water Pollution Prevention Plan
<b>QAP:</b>	Quality Assurance Plan
<b>WAG:</b>	Watershed Advisory Group
<b>WWTP:</b>	wastewater treatment plant
<b>WY:</b>	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 firefighting 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: 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**

---



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

---





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

---



## **Appendix F: Quality Assurance Plan**

---



## Appendix G: Copies of Additional Materials

---

- Educational and outreach Materials
- Stormwater System Maps
- Other Stormwater Documents
- ESC Prioritization Criteria
- Spill Response Plan
- Street Division Snow and Ice Plan
- Nampa Annexation Map
- Nampa Wastewater Treatment Plant SWPPP



## **Educational and Outreach Materials**

---





## **Stormwater System Maps**

---



## **Other Stormwater Documents**

---



## **ESC Prioritization Criteria**

---



## **Spill Response Plan**

---





## **Street Division Snow and Ice Plan**

---



## **Nampa WWTP SWPPP**

---



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

---



## **Appendix I: Annual Stormwater Monitoring Report WY 2015**

---





## **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**

---



