



City of
Coeur d'Alene
IDAHO

2015 NPDES ANNUAL REPORT

January 01, 2015 to December 31, 2015

Municipal Separate Storm Sewer System (MS4)

Federal Storm Water

National Pollutant Discharge Elimination System Permit
(IDS-028215)

Submitted To:

United States Environmental
Protection Agency
NPDES Compliance Unit
1200 6th Avenue, Suite 900 (OCE-133)
Seattle, Washington 98101

&

Idaho Department of Environmental Quality
Coeur d'Alene Regional Office
2110 Ironwood Parkway
Coeur d'Alene, Idaho 83814

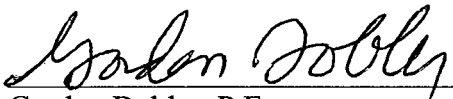
Submitted By:

City of Coeur d'Alene
710 E. Mullan Avenue
Coeur d'Alene, Idaho 83814

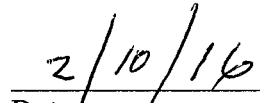
Report Certification

City of Coeur d'Alene NPDES Municipal Separate Storm Sewer System Annual Report for Permit Year 2015

"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 gather and evaluate 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."



Gordon Dobler, P.E.
City Engineer



Date

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Permit Part	SWMP Activity Summary	
General Requirements - Summary		
Part II.C	Submit written description of how SWMP actions are targeted to control the discharge of pollutants of concern, and how permittee will evaluate the effectiveness of those actions	One year from permit effective date, update annually thereafter
Part II.D and IV.C	Conduct an annual review of SWMP implementation and submit an Annual Report to EPA and IDEQ	February 15 of each year, beginning in 2010
Part IV.A	Develop a Quality Assurance Plan for storm water discharge monitoring, provide written notice to EPA and IDEQ	Within 270 days of permit effective date
	Begin monitoring	18 months from permit effective date
Public Education and Outreach (40 CFR §122.34(b)(1)) Pages 1-8		
Part II.B.1	Implement an ongoing public education program to educate the community about the impacts of storm water discharges on local water bodies and the steps that citizens and businesses can take to reduce pollutants in storm water runoff. (II.B.1.a)	Two years from effective date of this permit
	Distribute storm water educational materials to target audiences (II.B.1.b)	At least once per year
	Distribute SWMP information to local media (II.B.c)	At least once per year
Public Involvement and Participation (40CFR §122.34(b)(2)) Pages 9-10		
Part II.B.2	Post all SWMP documentation and Annual Reports on the permittee' s website (II.B.2.b)	Two years from permit effective date, ongoing thereafter
	Organize and promote Adopt a Street and Litter Pick Up Day(s) (II.B.2.c)	Once per year, each program
	Conduct public forum regarding SWMP activities (II.B.2.d)	At least once annually
	Create, maintain, and promote a telephone hotline; track complaints (II.B.2.e)	Within three years, ongoing thereafter
	Organize and conduct a storm drain stenciling program.	Within one year of the effective date of this permit
	At least 100 storm drains stenciled per year (II.B.2.f)	Within two years of permit effective date, ongoing thereafter

Illicit Discharge Detection and Elimination (40 CFR §122.34(b)(3)) **Pages 11-14**

Part II.B.3	Development, implement and enforce a program to detect and eliminate illicit discharges into the MS4 (II.B.3.a)	Two years from the permit effective date
	Adopt an ordinance or other control measure to prohibit illicit discharges to the MS4(s); prohibit any specific non-storm water discharge, if necessary (II.B.3.b & c)	Two years from the permit effective date
	Develop/update a comprehensive storm sewer system map (II.B.3.d)	Two years from the permit effective date
	Inform public employees, businesses and the general public of hazards associated with illegal discharges and improper disposal of waste (II.B.3.e)	Two years from the permit effective date
	Screen 50% of outfalls for dry weather flows. (II.B.3.f)	No later than permit expiration date
	Inventory the industrial facilities discharging storm water within the Urbanized Area (II.B.3.g)	Three years from the permit effective date

Construction Site Storm Water Runoff (40CFR §122.34(b)(4)) **Pages 15-19**

Part II.B.4	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 (II.B.4.a)	Two years from the permit effective date, ongoing thereafter
	Provide adequate direction to project proponents regarding the EPA Construction General Permit (II.B.4.b)	Upon permit effective date
	Adopt an ordinance or other control measure to require construction site operators to practice erosion, sediment and waste control (II.B.4.c)	Two years from the permit effective date
	Publish and distribute written requirements for construction site best management practices (II.B.4.d)	Two years from the permit effective date
	Develop, or review/update as necessary, procedures for reviewing pre-construction site plans & accepting public input and complaints (II.B.4.e & f)	Two years from the permit effective date
	Implement site inspection & enforcement procedures. Inspect all construction sites at least once per construction season. (II.B.4.g)	Two years from the permit effective date
	Ensure all permittee-owned construction projects comply with EPA's Construction General Permit (II-B.4.h)	Upon permit effective date
	Conduct at least one training for construction industry (II.B.4.i)	Three years from the permit effective date

Post-Construction Storm Water Management (40 CFR §122.34(b)(5))		Pages 20-22
Part II.B.5	Develop and implement a program to address post-construction storm water runoff from new development and redevelopment projects (II.B.5.a)	Three years from the permit effective date
	Adopt an ordinance to address post-construction runoff from new development and redevelopment projects (II.B.5.b)	Three years from the permit effective date
	Ensure proper long term operation and maintenance of post construction storm water BMPs. (II.B.5.c)	Three years from the permit effective date
	Develop and implement a site plan review process and site inspection program to ensure proper installation and long-term operation and maintenance of post-construction storm water management controls (II.B.5.d)	Four years from the permit effective date
Pollution Prevention/Good Housekeeping (40 CFR§122.34(b)(6))		Pages 23-28
Part II.B.6	Develop and implement an operation and maintenance program intended to prevent or reduce pollutant runoff from municipal operations (II.B.6.a)	Two years from the permit effective date
	Develop and conduct appropriate training for municipal personnel (II.B.6.b)	Two years from the permit effective date, annually thereafter
	Prepare storm water pollution prevention plans for the fleet maintenance/street department site and the water treatment plant (II.B.6.c)	Two years from the permit effective date
Monitoring Requirements		Pages 29-46
Part IV.A.2	Evaluate City's compliance with the identified BMP's and progress toward achieving the minimum control measures and document in each annual report	Two years from the permit effective date
	Monitor the quality of storm water discharges from the MS4 / Conduct a storm water discharge monitoring program	18 months from the permit effective date
	Develop a quality assurance project plan (QAPP) monitoring storm water discharge. Must be submitted for review to EPA and IDEQ	Quality Assurance Project Plan, developed, reviewed, signed, submitted February 09,2010

Summary

Information for Reviewers

This 2015 City of Coeur d'Alene Urbanized Area NPDES MS4 Annual Report is presented in a text format. This text document comprises the majority of the report and discusses each of the required reporting elements for the permit. Copies of the Annual Report will be available through the City of Coeur d'Alene website at www.cdavid.org or city hall.

The city annually evaluates the effectiveness of its SWMP activities to control the discharge of the pollutant(s) of concern.

Introduction

Region 10 of the U.S. Environmental Protection Agency (EPA) issued a draft National Pollutant Discharge Elimination System (NPDES) permit to the City of Coeur d'Alene Urbanized Area Municipal Storm Sewer Systems (MS4) on February 29, 2008. Following review by the City of Coeur d'Alene and meetings with local Idaho Department of Environmental Quality (IDEQ) and Region 10 EPA staff, and a public hearing, a final permit became effective on January 1, 2009 and expiring on December 31, 2013. Pursuant to 40 C.F.R. 122.21(d), the City of Coeur d'Alene submitted a new permit application to EPA on May 30, 2013. We have on file a letter from EPA stating that our existing permit will remain effective and enforceable until EPA grants or denies our application for a new permit.

This report presents and documents the actions required by the permit and taken by the permittee for Year 7 reporting period (January 1, 2015 – December 31, 2015). Individual requirements of the permit are presented in the order of the permit outline. The report has been certified by the appropriate officials.

Quality Assurance Project Plan for Coeur d'Alene Urbanized Area

Quality Assurance Project Plan - As required by Part IV.A of the permit, the City of Coeur d'Alene developed, reviewed, signed and submitted a Quality Assurance Project Plan (QAPP) on February 09, 2010 for the water quality monitoring requirements of the permit (Part IV). The QAPP is included with our 2009, 2010 annual reports and as a link on our website.

Storm Water Management Program Review

The Coeur d'Alene Urbanized Area Storm Water Management Program (SWMP) review for the reporting year 2009 consists of developing a SWMP. The SWMP is designed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable, and to protect water quality in receiving waters. The SWMP actions and activities are outlined in the following pages of this 2015 Annual Report. The SWMP is available with 2009 and 2010 annual reports and on our website. The updated SWMP was submitted with the 2012 annual report and is available on our website.

Public Education & Outreach

Public Education and Outreach		
Part II.B.1	1) Implement an ongoing public education program to educate the community about the impacts of storm water discharges on local water bodies and the steps that citizens and businesses can take to reduce pollutants in storm water runoff. (II.B.1.a)	Two years from effective date of this permit
	2) Distribute storm water educational materials to target audiences (II.B.1.b)	At least once per year
	3) Distribute SWMP information to local media (II.B.c)	At least once per year

1) Within two years of the effective date of this permit, the permittee must develop and implement a public education program to educate the community about the impacts of storm water discharges on local water bodies and the steps that citizens and businesses can take to reduce pollutants in storm water runoff.

The following is a list of events and manners in which we distributed stormwater educational materials and information during this permit year.

Our educational tools such as the enviroscape model and plinko board are available for use by other organizations.

City of Coeur d Alene Website: Drainage Utility page contains stormwater information and pollution prevention practices.

CDA TV Channel 19: The mission of CDA TV Channel 19 (Government/Public Education channel for the Greater Coeur d'Alene area) is to enhance the community's public information and communications system, involve the community in local government decision making, and provide useful local government/public education information to general and specialized audiences. The following were featured on our public channel in this permit year:

- EPA produced video, "Reduce Runoff: Slow it Down, Spread it Out, Soak it In" was played on our local channel 19, November and December of 2015.
- Stormwater PSA, created and produced in partnership with local eagle scout candidate was aired in November and December 2015.

Public Education & Outreach

April 18, 2015

Earth Day, Library Community Room: We partnered with other permittees, Post Falls Highway District, Lakes Highway District and East Side Highway District for this annual event. We provided a stormwater educational interactive display, stormwater plinko game and distributed pollution prevention information. Approximately 200 in attendance.



April 28, 2015

Kootenai Environmental Alliance utilized our enviroscape model to bring stormwater information and pollution prevention education to Dalton Elementary School students.

May 06, 2015

Presentation for Bryan Elementary School 2nd grade classes, included definition of stormwater, pollution prevention and allowed for the kids to participate in a stormwater plinko game. Approximately 100 students.

May 07, 2015

Idaho Water Awareness Week

This event was a joint effort with other stormwater permittees. We hosted an Idaho Department of Environmental Quality produced bingo game for the Ramsey Elementary School 5th grade students. The bingo game allows discussion and educational opportunities for the following topics: Recycle, Reuse, Reduce and Eliminate. Approximately 160 students were in attendance.

May 20-21, 2015

Presented stormwater pollution prevention information at the annual Silverwood Science and Physics Days. Students had the opportunity to volunteer for litter pick up and storm drain stenciling. There were approximately 1700 students from the region that attended.



July 16, 2015

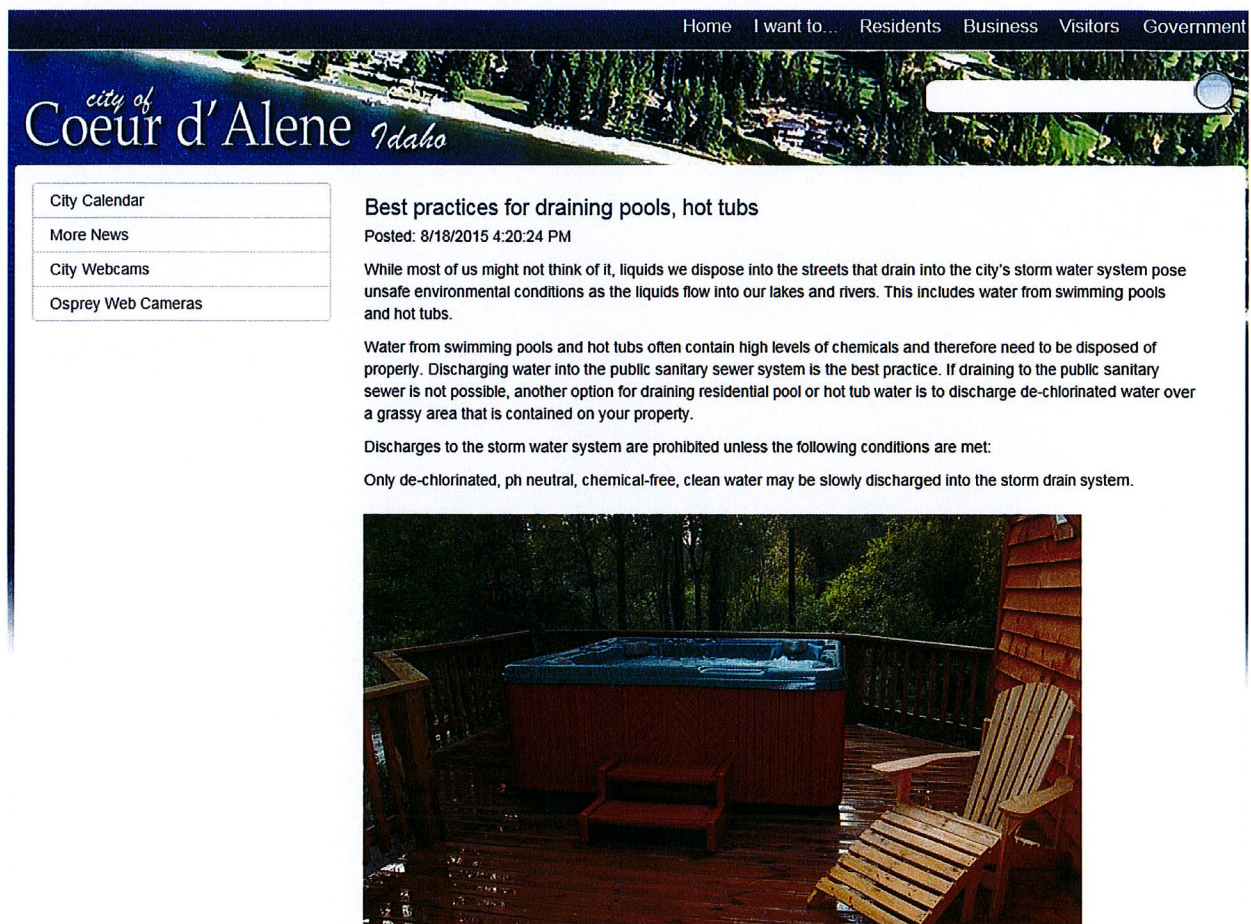
Kootenai Environmental Alliance utilized our enviroscape model for “water day” at their Art of Nature Summer Camp. (30 participants)

July 17, 2015

Conducted a power point presentation for the Adventure Learning teacher training workshop. The workshop seeks to help educate teachers around our region about ways they can integrate hands-on watershed education curriculum into their classrooms. The information presented included our storm water infrastructure and best management practices for stormwater management and the educational tools we use.

August 01, 2015

An article on the proper disposal of hot tub and pool water was featured on our city website and distributed to the media and city employees.



The screenshot shows the City of Coeur d'Alene website. At the top, there is a navigation bar with links: Home, I want to..., Residents, Business, Visitors, Government. Below the navigation bar is a header image of a river and trees with the text "city of Coeur d'Alene Idaho". On the left side, there is a sidebar with links: City Calendar, More News, City Webcams, Osprey Web Cameras. The main content area features an article titled "Best practices for draining pools, hot tubs" posted on 8/18/2015 at 4:20:24 PM. The article text discusses the environmental risks of discharging pool and hot tub water into the storm water system and provides guidelines for proper disposal. Below the text is a photograph of a hot tub on a wooden deck.

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Best practices for draining pools, hot tubs


Posted: 8/18/2015 4:20:24 PM

While most of us might not think of it, liquids we dispose into the streets that drain into the city's storm water system pose unsafe environmental conditions as the liquids flow into our lakes and rivers. This includes water from swimming pools and hot tubs.

Water from swimming pools and hot tubs often contain high levels of chemicals and therefore need to be disposed of properly. Discharging water into the public sanitary sewer system is the best practice. If draining to the public sanitary sewer is not possible, another option for draining residential pool or hot tub water is to discharge de-chlorinated water over a grassy area that is contained on your property.

Discharges to the storm water system are prohibited unless the following conditions are met:

Only de-chlorinated, pH neutral, chemical-free, clean water may be slowly discharged into the storm drain system.



August 12, 2015

The University of Idaho utilized our stormwater plinko board for a presentation at the Lamb Christian Academy.

October 8, 2015

Hard Hats, Hammers & Hot Dogs annual event.



The street department in coordination with the drainage utility sent the following equipment to the annual event at the KTEC facility in Rathdrum.

Drainage video camera truck with operator demonstrating how we inspect underground drainage pipes. We had a collection of pictures showing how and what we find in the pipes and explained the importance of keeping the infrastructure clean. We also had a large map displaying the city drainage collection system.

Street sweeper: we had one of our new sweepers on display along with a name the sweeper sign up station. From that we received over 80 valid names that we eventually chose 2 to name our newest sweepers.

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Students name Cd'A city street sweepers

Posted: 11/10/2015 3:58:33 PM

Thanks to two students representing North Idaho Christian School and Coeur d'Alene High School, a pair of Coeur d'Alene street sweepers shall remain nameless no longer!

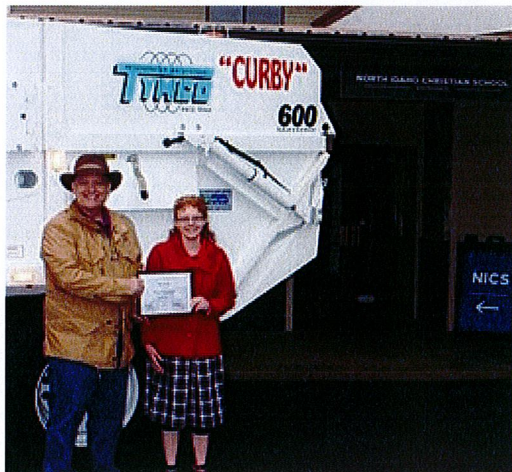
During a recent "Hotdogs, Hammers and Hardhats" event at Kootenai Technical School in Rathdrum, Coeur d'Alene City Councilman Dan Gookin proposed a "Name the Sweeper Contest" to involve local students in a civic event.

Street Superintendent Tim Martin said the response was incredible.

"We had several students eager for the opportunity to have their proposed name proudly displayed on the side of city street sweepers," Martin said. "We congratulate Rachel Symons of North Idaho Christian School for her sweeper name 'Curby' and Jaylynn Heritage of Coeur d'Alene High School for her sweeper name 'Caleb!'"

The annual Hotdogs, Hammers and Hardhats event allows contractors and municipalities from North Idaho to demonstrate firsthand how various heavy equipment tasks are performed by the local workforce.

"The day was action-packed with all of the various pieces of heavy equipment being put to use by the students," Martin said.



December 01, 2015

EPA produced "Protecting Water Quality from Urban Runoff" brochure posted for the month of December in our customer service center.

December 04, 2015

We partnered with the City of Coeur d'Alene Wastewater Department in bringing a presentation to Ramsey Elementary School third grade classes for their science day. The presentation included stormwater and pollution prevention information. Approximately 120 students attended.

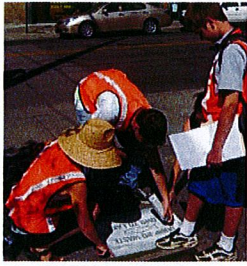
2) At least once per year, the permittee must distribute appropriate storm water educational materials to the target audiences.

The City of Coeur d'Alene Engineering Department worked together with Panhandle Storm Water Erosion and Sediment Control Education Program (SEEP) to produce a field guide which includes storm water education materials. The guide is available to contractors and the public in our customer service center at city hall. CGP handouts are also distributed in our customer service center.

Pollution prevention reminder bracelets are given to the students at our school stormwater presentations.

Volunteers distribute pollution prevention door hangers while stenciling in neighborhoods.

EPA produced, "Protecting Water Quality from Urban Runoff, Clean Water is Everybody's Business" article was posted in our customer service center.



April 18, 2015

Pollution prevention materials were distributed during the annual Earth Day event at the Coeur d'Alene library.

May 20-21, 2015

Annual Stormwater Presentation, Silverwood Theme Park 6th-8th grades. Using our enviroscape model and plinko aboard we presented a demonstration of how pollutants can enter our waters and how we can prevent pollution. Storm water brochures with pollution prevention tips and clean water bracelets were distributed.

August 01, 2015

An article describing the proper disposal of pool and hot tub water was posted on our website, distributed to the media and to city employees.

3) At least once per year, the permittee will prepare and distribute appropriate information relevant to the SWMP to the local newspaper and at least one other media outlet.

The following articles were posted on our website, distributed to the media and all city employees during this permit year.

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Best practices for draining pools, hot tubs

Posted: 8/18/2015 4:20:24 PM

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After the Storm: Caring for distressed trees

Posted: 11/18/2015 2:12:45 PM

The windstorm that ravaged the region on Tuesday toppled an estimated 145 trees in Coeur d'Alene alone and adversely impacted the health of dozens of others. Severe weather can have a lasting impact on our community trees. Here are some tips for tending to trees after a storm:

Safety first! Damaged trees are often in contact with utility lines, creating a dangerous situation. Do not perform any tree work, or get near downed powerlines. To report a tree on utility lines or lines that are down, call Avista Utilities at 800-227-9187 or Kootenai Electric at 765-1200.

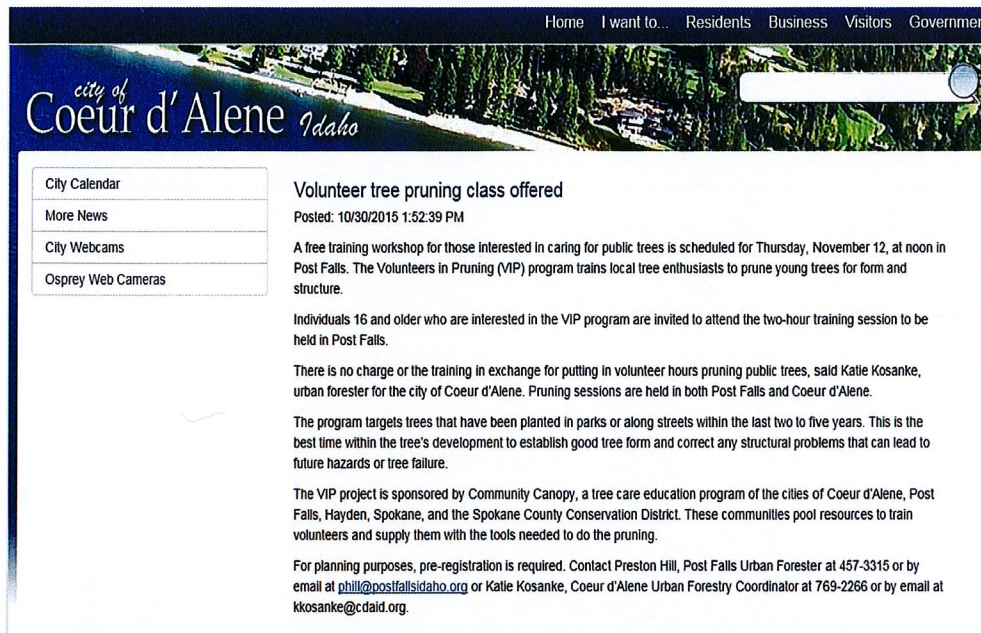
Take responsibility. Property owners are responsible for the care of the trees growing on their property and within the public rights-of-way. When a fallen tree is blocking a public street, contact the Parks Department 769-2252, or Street Department, 769-2233.

Procure a permit. City ordinances require a permit through the Parks Department to work on trees. Permits are free and come with helpful information.

Seek a licensed tree service. Only tree services that are city-licensed are authorized to work on trees growing within the public rights-of-way in Coeur d'Alene.

Having storm damaged branches pruned out and subsequent follow up work can significantly extend the life of trees and ensure public safety. In some cases however, tree removal may be necessary. Tree removal requests generally go through the city's Urban Forestry Committee, but after severe storms and depending on the extent of damage, the urban forester may permit tree removal for safety purposes after inspection.

For more information, contact the city's urban forester at 769-2266.



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Volunteer tree pruning class offered

Posted: 10/30/2015 1:52:39 PM

A free training workshop for those interested in caring for public trees is scheduled for Thursday, November 12, at noon in Post Falls. The Volunteers in Pruning (VIP) program trains local tree enthusiasts to prune young trees for form and structure.

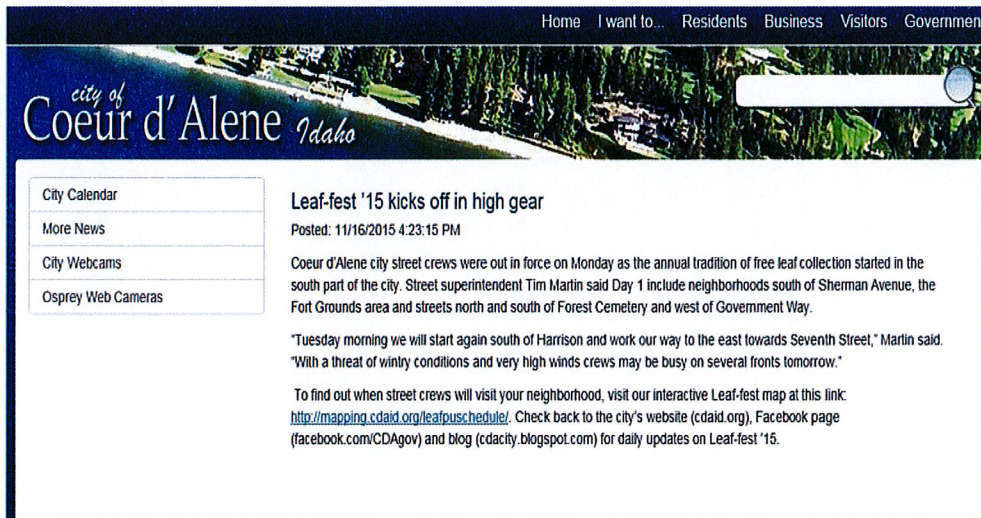
Individuals 16 and older who are interested in the VIP program are invited to attend the two-hour training session to be held in Post Falls.

There is no charge or the training in exchange for putting in volunteer hours pruning public trees, said Katie Kosanke, urban forester for the city of Coeur d'Alene. Pruning sessions are held in both Post Falls and Coeur d'Alene.

The program targets trees that have been planted in parks or along streets within the last two to five years. This is the best time within the tree's development to establish good tree form and correct any structural problems that can lead to future hazards or tree failure.

The VIP project is sponsored by Community Canopy, a tree care education program of the cities of Coeur d'Alene, Post Falls, Hayden, Spokane, and the Spokane County Conservation District. These communities pool resources to train volunteers and supply them with the tools needed to do the pruning.

For planning purposes, pre-registration is required. Contact Preston Hill, Post Falls Urban Forester at 457-3315 or by email at phill@postfallsidaho.org or Katie Kosanke, Coeur d'Alene Urban Forestry Coordinator at 769-2266 or by email at kkosanke@cdald.org.



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Leaf-fest '15 kicks off in high gear

Posted: 11/16/2015 4:23:15 PM

Coeur d'Alene city street crews were out in force on Monday as the annual tradition of free leaf collection started in the south part of the city. Street superintendent Tim Martin said Day 1 include neighborhoods south of Sherman Avenue, the Fort Grounds area and streets north and south of Forest Cemetery and west of Government Way.

"Tuesday morning we will start again south of Harrison and work our way to the east towards Seventh Street," Martin said. "With a threat of wintry conditions and very high winds crews may be busy on several fronts tomorrow."

To find out when street crews will visit your neighborhood, visit our interactive Leaf-fest map at this link: <http://mapping.cdald.org/leafpuschedule/>. Check back to the city's website (cdald.org), Facebook page (facebook.com/CDAGov) and blog (edacity.blogspot.com) for daily updates on Leaf-fest '15.

December 2015

Stormwater pollution prevention public service announcement aired on our local television channel. The PSA was created by a local eagle scout.

Public Involvement and Participation

Public Involvement and Participation		
Part II.B.2	1) Post all SWMP documentation and Annual Reports on the permittee's website (II.B.2.b)	Two years from permit effective date, ongoing thereafter
	2) Organize and promote Adopt a Street and Litter Pick Up Day(s) (II.B.2.c)	Once per year, each program
	3) Conduct public forum regarding SWMP activities (II.B.2.d)	At least once annually
	4) Create, maintain, and promote a telephone hotline; track complaints (II.B.2.e)	Within three years, ongoing thereafter
	5) Organize and conduct a storm drain stenciling program. At least 100 storm drains stenciled per year (II.B.2.f)	Within one year of the effective date of this permit Within two years of permit effective date, ongoing thereafter

1) The permittee must make all relevant SWMP documents and all Annual Reports required by this permit available to the public. Within two years of the effective date of this permit, all SWMP document and Annual Reports must be posted online through its regularly maintained website (or a website sponsored by the permittee).

The 2009, 2010, 2011, 2012, 2013, 2014 & 2015 Annual Reports, Storm Water Management Program and Quality Assurance Protection Plan are posted on the City of Coeur d'Alene website and are available for review at city hall.

2) At least once per year, the permittee must organize and promote citizen participation in each of its Adopt a Street and Annual Litter Pick-up programs.

The Adopt-A-Street program was authorized by the City Council in August of 2000. The program is a partnership, which includes an adopting group, family, or individual. They pick up the trash, and the City provides signage, vests, and orange litter bags, and also collects the bags the next working day after they have been filled. A quarterly pick up of trash is encouraged with a minimum being twice per year. There are currently 31 Adopt-A-Street volunteer groups. During this permit year, 2.25 tons of trash was removed from our MS4 by our volunteers. Volunteer information for this program is available on the city website "volunteer" tab and on the City of Coeur d'Alene street department web page.

Public Involvement and Participation

3) At least once per year, the permittee must conduct a public open house or other forum to solicit input from the public on the permittee's implementation of the SWMP activities.

April 18, 2015

The City of Coeur d'Alene partnered with several agencies and other area permittees in presenting stormwater management information and pollution prevention at the Earth Day Event. There were approximately 200 attendees with no written comments given. Our SWMP was available for review.

The City of Coeur d'Alene website offers visitors to the site the opportunity to contact the city in reference to all city business.

4) Within three years of the permit effective date, the permittee will create, maintain, and promote a "hotline" telephone number to receive, track, and respond as necessary to information submitted by the public regarding storm water pollution concerns.

A hotline was established for reporting spills, illegal dumping or for stormwater questions and concerns. In addition to the hot line the city has an on line reporting tool on our website. The hot line phone number is posted on the city's website and on our educational materials. During the permit year we received 1 hot line calls and 6 on line reports from citizens and staff through our city web site.

5) The permittee must organize promote and conduct a storm drain stenciling program. Within two years of the effective date of this permit, at least 100 storm drains, catch basins or inlets throughout the permittee's jurisdiction must be stenciled per year.

During this permit year, 106 drains have been stenciled by three volunteer groups, two of which Kootenai Environmental Alliance sponsored, Adventure Learning Teacher Training Workshop participants and city staff. In addition to the stenciling approximately 50 door hangers were distributed in residential areas, providing stormwater education and pollution prevention tips. The volunteer groups also picked up trash in the neighborhoods they were stenciling. The program is promoted at outreach events and on the city's web site under the "volunteer" tab.

Illicit Discharge

Illicit Discharge Detection and Elimination		
Part II.B.3	1) Development, implement and enforce a program to detect and eliminate illicit discharges into the MS4 (II.B.3.a)	Two years from the permit effective date
	2) Adopt an ordinance or other control measure to prohibit illicit discharges to the MS4(s); prohibit any specific non-storm water discharge, if necessary (II.B.3.b & c)	Two years from the permit effective date
	3) Develop/update a comprehensive storm sewer system map (II.B.3.d)	Two years from the permit effective date
	4) Inform public employees, businesses and the general public of hazards associated with illegal discharges and improper disposal of waste (II.B.3.e)	Two years from the permit effective date
	5) Screen 50% of outfalls for dry weather flows. (II.B.3.f)	No later than permit expiration date
	6) Inventory the industrial facilities discharging storm water within the Urbanized Area (II.B.3.g)	Three years from the permit effective date

1) Within two years from the effective date of this permit, the permittee must develop and implement a program to detect and eliminate illicit discharges into their MS4, including roadways and associated drainage facilities, ditches, pipes, culverts, catch basins and retention ponds in its jurisdiction. This program must include written spill response procedures to ensure protection of the permittee's MS4. The program must include written procedures for detention, identification of the source, and removal of non-storm water discharges from the MS4. This program must also address illegal dumping into the MS4, and include training for City staff on how to respond to reports of illicit discharges. The permittee must develop an information management database system to track the activities and actions of the program in concert with the hotline required in Part II.B.2.

Our illicit discharge detection and elimination program outline was submitted with 2010 annual report.

Municipal employees have received training in the recognition of and response to illicit discharges.

Spill prevention and containment refreshers are included as part of the annual training for staff members from Fire, Building, Engineering, Parks, Police, Water, Wastewater, Recreation and Street Departments.

Information on reported illicit discharges and action taken is kept in our City Track database and with our code enforcement department. The city has developed a written standard operating

Illicit Discharge

procedure for prioritizing illicit discharges and stormwater complaints and concerns. City staff has been directed to code entries into our “city track” database reporting system as “high” priority. Our system will notify designated staff and the appropriate priority ranking of the call will be assigned. This approach enables all city staff to take the calls and appropriate staff to rank the priority.

High Priority (Immediate action is required)

- Spills / Accidents
- Intentional Dumping
- Leaking automotive fluids
- Public Health and Safety Issues

Medium Priority (3-5 day response)

- Cross connection between a sanitary sewer and a storm sewer
- Failing septic system that is causing surface discharge into the storm sewer
- Sanitary waste piping that is directly connected from a home or business to the storm sewer
- Shop floor drain that is connected directly to a storm sewer

Low Priority (5-10 day response)

- Slow draining catch basin*
- Slow draining or plugged grassed infiltration area*

**if flooding is occurring on street or private property that is a safety concern or threat to property damage, upgrade priority to high*

The goal for our 2016 permit year is to review all lines that have been videoed and research any lateral intrusions.

2-1) Within two years from the effective date of this permit, the permittee must effectively prohibit non-storm water discharges into the MS4 through an ordinance or other regulatory mechanism to the extent allowable under State or local law. The permittee must implement appropriate enforcement procedures and actions, including a written policy of enforcement escalation procedures for recalcitrant or repeat offenders.

Ordinance 3455 amending the municipal code of the City of Coeur d’Alene, Kootenai County, Idaho adopting a new chapter 13.32, Entitled Illicit Discharge and Stormwater Sewer Connection, to provide for regulation of all water directly or indirectly entering the city stormwater system, including definitions, discharge regulation, monitoring and reporting requirements, prohibiting illicit connections and providing that any violation of the chapter is a misdemeanor punishable by a fine of not more than \$1,000.00 or by imprisonment not to exceed 180 days or both.

Illicit Discharge

2-2) Through the ordinance or other regularly mechanism set forth in Section II.B.3.b, the permittee must prohibit any of the non-stormwater flows listed in Part I.C.1.c only if such flows are identified (by EPA or the permittee) as a source of pollutants to the MS4. The permittee must document to EPA in the Annual Report any existing local controls or conditions placed on the types of non-storm water discharges in Part I.C.1.c.

The City of Coeur d' Alene, Ordinance 3455, prohibits all non-storm water discharges to the MS4 with the exception of discharges detailed in our NPDES permit Part 1.C.1.c.

3) Within two years from the effective date of this permit, the permittee must update and complete its comprehensive MS4 map. At a minimum, the map(2) must show jurisdictional boundaries, the location of all City-owned or operated storm sewers, culverts, ditches, and other conveyances, the location of all inlets and outfalls, points at which the permittee' s MS4 is interconnected with other MS4's, names and locations of all waters that receive discharges from those outfalls, and locations of all municipally-owned or operated facilities, including all maintenance/storage facilities and public or private snow disposal sites. Locations of all outfalls must also be provided in latitude and longitude, and the diameter of all outfalls must be provided with the map. The maps must be available in electronic or digital format as appropriate. A copy of the completed map(s), as both a report and as an electronic file via Arc GIS format, must be submitted to EPA and IDEQ as part of the corresponding Annual Report.

The City of Coeur d' Alene MS4 map was included with the 2010 annual report. The goal for our 2016 permit year is to review and update our MS4 map and include it with our next annual report.

4) Within two years from the effective date of this permit, the permittee must begin an ongoing education program to inform users of the MS4, especially public employees, businesses, and the general public, of hazards associated with illegal discharges and improper disposal of waste. This program must be conducted in concert with the public education requirements outlined in Part II.B.1.

The City of Coeur d Alene utilizes our public television station to present stormwater pollution prevention and awareness during each permit year. The city utilizes social media to distribute stormwater and pollution prevention information.

Municipal storm water pollution prevention training, which includes spill containment and illicit discharge detection were covered during this permit year to all new employees.

Illicit Discharge

Pollution prevention materials are distributed in neighborhoods as storm drains were being stenciled.

Information on illicit discharge and proper disposal of hazardous waste is distributed at our educational events and on our website. We have a link on our website to the Kootenai County Solid Waste Department.

5) Within three years from the effective date of this permit, the permittee must begin dry weather field screening for non-storm water flows from all storm water outfalls. By the expiration date of the permit, at least 50% of the permittee's outfalls within the Coeur d'Alene Urbanized Area must be screened for dry weather flows. The screening should include field tests of selected parameters as indicators of discharge sources. Screening level tests may utilize less expensive "field test kits" using test methods not approved by EPA under 40 CFR Part 136, provided the manufacturer's published detention ranges are adequate for the illicit discharge detention purposes. The permittee must investigate any illicit discharge within fifteen (15) days of its detection, and must take action to eliminate the source of the discharge within 45 days of its detention.

August 2015, Dry weather field screening was conducted at all of our outfalls. Most of the outfalls were dry. Three had a trickle flow. Outfalls with flows were investigated upstream of the outfall and flow was determined to be from irrigation and hydrant flushing. No indication of illicit discharge was discovered.

6) Within three years from the effective date of this permit, the permittee must inventory all industrial facilities that discharge directly to the permittee's MS4 or directly to waters of the United States located within the Coeur d'Alene Urbanized Area and submit this inventory as part of the corresponding Annual Report. The types of industrial facilities that must be inventoried are set forth in 40 CFR §122.26(b)(14)(i-ix) and (xi). This inventory must include the location of the facility, the location of its outfall, and the NPDES permit status for its storm water discharges.

This requirement was met in the 2011 permit year. There was only one business identified that met the criteria of this permitting requirement; Deming Industries located at 2945 N. Government Way in Coeur d'Alene, Outfall 11.

The research for this program requirement utilized information from our wastewater department, Panhandle Health, Kootenai Environmental Alliance, City of Coeur d'Alene building permit data and EPA's NOI site. No industrial facilities were added in 2015.

Construction Site Storm Water Runoff		
Part II.B.4	1) 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 (II.B.4.a)	Two years from the permit effective date, ongoing thereafter
	2) Provide adequate direction to project proponents regarding the EPA Construction General Permit (II.B.4.b)	Upon permit effective date
	3) Adopt an ordinance or other control measure to require construction site operators to practice erosion, sediment and waste control (II.B.4.c)	Two years from the permit effective date
	4) Publish and distribute written requirements for construction site best management practices (II.B.4.d)	Two years from the permit effective date
	5) Develop, or review/update as necessary, procedures for reviewing pre-construction site plans & accepting public input and complaints (II.B.4.e & f)	Two years from the permit effective date
	6) Implement site inspection & enforcement procedures. Inspect all construction sites at least once per construction season. (II.B.4.g)	Two years from the permit effective date
	7) Ensure all permittee-owned construction projects comply with EPA's Construction General Permit (II-B.4.h)	Upon permit effective date
	8) Conduct at least one training for construction industry (II.B.4.i)	Three years from the permit effective date

1) Within two years from the effective date of this permit, the permittee must implement and enforce a program to reduce pollutants in any storm water runoff to the MS4 from construction activities resulting in land disturbance of greater than or equal to one acre. This program must also include controls for pollutants in such storm water discharges from activity disturbing less than one acre, if that construction activity is part of a larger common plan of development or sale that disturbs one acre or more.

Ordinance 3455, adopted December 04, 2012 amending the municipal code of the City of Coeur d'Alene, Kootenai County, Idaho, Amending Sections; 13.30.010, 13.30.020, 13.30.040, 13.30.050, 13.30.606 and adopting a new section 13.30.075 to the Stormwater Management Ordinance to provide additional definitions, adopting additional standards for erosion, sediment and construction waste control and providing for inspections;

Construction Site

repealing all ordinances and parts of ordinances in conflict herewith and providing a severability clause. Complete ordinance is available on the City of Coeur d'Alene website.

2) The permittee must provide appropriate information and direction to representatives of proposed new development and redevelopment construction projects concerning the NPDES General Permit for Storm Water Discharges for Construction Activity in Idaho, #IDR 10-0000 (Construction General Permit).

The "Notice to Contractors" is located on our City of Coeur d'Alene website, is posted in the customer service center at city hall and has been electronically distributed to the North Idaho Building Contractors Association. The information is also included in all project reviews packets. The notice is include with the 2009 and 2010 annual reports, available on our website. Also, available in our customer service center is an E.P.A produced brochure; "Does Your Construction Site Need A Stormwater Permit."

Engineering project reviews include notification to the applicant of this requirement.

3) Within two years from the effective date of this permit, the permittee must adopt an ordinance or other regulatory mechanism to the extent allowable under state or local law that requires all construction site operators to practice appropriate erosion, sediment and waste control. This ordinance or regulatory mechanism must include sanctions to ensure compliance. The permittee may evaluate any existing procedures, policies, and authorities pertaining to activities occurring on their property that may be used to assist in the development of the required regulatory mechanism.

Ordinance No. 3455, Municipal Code 13.30.010-13.30.130 addresses this permit requirement. The complete ordinance was submitted with our 2012 annual report and is available on our website.

4) Within two years from the effective date of this permit, the permittee must publish and distribute requirements for construction site operators to implement appropriate erosion and sediment control BMP's and to control waste (such as discarded building materials, concrete truck washout, chemicals, litter and sanitary waste at a construction site) that may cause adverse impacts to water quality.

October 05, 2010 The City of Coeur d'Alene Resolution No. 10-038 adopting the Idaho Department of Environmental Quality Best Management Practices as the city's BMP's. The information was presented at public works, city council meeting, North Idaho Building

Construction Site

Contractors Association and mailed to builders, contractors, landscaper and architects. The information is also on our website and posted in the customer service center. The information is also made available to permit applicants at project review stage.

The City inspectors, during site inspections have distributed bmp requirements to the on- site operators.

5-1) Within two years from the effective date of this permit, the permittee must develop procedures for reviewing all pre-construction site plans for potential water quality impacts, including erosion and sediment control, control of other wastes, and any other impacts according to the requirements of the law, ordinance, or other enforceable mechanism created to comply with Part II.B.4.c. These procedures must include provisions for receipt and consideration of information submitted by the public.

Ordinance 3455, 13.30.040 states that storm water management plans are required for all land disturbing building permits and provides for exceptions. The plans are reviewed and approved as a condition of issuance of the permits. All required erosion and sediment controls will be included on the stormwater management plans and reviewed and approved by City engineer or his designee. In addition, these plans will be made available to the public for input.

Inspection of construction sites are performed at least twice per construction season and after a rain event to ensure placement and proper functioning of required erosion control elements.

During the 2015 construction season all sites were inspected prior to site disturbance, after a storm event and before the issuance of a certificate of occupancy.

5-2) Within two years from the effective date of this permit, the permittee must implement a program to receive, track, and review information submitted by the public regarding construction site erosion and sediment control complaints.

The City of Coeur d Alene Drainage System Utility established a stormwater hotline and an on-line communication link. The hotline number is included in our educational handouts, on our website, included in our municipal training and has been included in several newspaper articles. The reporting and tracking program includes an on line reporting form and database to track and save information. If a complaint is called in or given in person, the staff member taking the information will enter it into our "City Track" system for appropriate action and documentation. Two construction site erosion and sediment control complaints were received from the public in 2015.

6) Within three years from the effective date of this permit, the permittee must develop and implement procedures for site inspection and enforcement of control measures established as required in Parts II.B.4.c and d, including a written policy of enforcement escalation procedures for recalcitrant or repeat offenders.

Construction Site

The permittee must inspect all construction sites in their jurisdiction for appropriate erosion/sediment/waste control practices as least once per construction season.

Storm water Management, Ordinance 3455, Municipal Code 13.30.080, Inspections

Prior to site inspection, plans are reviewed to confirm storm water management plan requirements. During on- site inspection, all bmp's are evaluated to ensure proper installation and functionality.

Any bmp's that are found to be incorrectly installed or missing will be noted and a correction notice given to the person in charge at the site. If no one is available on site, a correction notice will be left and a call will be placed to the permit applicant. The correction notice will state the amount of time allowed for permittee to comply. An additional inspection will be made to ensure corrections have been addressed. If compliance is not achieved a stop work order is issued.

During this permit year, 897 erosion, sediment and waste control inspections (bmp) were completed. Of those inspections 65 correction notices were issued and 2 stop work orders being issued. All construction sites in the city were inspected a minimum of two times; prior to site disturbance and on final inspection before the issuance of a certificate of occupancy. Sites were also inspected after a storm event.



CITY OF COEUR D'ALENE

1/1/2015 To 12/31/2015

Inspection Report

Engineering

Alley	2
Approach	235
BMP	897
Curb	36
Driveway	2
Dry Well	19
Final	353
G.I.A.	17
Sidewalk	213
Streetcut	8
Swale Drain	129
Swales	137

Total Engineering : 2048

7) The permittee must comply with the Construction General Permit and all relevant local requirements for erosion, sediment and onsite materials control on public construction projects. The permittee must ensure that all contractors working on behalf of the permittee are complying with the Construction General Permit and all relevant local requirements for erosion, sediment, and onsite

materials control on construction projects. The permittee must incorporate specific language in all contracts ensuring appropriate storm water management on all public construction projects.

It is the City of Coeur d'Alene policy that all projects disturbing over 1 acre of ground must obtain an NPDES general permit and comply with the permits requirements for erosion, sediment and on site materials control. Additionally, it is the City's policy that all projects disturbing any ground must implement and be inspected for erosion, sediment control and material handling and storage BMP's.

8) Within three years from the effective date of this permit, the permittee must develop and conduct at least one training session for the local construction/design/engineering audience related to the construction ordinance and BMP requirements referenced in Parts II.B.4.c and d.

The city has hosted three development forums which provided best management practices and requirements for construction sites. At the events we also provided an EPA produced educational handout, "How Do I Get Stormwater Permit Coverage for My Construction Site." available in our customer service center.

Post-Construction Storm Water Management in New Development and Redevelopment		
Part II.B.5	1) Develop and implement a program to address post-construction storm water runoff from new development and redevelopment projects (II.B.5.a)	Three years from the permit effective date
	2) Adopt an ordinance to address post-construction runoff from new development and redevelopment projects (II.B.5.b)	Three years from the permit effective date
	3) Ensure proper long term operation and maintenance of post construction storm water BMPs. (II.B.5.c)	Three years from the permit effective date
	4) Develop and implement a site plan review process and site inspection program to ensure proper installation and long-term operation and maintenance of post-construction storm water management controls (II.B.5.d)	Four years from the permit effective date

1) **Within three years from the effective date of this permit, the permittee must implement and enforce a program to address post-construction storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre (including projects less than one acre that are part of a larger common plan of development or sale) and that result in discharge into the permittee's MS4. The program must ensure that controls are enacted that will prevent or minimize water quality impacts from newly developed or redeveloped areas.**

Ordinance 3455, Municipal Code 13.32.010-13.32.140 addresses all items listed in this required action. The complete ordinance was included with the 2012 annual report and is available on our website.

2) **Within three years from the effective date of this permit, the permittee must adopt an ordinance or other regulatory mechanism to the extent allowable under State or local law to address post-construction runoff from new development and redevelopment projects. If such requirements do not currently exist, development and adoption of an ordinance is required. The permittee may evaluate existing procedures, policies, and authorities pertaining to activities occurring on their property that may be used to assist in the development of the required regulatory mechanism.**

Post Construction

Ordinance 3455, Municipal Code 13.32.010-13.32.140 addresses all items listed in this required action. The complete ordinance was included with the 2012 annual report and is available on our website.

3) Within three years from the effective date of this permit, the permittee must ensure proper long term operation and maintenance of all permanent storm water management controls located within its jurisdiction.

As part of the City's storm water facilities and conveyances maintenance plan, inspections are performed annually. The results are used to plan the appropriate measures necessary to ensure proper long term operation.

In order to obtain a building permit the developer must submit drainage calculations and plans to our engineering department for review and approval. The city performs inspections to verify that the site construction is as per approved plans. The city has an aggressive street sweeping and storm system maintenance program. In 2015, there were 2,475 lane miles of streets that were swept and 1702 catch basins were cleaned. The tonnage from the debris removed from sweeping and catch basin cleaning was 1510 tons. Swale inlet maintenance for 2015 was 600 scuppers along arterials.

The city utilizes green alternatives when able to manage and maintain stormwater swales and retention areas.



(Goats "mowing down" one of our stormwater retention areas)

4) Within four years from the effective date of this permit, the permittee must develop and implement a process for pre-construction plan review of permanent storm water management controls and inspection of such controls to ensure proper installation and appropriate long-term operation and maintenance.

The City of Coeur d Alene has utilized a pre-construction plan review process since the early 1980's. In relation to stormwater management controls and inspections, the following is our procedure:

- A stormwater management plan is required with the plan submission.
- The City engineering staff will review, with final approval by the City Engineer.
- Site Inspections

Post Construction

- The applicant is required to submit a percolation test and a letter signed by the design professional stating that the swales were constructed in accordance with their recommendations

Pollution Prevention and Good Housekeeping

Pollution Prevention and Good Housekeeping for Municipal Operations		
Part II.B.6	1) Develop and implement an operation and maintenance program intended to prevent or reduce pollutant runoff from municipal operations (II.B.6.a)	Two years from the permit effective date
	2) Develop and conduct appropriate training for municipal personnel (II.B.6.b)	Two years from the permit effective date, annually thereafter
	3) Prepare storm water pollution prevention plans for the fleet maintenance/street department site and the water treatment plant (II.B.6.c)	Two years from the permit effective date

1) Within two years from the effective date of this permit, the permittee must develop and implement an operation and maintenance program intended to prevent or reduce pollutant runoff from municipal operations. This program must address municipal activities occurring within the permittee's jurisdiction with potential for negative storm water 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; water treatment plant operations; storm water system maintenance; and snow disposal site operation and maintenance. Examples of other municipal activities which may also be evaluated as relevant to the jurisdiction include, but are not limited to: materials storage; hazardous materials storage; used oil recycling; spill control and prevention measures for municipal refueling facilities; municipal golf course maintenance; municipal new construction and land disturbances; and snow removal practices.

During this permit year the City of Coeur d'Alene has reviewed our evolving guide for the operations and activities of our departments with the potential for negative storm water quality impacts. Our focus is to identify and evaluate our existing best management practices in our municipal operations and activities to determine areas for improvement.

2015 Storm Water Work Plan Progress:

Video of Storm Lines: 14237 feet

Catch Basins Cleaned: 1702

Street Sweeping: 2475 lane miles

Tonnage of debris removed from sweeping and catch basin cleaning: 1510 tons

Swale Inlet Maintenance: 600 scupper along arterials

There are currently 17 city employees that have achieved Stormwater & Erosion Education Program (SEEP) certification.

The screenshot shows the top navigation bar of the University of Idaho website. The main header includes the university name and a search bar. Below the header is a menu with categories: ABOUT, ADMISSIONS, ACADEMICS, STUDENT LIFE, RESEARCH, ATHLETICS, CALENDAR, ARTS, and OUTREACH. The breadcrumb trail reads: University of Idaho » Coeur d'Alene » Stormwater & Erosion Education Program (SEEP) » Classes and Certification » Certification. The main heading is "Stormwater & Erosion Education Program (SEEP)". On the left is a sidebar menu with links: Home, Classes and Certification, Certification, Recertification, Purpose and Benefits, Meetings, and About Us. The main content area is titled "Certification" and contains the text: "What does it mean to be SEEP certified? Initially, the certification confirms the participant has completed the full training session and has demonstrated knowledge of the principles of sediment and control by passing an examination. The certification also carries with it the professional obligation of adhering to a Code of Conduct and a commitment to continued learning in the field of stormwater and erosion control. Participants successfully meeting the certification criteria will have their names placed on a distribution list to be made available to the public. SEEP certificates must be renewed every three years- learn more here."

The screenshot shows the same website structure as above, but the breadcrumb trail is: University of Idaho » Coeur d'Alene » Stormwater & Erosion Education Program (SEEP) » Classes and Certification » Purpose and Benefits. The main heading is "Stormwater & Erosion Education Program (SEEP)". The sidebar menu is identical. The main content area is titled "Purpose and Benefits" and contains the following text and lists:

The SEEP Program's Purpose:

- Increase skill and knowledge levels in the stormwater and erosion fields
- Foster communication and collaboration between industry, agencies, and landowners
- Protect resources, including people, water and the economy
- Develop a local pool of experts as resources for the development community
- Change current perceptions in development practices

Benefits to Contractors/Developers:

- Increase skill and marketability to clients
- Develop a thorough understanding of what methods work and when
- Be able to troubleshoot your own construction site
- Protect your resources

Benefits to Agencies:

- Increase agency effectiveness and efficiency by reducing time consuming and costly enforcement actions
- Learn side-by-side with contractors for a consistent approach
- Be able to communicate effectively with contractors
- Be more confident that erosion control methods will be correctly installed on site

Benefits to the Public:

- Water quality is protected
- Struggles between neighbors and contractors are minimized
- Growth does not outpace quality of life

At the bottom left of the page, there is a "Locations" section with a list:

Locations	
Moscow	▲
Boise	▲
Coeur d'Alene	▲
Idaho Falls	▲

Pollution Prevention and Good Housekeeping

Employees from our engineering, legal and wastewater departments attended an EPA sponsored webinar, EPA's New Multi-Sector General Storm Water Permit: What Affected Industries Need to Know About Applying. July 13, 2015

Each department within the City has operations and maintenance procedures that are designed and evaluated to ensure we are implementing BMP's in relation to our municipal operations.

Existing Best Management Practices for Pollution Prevention

Water Department:

Employee training in storm water basics, pollution prevention, spill prevention and response, illicit discharge detection and reporting

Supervisor performs storm water pollution potential evaluation on site prior to commencement of operations, repair or maintenance projects

BMP's applied to water line construction, repair and maintenance activities

Spill Kits in vehicles

Street Department:

Annual training has been conducted for street department personnel related to optimal maintenance practices for the protection of water quality. One of the integral parts of street maintenance involves sweeping of debris before the deposits can enter the storm system. The street department delivers an aggressive street sweeping program to improve air and water quality

City wide leaf pick up: 1700 tons of leaves were removed from city streets in this permit year.

CSB to enhance salt brine de-icer, which results in less salt used on roadways.

The city currently establishes snow dumpsites within its corporate boundary. These sites are established based on needed volume of storage for specific areas of the city and to minimize possible snowmelt discharges directly to the waters of the U.S. Ideally these sites encourage ground infiltration of storm water and filtering across established vegetation during gradual spring snowmelt.

Appropriate BMP's are utilized in all construction and repair projects

Spill Kits in vehicles

Annual training includes storm water basics, pollution prevention, spill prevention and response, illicit discharge detection and reporting

Pollution Prevention and Good Housekeeping

Five department employees have completed a SEEP training class (Storm water Erosion Education Program)

Partners with Urban Forestry in the tree trimming program, for enhanced sweeping clearance

Vehicle wash water discharges to sanitary sewer. Drain is equipped with an oil water separator that is cleaned yearly

Use of sand and road deicers, including storage locations of and/or amounts used of deicing salts and/or abrasives,

The City of Coeur d'Alene uses both road deicers and sand sparingly with the focus on safety to the community. Deicers are used on arterial streets where volumes of traffic help carry the product. This allows use to be kept to a minimal amount. Temperatures above 18 degrees are optimum.

Sand is used only when roads become glazed with ice. Normally this will occur in residential side streets and that time we treat only major stops coming onto arterials; hills and tight corners.

Last year we used 87,000 gallons of de-icer and 650 tons of sand.

We make and store our own deicer. We have only one storage site and it is here at the corporate shop at 3800 Ramsey Road. This site is monitored by the Idaho Panhandle Health District

Fleet Maintenance and vehicle car washing

The shop includes a vehicle wash area that drains into a water oil separator. Most city vehicles are washed at local commercial car washes facilities. This bay is goes in to the wastewater pipe that is cleared through the treatment plant. The steam cleaner site is drained into an oil/ water sump that is cleaned yearly by a disposal company.

Parks Department:

During the 2015 permit year, the parks department fertilized the turf with half of the recommended rate and applied 6 times in the season instead of the 3 applications as was done in the past. The idea was to control the growth rate of the grass and not waste fertilizer that may have been leached out due to rain or irrigation.

Promotion and organization of Community Bike to Work Week

Employee training in storm water basics, pollution prevention, spill prevention and response, illicit discharge detection and reporting

9 Employees have a Professional Applicators License issued by the Idaho Department of Agriculture to handle and apply pesticides and herbicides

Soil sampling before fertilizer application

Water Conservation Irrigation Systems

Pollution Prevention and Good Housekeeping

Installation of Pet Waste Dispensers; during this permit year we added an additional four stations for a total of 20 within the city.

Trash pick-up along all City managed bike paths and hiking trails year round (except when snow is on the ground). Trash is picked up 3 times a week in the summer, two times a week in the colder seasons, and once a week in the winter

Public trees planted in 2015: 477 trees and 300 seedlings (within the right of way or in parks)

The Parks Department provides support for tree health and pruning educational programs

All trails are mowed and tree limbs trimmed up regularly in the spring, winter, and fall. The Parks Department promotes an educational program to encourage increased use of the trail system

Parks / Cemetery Shop were issued a Critical Materials Compliance Certificate from Panhandle Health Districts Aquifer Protection Program

Waste Water Department

Employee training in storm water basics, pollution prevention, spill prevention and response, illicit discharge detection and reporting

All on-site storm water is processed with the sanitary sewer before discharge

Treatment Plant operates under NPDES permit ID-002285-3

Treatment Plant has a Critical Materials Compliance Certificate, issued by Panhandle Health Districts Aquifer Protection Program

Fire Department

The Coeur d Alene Fire Department provides Hazardous Material responses at the Operations Level. At this level of training, all firefighters are trained to recognize a potential Haz-Mat incident, isolation of the incident, identify exposures, identify safety hazards to the public & responders, determine possible evacuations, take a defensive approach by possibly shutting off the source and protecting drains without coming in contact with the material or product.

- Initial Operations Level Training consists of 40 hours of Hazardous Materials Training and 8 hours of annual continuing education for all personnel.
- Annual Storm Water education (DVD based) provided by the City of Coeur d Alene.

Response Materials

- The CDA Fire Department stocks a ready supply of 3 ½" (10") absorbent tubing for the use of diking and containment booming on the water.
- A ready supply on responding units of absorbent pads (16"x16".)
- 5 gallons of absorbent for fluid hazards.
- Emergency response guide book in all response apparatus.

Pollution Prevention and Good Housekeeping

Additional Resources

- State of Idaho Hazardous Materials Team is located at Kootenai County Fire & Rescue, which is based within the City of Coeur d Alene. They provide Technician, Specialist & Incident Commander level services. They are activated through Boise State Communications if and when our Chief Officers determine the spill level to exceed our capabilities.

2) Within two years from the effective date of this permit and annually thereafter, the permittee must develop and conduct appropriate training for municipal employees related to optimum maintenance practices for protection of water quality. This training must be conducted at least once annually and address the activities specified in Part II.B.6.a.

Individual departments address best management practices in relation to their job tasks as a standing topic in their staff meetings. Appropriate city staff receives annual refresher courses on spill control & containment and illicit discharge detection. Engineering staff continually utilize the EPA website for training in relation to the permit components. Staff has attended presentations from EPA representatives on the Construction General Permit requirements. Appropriate staff has received SEEP (stormwater erosion education program) certifications. During this permit year training that addresses pollution prevention, spill prevention and illicit discharge detection was presented to all employees hired in 2015.

3) Within two years from the effective date of this permit, the permittee must prepare and implement storm water pollution prevention plans for the permittee's fleet maintenance/street department site and waste water treatment plant.

The Street / Fleet Maintenance Department are not located on or near the storm water conveyance system. Although not located near the conveyance system, our street department has developed best management practices in relation to pollution prevention. Routine maintenance, vehicle washing on site, discharge from these activities goes to the sanitary sewer. The street department is inspected by the Panhandle Health District's Aquifer Protection Program and was issued a Critical Materials Compliance Certificate.

The City's Waste Water Treatment Plant captures all on-site storm water and processes it as it does sanitary sewer. The plant operates under their own NPDES permit number ID-002285-3, which was issued December 01, 2014. The plant is also inspected by the Panhandle Health District Aquifer Protection Program and was issued a Critical Materials Compliance Certificate.

Monitoring Requirements

Monitoring Requirements		
Part IV.A.2	Evaluate City's compliance with the identified BMP's and progress toward achieving the minimum control measures and document in each annual report	Two years from the permit effective date
	Monitor the quality of storm water discharges from the MS4 / Conduct a storm water discharge monitoring program	18 months from the permit effective date
	Develop a quality assurance project plan (QAPP) monitoring storm water discharge. Must be submitted for review to EPA and IDEQ	Quality Assurance Project Plan, developed, reviewed, signed, submitted February 09,2010

1) Within 1 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.6. The permittee must develop and implement a monitoring program to:

- a) **estimate the pollutant loading currently discharged from the MS4**
- b) **assess the effectiveness and adequacy of control measures implemented through this permit; and**
- c) **identify and prioritize those portions of the MS4 requiring additional controls**

During this permit year eight samples were collected, four at each of our monitoring stations. Additional sampling years are needed to assess the effectiveness and adequacy of the control measures implemented in the permit. Additional data collection / evaluation are necessary to determine the need for additional control actions and to determine the priority of actions.

Monitoring Requirements

2) No later than 18 months from the effective date of this permit, the permittee must conduct a storm water discharge monitoring program which meet the following minimum requirements:

- a) the permittee must sample at least one storm water outfall discharging to the Spokane River, and at least one storm water outfall discharging to Lake Coeur d'Alene, each representing the largest or highest flow discharges from the MS4**
- b) the permittee must monitor the storm water discharges for the pollutants as identified in Table IV.A.**

This is the sixth year of our monitoring program. The City began our program with the installation of two automatic monitoring sites. Station 1, discharges to Lake Coeur d Alene and Station 2, discharges to the Spokane River. During this permit year four samples were collected from each station. The lab results from those samples are on the following pages.

Monitoring Requirements



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City of Coeur d'Alene 710 E. Mullan Ave. Coeur d'Alene, ID 83814	Project Name: Stormwater Monitoring Work Order: W5B0124 Reported: 18-Feb-15 11:14
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Client Sample ID: **Station 1 (19th St)** Sampled: 09-Feb-15 12:13
 SVL Sample ID: **W5B0124-01 (Other)** Received: 09-Feb-15
 Sample Report Page 1 of 1 Sampled By: KH

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	6.46	mg/L	0.040	0.014		W507134	MCE	02/12/15 14:24	
EPA 200.7	Lead	0.0115	mg/L	0.0075	0.0019		W507134	MCE	02/12/15 14:24	
EPA 200.7	Magnesium	2.49	mg/L	0.20	0.06		W507134	MCE	02/12/15 14:24	
EPA 200.7	Zinc	0.083	mg/L	0.010	0.002		W507134	MCE	02/12/15 14:24	
SM 2340B	Hardness (as CaCO3)	26.4	mg/L	0.923	0.263		N/A		02/12/15 14:24	
Classical Chemistry Parameters										
ASTM D-5176	Total Nitrogen	1.08	mg/L	0.50	0.15		W508061	SM	02/16/15 16:40	
SM 2540 D	Total Susp. Solids	166	mg/L	5.0			W507143	JDM	02/11/15 13:10	
SM 4500-P-E	Phosphorus	0.312	mg/L	0.010	0.004		W508065	SM	02/17/15 14:33	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

John Kern
Laboratory Director

Monitoring Requirements

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Client: COEUR D'ALENE WASTEWATER DEPT **Batch #:** 150210054
Address: 710 MULLAN- CITY HALL **Project Name:** SVL #W5B0124
 COEUR D'ALENE, ID 83814
Attn: KIM HARRINGTON

Analytical Results Report

Sample Number	150210054-001	Sampling Date	2/9/2015	Date/Time Received	2/10/2015 4:20 PM
Client Sample ID	STATION 1 (19TH ST)	Sampling Time	12:13 PM	Extraction Date	2/17/2015
Matrix	Water	Sample Location	W5B0124-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Aroclor 1016 (PCB-1016)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
Aroclor 1221 (PCB-1221)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
Aroclor 1232 (PCB-1232)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
Aroclor 1242 (PCB-1242)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
Aroclor 1248 (PCB-1248)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
Aroclor 1254 (PCB-1254)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
Aroclor 1260 (PCB-1260)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
PCB (total)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	

Surrogate Data

Sample Number	Surrogate Standard	Method	Percent Recovery	Control Limits
150210054-001	DCB	EPA 8082	78.0	30-130

Monitoring Requirements



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City of Coeur d'Alene 710 E. Mullan Ave. Coeur d'Alene, ID 83814	Project Name: Stormwater Monitoring Work Order: W5C0376 Reported: 06-Apr-15 16:40
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Client Sample ID: **Station 1 (19th St)**
SVL Sample ID: **W5C0376-01 (Other)**

Sampled: 23-Mar-15 07:13
Received: 23-Mar-15
Sampled By: KH

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	5.29	mg/L	0.040	0.014		W514032	DT	04/06/15 14:50	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0019		W514032	DT	04/06/15 14:33	
EPA 200.7	Magnesium	0.81	mg/L	0.20	0.06		W514032	DT	04/06/15 14:50	
EPA 200.7	Zinc	0.032	mg/L	0.010	0.002		W514032	DT	04/06/15 14:33	
SM 2340B	Hardness (as CaCO3)	16.6	mg/L	0.923	0.263		N/A		04/06/15 14:50	
Classical Chemistry Parameters										
ASTM D-5176	Total Nitrogen	1.04	mg/L	0.50	0.15		W514055	SM	03/31/15 13:42	
SM 2540 D	Total Susp. Solids	19.0	mg/L	5.0			W513137	JDM	03/26/15 16:10	
SM 4500-P-E	Phosphorus	0.154	mg/L	0.010	0.004		W514090	SM	03/31/15 15:48	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Kirby Gray
Technical Director

Monitoring Requirements

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Client: COEUR D'ALENE WASTEWATER DEPT **Batch #:** 150324055
Address: 710 MULLAN- CITY HALL **Project Name:** SVL #W5C0376
 COEUR D'ALENE, ID 83814
Attn: KIM HARRINGTON

Analytical Results Report

Sample Number	150324055-001	Sampling Date	3/23/2015	Date/Time Received	3/24/2015 3:40 PM
Client Sample ID	STATION 1 (19TH ST)	Sampling Time	7:13 AM	Extraction Date	3/26/2015
Matrix	Water	Sample Location	W5C0376-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Aroclor 1016 (PCB-1016)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
Aroclor 1221 (PCB-1221)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
Aroclor 1232 (PCB-1232)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
Aroclor 1242 (PCB-1242)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
Aroclor 1248 (PCB-1248)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
Aroclor 1254 (PCB-1254)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
Aroclor 1260 (PCB-1260)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
PCB (total)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	

Surrogate Data

Sample Number	Surrogate Standard	Method	Percent Recovery	Control Limits
150324055-001	DCB	EPA 8082	62.4	30-130

Monitoring Requirements



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City of Coeur d'Alene 710 E. Mullan Ave. Coeur d'Alene, ID 83814	Project Name: Stormwater Monitoring Work Order: W5G0236 Reported: 24-Jul-15 08:41
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Client Sample ID: **Station 1 (19th St)**
SVL Sample ID: **W5G0236-01 (Other)**

Sample Report Page 1 of 1

Sampled: 11-Jul-15 07:22
Received: 13-Jul-15
Sampled By: KH

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	8.66	mg/L	0.100	0.029		W529140	AS	07/16/15 10:54	
EPA 200.7	Lead	0.0101	mg/L	0.0075	0.0015		W529140	AS	07/16/15 10:54	
EPA 200.7	Magnesium	2.11	mg/L	0.20	0.06		W529140	AS	07/16/15 10:54	
EPA 200.7	Zinc	0.169	mg/L	0.010	0.002		W529140	AS	07/16/15 10:54	
SM 2340B	Hardness (as CaCO3)	30.3	mg/L	1.07	0.299		N/A		07/16/15 10:54	
Classical Chemistry Parameters										
ASTM D-5176	Total Nitrogen	2.56	mg/L	0.50	0.06		W530087	SM	07/21/15 17:07	
SM 2540 D	Total Susp. Solids	55.0	mg/L	5.0			W529125	JDM	07/15/15 15:45	
SM 4500-P-E	Phosphorus	1.08	mg/L	0.020	0.010	2	W530096	SM	07/22/15 16:36	D2

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Kirby Gray
Technical Director

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Client: COEUR D'ALENE WASTEWATER DEPT **Batch #:** 150715046
Address: 710 MULLAN- CITY HALL **Project Name:** SVL #W5G0236
 COEUR D'ALENE, ID 83814
Attn: KIM HARRINGTON

Analytical Results Report

Sample Number	150715046-001	Sampling Date	7/11/2015	Date/Time Received	7/15/2015 12:00 PM
Client Sample ID	STATION 1 (19TH ST)	Sampling Time	7:22 AM	Extraction Date	7/16/2015
Matrix	Water	Sample Location	W5G0236-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Aroclor 1016 (PCB-1016)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
Aroclor 1221 (PCB-1221)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
Aroclor 1232 (PCB-1232)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
Aroclor 1242 (PCB-1242)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
Aroclor 1248 (PCB-1248)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
Aroclor 1254 (PCB-1254)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
Aroclor 1260 (PCB-1260)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
PCB (total)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	

Surrogate Data

Sample Number	Surrogate Standard	Method	Percent Recovery	Control Limits
150715046-001	DCB	EPA 8082	80.0	30-130

Monitoring Requirements



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City of Coeur d'Alene 710 E. Mullan Ave. Coeur d Alene, ID 83814	Project Name: Stormwater Monitoring Work Order: W510135 Reported: 22-Sep-15 11:26
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Client Sample ID: **Station 1 (19th St)** Sampled: 05-Sep-15 07:38
 SVL Sample ID: **W510135-01 (Other)** Received: 08-Sep-15
 Sample Report Page 1 of 1 Sampled By: KH

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	8.53	mg/L	0.100	0.029		W537100	AS	09/18/15 08:22	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0015		W537100	AS	09/18/15 08:22	
EPA 200.7	Magnesium	1.53	mg/L	0.20	0.06		W537100	AS	09/18/15 08:22	
EPA 200.7	Zinc	0.065	mg/L	0.010	0.002		W537100	AS	09/18/15 08:22	
SM 2340B	Hardness (as CaCO3)	27.6	mg/L	1.07	0.299		N/A		09/18/15 08:22	
Classical Chemistry Parameters										
ASTM D-5176	Total Nitrogen	2.00	mg/L	0.50	0.13		W538156	SM	09/16/15 12:17	M2
SM 2540 D	Total Susp. Solids	49.0	mg/L	5.0			W537143	JDM	09/10/15 19:15	
SM 4500-P-E	Phosphorus	0.272	mg/L	0.010	0.005		W538045	SM	09/14/15 14:16	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Kirby Gray
Technical Director

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Client: COEUR D'ALENE WASTEWATER DEPT **Batch #:** 150910016
Address: 710 MULLAN- CITY HALL **Project Name:** SVL #W5I0135
COEUR D'ALENE, ID 83814
Attn: KIM HARRINGTON

Analytical Results Report

Sample Number 150910016-001 **Sampling Date** 9/5/2015 **Date/Time Received** 9/10/2015 10:45 AM
Client Sample ID STATION 1 (19TH ST) **Sampling Time** 7:38 AM **Extraction Date** 9/16/2015
Matrix Water **Sample Location** W5I0135-01
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Aroclor 1016 (PCB-1016)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
Aroclor 1221 (PCB-1221)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
Aroclor 1232 (PCB-1232)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
Aroclor 1242 (PCB-1242)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
Aroclor 1248 (PCB-1248)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
Aroclor 1254 (PCB-1254)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
Aroclor 1260 (PCB-1260)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
PCB (total)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	

Surrogate Data

Sample Number	Surrogate Standard	Method	Percent Recovery	Control Limits
150910016-001	DCB	EPA 8082	80.2	30-130

Monitoring Requirements



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City of Coeur d'Alene 710 E. Mullan Ave. Coeur d'Alene, ID 83814	Project Name: Stormwater Monitoring Work Order: W5B0124 Reported: 18-Feb-15 11:14
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Client Sample ID: **Station 2 (Bellerive)**
SVL Sample ID: **W5B0124-02 (Other)**

Sampled: 09-Feb-15 12:34
Received: 09-Feb-15
Sampled By: KH

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	10.1	mg/L	0.040	0.014		W507134	MCE	02/12/15 14:28	
EPA 200.7	Lead	0.0221	mg/L	0.0075	0.0019		W507134	MCE	02/12/15 14:28	
EPA 200.7	Magnesium	6.02	mg/L	0.20	0.06		W507134	MCE	02/12/15 14:28	
EPA 200.7	Zinc	0.319	mg/L	0.010	0.002		W507134	MCE	02/12/15 14:28	
SM 2340B	Hardness (as CaCO3)	50.0	mg/L	0.923	0.263		N/A		02/12/15 14:28	
Classical Chemistry Parameters										
ASTM D-5176	Total Nitrogen	0.50	mg/L	0.50	0.15		W508061	SM	02/16/15 17:11	
SM 2540 D	Total Susp. Solids	186	mg/L	10.0			W507143	JDM	02/11/15 13:10	D1
SM 4500-P-E	Phosphorus	0.621	mg/L	0.010	0.004		W508065	SM	02/17/15 14:33	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

John Kern
Laboratory Director

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Client: COEUR D'ALENE WASTEWATER DEPT **Batch #:** 150210054
Address: 710 MULLAN- CITY HALL **Project Name:** SVL #W5B0124
 COEUR D'ALENE, ID 83814
Attn: KIM HARRINGTON

Analytical Results Report

Sample Number	150210054-002	Sampling Date	2/9/2015	Date/Time Received	2/10/2015 4:20 PM
Client Sample ID	STATION 2 (BELLERIVE)	Sampling Time	12:34 PM	Extraction Date	2/17/2015
Matrix	Water	Sample Location	W5B0124-02		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Aroclor 1016 (PCB-1016)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
Aroclor 1221 (PCB-1221)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
Aroclor 1232 (PCB-1232)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
Aroclor 1242 (PCB-1242)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
Aroclor 1248 (PCB-1248)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
Aroclor 1254 (PCB-1254)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
Aroclor 1260 (PCB-1260)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	
PCB (total)	ND	ug/L	0.2	2/19/2015	MAH	EPA 8082	

Surrogate Data

Sample Number	Surrogate Standard	Method	Percent Recovery	Control Limits
150210054-002	DCB	EPA 8082	75.6	30-130

Monitoring Requirements



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City of Coeur d'Alene 710 E. Mullan Ave. Coeur d'Alene, ID 83814	Project Name: Stormwater Monitoring Work Order: W5C0376 Reported: 06-Apr-15 16:40
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Client Sample ID: **Station 2 (Bellerive)**
 SVL Sample ID: **W5C0376-02 (Other)**

Sampled: 23-Mar-15 07:29
 Received: 23-Mar-15
 Sampled By: KH

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	5.21	mg/L	0.040	0.014		W514032	DT	04/06/15 15:00	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0019		W514032	DT	04/06/15 14:42	
EPA 200.7	Magnesium	1.32	mg/L	0.20	0.06		W514032	DT	04/06/15 15:00	
EPA 200.7	Zinc	0.074	mg/L	0.010	0.002		W514032	DT	04/06/15 14:42	
SM 2340B	Hardness (as CaCO3)	18.4	mg/L	0.923	0.263		N/A		04/06/15 15:00	
Classical Chemistry Parameters										
ASTM D-5176	Total Nitrogen	0.65	mg/L	0.50	0.15		W514055	SM	03/31/15 14:12	
SM 2540 D	Total Susp. Solids	104	mg/L	5.0			W513137	JDM	03/26/15 16:10	
SM 4500-P-E	Phosphorus	0.097	mg/L	0.010	0.004		W514090	SM	03/31/15 15:48	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Kirby Gray
 Technical Director

Monitoring Requirements

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Client: COEUR D'ALENE WASTEWATER DEPT **Batch #:** 150324055
Address: 710 MULLAN- CITY HALL **Project Name:** SVL #W5C0376
 COEUR D'ALENE, ID 83814
Attn: KIM HARRINGTON

Analytical Results Report

Sample Number	150324055-002	Sampling Date	3/23/2015	Date/Time Received	3/24/2015	3:40 PM
Client Sample ID	STATION 2 (BELLERIVE)	Sampling Time	7:29 AM	Extraction Date	3/26/2015	
Matrix	Water	Sample Location	W5C0376-02			
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Aroclor 1016 (PCB-1016)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
Aroclor 1221 (PCB-1221)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
Aroclor 1232 (PCB-1232)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
Aroclor 1242 (PCB-1242)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
Aroclor 1248 (PCB-1248)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
Aroclor 1254 (PCB-1254)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
Aroclor 1260 (PCB-1260)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	
PCB (total)	ND	ug/L	0.2	3/26/2015	MAH	EPA 8082	

Surrogate Data

Sample Number	Surrogate Standard	Method	Percent Recovery	Control Limits
150324055-002	DCB	EPA 8082	76.0	30-130

Monitoring Requirements



www.svl.net One Government Gulch - PO Box 929 Kellogg ID 83837-0929 (208) 784-1258 Fax (208) 783-0891

City of Coeur d'Alene 710 E. Mullan Ave. Coeur d Alene, ID 83814	Project Name: Stormwater Monitoring Work Order: W5G0236 Reported: 24-Jul-15 08:41
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Client Sample ID: **Station 2 (Bellerive)**

Sampled: 11-Jul-15 07:40

SVL Sample ID: **W5G0236-02 (Other)**

Received: 13-Jul-15

Sample Report Page 1 of 1

Sampled By: KH

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	11.1	mg/L	0.100	0.029		W529140	AS	07/16/15 10:56	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0015		W529140	AS	07/16/15 10:56	
EPA 200.7	Magnesium	9.72	mg/L	0.20	0.06		W529140	AS	07/16/15 10:56	
EPA 200.7	Zinc	0.102	mg/L	0.010	0.002		W529140	AS	07/16/15 10:56	
SM 2340B	Hardness (as CaCO3)	67.7	mg/L	1.07	0.299		N/A		07/16/15 10:56	
Classical Chemistry Parameters										
ASTM D-5176	Total Nitrogen	2.30	mg/L	0.50	0.06		W530087	SM	07/21/15 17:38	
SM 2540 D	Total Susp. Solids	16.0	mg/L	5.0			W529125	JDM	07/15/15 15:45	
SM 4500-P-E	Phosphorus	0.447	mg/L	0.010	0.005		W530096	SM	07/22/15 16:36	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Kirby Gray
Technical Director

Monitoring Requirements

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: COEUR D'ALENE WASTEWATER DEPT **Batch #:** 150715046
Address: 710 MULLAN- CITY HALL **Project Name:** SVL #W5G0236
COEUR D'ALENE, ID 83814
Attn: KIM HARRINGTON

Analytical Results Report

Sample Number 150715046-002 **Sampling Date** 7/11/2015 **Date/Time Received** 7/15/2015 12:00 PM
Client Sample ID STATION 2 (BELLERIVE) **Sampling Time** 7:40 AM **Extraction Date** 7/16/2015
Matrix Water **Sample Location** W5G0236-02
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Aroclor 1016 (PCB-1016)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
Aroclor 1221 (PCB-1221)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
Aroclor 1232 (PCB-1232)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
Aroclor 1242 (PCB-1242)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
Aroclor 1248 (PCB-1248)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
Aroclor 1254 (PCB-1254)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
Aroclor 1260 (PCB-1260)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	
PCB (total)	ND	ug/L	0.2	7/23/2015	MAH	EPA 8082	

Surrogate Data

Sample Number 150715046-002
Surrogate Standard DCB **Method** EPA 8082 **Percent Recovery** 85.6 **Control Limits** 30-130

Monitoring Requirements



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City of Coeur d'Alene 710 E. Mullan Ave. Coeur d Alene, ID 83814	Project Name: Stormwater Monitoring Work Order: W510135 Reported: 22-Sep-15 11:26
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Client Sample ID: **Station 2 (Bellerive)**

SVL Sample ID: **W510135-02 (Other)**

Sample Report Page 1 of 1

Sampled: 05-Sep-15 07:55
Received: 08-Sep-15
Sampled By: KH

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	9.77	mg/L	0.100	0.029		W537100	AS	09/18/15 08:24	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0015		W537100	AS	09/18/15 08:24	
EPA 200.7	Magnesium	3.73	mg/L	0.20	0.06		W537100	AS	09/18/15 08:24	
EPA 200.7	Zinc	0.135	mg/L	0.010	0.002		W537100	AS	09/18/15 08:24	
SM 2340B	Hardness (as CaCO3)	39.8	mg/L	1.07	0.299		N/A		09/18/15 08:24	
Classical Chemistry Parameters										
ASTM D-5176	Total Nitrogen	1.51	mg/L	0.50	0.13		W538156	SM	09/16/15 12:53	
SM 2540 D	Total Susp. Solids	55.0	mg/L	5.0			W537143	JDM	09/10/15 19:15	
SM 4500-P-E	Phosphorus	0.294	mg/L	0.010	0.005		W538045	SM	09/14/15 14:16	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Kirby Gray
Technical Director

Monitoring Requirements

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: COEUR D'ALENE WASTEWATER DEPT **Batch #:** 150910016
Address: 710 MULLAN- CITY HALL **Project Name:** SVL #W5I0135
 COEUR D'ALENE, ID 83814
Attn: KIM HARRINGTON

Analytical Results Report

Sample Number	150910016-002	Sampling Date	9/5/2015	Date/Time Received	9/10/2015 10:45 AM
Client Sample ID	STATION 2 (BELLERIVE)	Sampling Time	7:55 AM	Extraction Date	9/16/2015
Matrix	Water	Sample Location	W5I0135-02		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Aroclor 1016 (PCB-1016)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
Aroclor 1221 (PCB-1221)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
Aroclor 1232 (PCB-1232)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
Aroclor 1242 (PCB-1242)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
Aroclor 1248 (PCB-1248)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
Aroclor 1254 (PCB-1254)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
Aroclor 1260 (PCB-1260)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	
PCB (total)	ND	ug/L	0.2	9/18/2015	MAH	EPA 8082	

Surrogate Data

Sample Number	Surrogate Standard	Method	Percent Recovery	Control Limits
150910016-002	DCB	EPA 8082	76.2	30-130