CITY OF POST FALLS

STORM WATER MANAGEMENT PROGRAM

2013 ANNUAL REPORT

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2013 ANNUAL REPORT

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City of Post Falls

2013 Annual Report on the Storm Water Program

MS4 Permit IDS-028231

INTRODUCTION

Pursuant to the referenced permit, Section IV. C. Reporting Requirements (see Appendix - A), this report summarizes the City's storm water program activities from January 1, 2013 to December 31, 2013. The requirements of Section IV.C. are:

1. Storm Water Discharge Monitoring Report must include:
   a. Dates of sample collection and analyses;
   b. Results of analytical samples collected;
   c. Location of sample collection;
   d. Estimates of the daily and/or monthly average pollutant loads for each pollutant at each sample location; and
   e. A cumulative annual estimate of pollutant loading for each parameter at each sample location, and an overall estimate of the contribution of pollutants from all storm water emanating from the Post Falls MS4.
2. Annual Report must include:
   a. Assess compliance with this permit and progress towards achieving the identified actions and activities for each minimum control measure in Parts II.B. and II.C. Status of each program area must be addressed, even if activity has previously been completed or has not yet been implemented;
   b. Results of any information collected and analyzed during the previous 12-month period, including stormwater discharge analytical results of samples collected, estimates of cumulative daily and monthly average pollutant loads for each pollutant at each sample location, water quality monitoring as noted in this part and any other information used to assess the success of the program at improving water quality to the maximum extent practicable;
   c. A summary of the number and nature of inspections, formal enforcement actions, and/or other similar activities performed;
   d. A summary list of any water quality compliance-related enforcement actions received from regulatory agencies other than EPA. Such action include, but are not limited to, formal or informal warning letters, notices of violation, field citations, or similar actions. This summary should include dates, project synopsis, and action taken to address the compliance issue(s);
   e. Copies of education materials, ordinances (or other regulatory mechanisms), inventories, guidance materials, or other products produced as a result of actions or activities required by this permit;
   f. A general summary of the activities the permittee plans to undertake during the next reporting cycle (including an implementation schedule) for each minimum control measure;
   g. A description and schedule for implementation of additional BMPs that may be necessary, based on monitoring results, to ensure compliance with applicable water quality standards;

h. Notice if the permittee is relying on another entity to satisfy any of the permit obligations, if applicable.

The following table summarizes the status of each of the IV.C. reporting requirements listed above and the location of documented data, analysis and discussion that are included in this report.

Item #	Section IV.C. Element	Current Status	Document Location
1	1.a.	Monitoring for this and the prior permit cycles is complete	Appendix - B
2	1.b.	Monitoring for this and the prior permit cycles is complete	Appendix - B
3	1.c.	Monitoring for this and the prior permit cycles is complete	Appendix - B
4	1.d.	Monitoring for this and the prior permit cycles is complete	Appendix - B
5	1.e.	Monitoring for this and the prior permit cycles is complete	Appendix - B
6	2.a.	The assessment of program control measures is included in this report	Appendix - C
7	2.b.	Results of the last 12 months' monitoring are included in this report	Appendix - D
8	2.c.	A summary of inspections and enforcement actions is included in this report	Appendix - E
9	2.d.	A summary of enforcement actions received is included in this report	Appendix - F
10	2.e.	Copies of permit-related products and materials produced during 2013 are included in this report	Appendix - G
11	2.f.	An implementation schedule and a summary of planned activities during the next reporting cycle is included in this report	Appendix - H
12	2.g.	A schedule of implementation and description of additional BMPs that may be needed to comply with water quality standards are included in this report	Appendix - I
13	2.h.	The City of Post Falls did not rely on another entity for any of its permit obligations during this permit cycle.	None Required

APPENDIX – A

REPORTING REQUIREMENTS LIST

C. Reporting Requirements

1. **Storm Water Discharge Monitoring Report.** Within two years from the effective date of this permit, and annually thereafter, all available storm water discharge monitoring data must be submitted as part of the Annual Report. At a minimum, this Storm Water Discharge Monitoring Report must include:
   a) Dates of sample collection and analyses;
   b) Results of analytical samples collected;
   c) Location of sample collection;
   d) Estimates of the daily and/or monthly average pollutant loads for each pollutant at each sample location; and
   e) A cumulative annual estimate of pollutant loading for each parameter at each sample location, and an overall annual estimate of the contribution of pollutants from all storm water emanating from the Post Falls MS4.
2. **Annual Report.** No later than February 15 of each year beginning in year 2010, the permittee shall submit an Annual Report to EPA and IDEQ. The reporting period for the first annual report will be from the effective date of this permit through December 31, 2009. The reporting period for all subsequent annual reports shall be the previous calendar year. Copies of all Annual Reports must be made available to the public, at a minimum, through a permittee-maintained website. The following information must be contained in each Annual Report:
   a) The report must assess compliance with this permit and progress towards achieving the identified actions and activities for each minimum control measure in Parts II.B and II.C. Status of each program area must be addressed, even if activity has previously been completed or has not yet been implemented;
   b) Results of any information collected and analyzed during the previous 12 month period, including stormwater discharge analytical results of samples collected, estimates of cumulative daily and monthly average pollutant loads for each pollutant at each sample location, water quality monitoring as noted in this part and any other information used to assess the success of the program at improving water quality to the maximum extent practicable;
   c) A summary of the number and nature of inspections, formal enforcement actions, and/or other similar activities performed;
   d) A summary list of any water quality compliance-related enforcement actions received from regulatory agencies other than EPA. Such actions include, but are not limited to, formal or informal warning letters, notices of violation, field citations, or similar actions. This summary should include dates, project synopsis, and actions taken to address the compliance issue(s);

e) Copies of education materials, ordinances (or other regulatory mechanisms), inventories, guidance materials, or other products produced as a result of actions or activities required by this permit;

f) A general summary of the activities the permittee plans to undertake during the next reporting cycle (including an implementation schedule) for each minimum control measure;

g) A description and schedule for implementation of additional BMPs that may be necessary, based on monitoring results, to ensure compliance with applicable water quality standards;

h) Notice if the permittee is relying on another entity to satisfy any of the permit obligations, if applicable.

D. Addresses. Reports and other documents required by this permit must be signed in accordance with Part VI.E and submitted to each of the following addresses:

EPA: United States Environmental Protection Agency
Attention: Storm Water Program
NPDES Compliance Unit
1200 6th Avenue, Suite 900 (OCE-133)
Seattle, WA 98101

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

APPENDIX – B

MONITORING RESULTS FOR CURRENT PERMIT CYCLE

2010

Stormwater/Events Data Files/Water Quality Data

	PQL	Method
TSS, mg/L	0.17	SM2340
TP, mg/L	0.05	EPA365.3
Lead, mg/L	0.002	SM3113
TN, mg/L	0.05	SM 4500N B/4110
Zinc, mg/L	0.013	SM3120
Hardness, mg/L	0.2	SM2340
PCBs, ug/L	0.2	EPA 8082

Concentration					
	4th Avenue Outfall				
Sample Date	8/12/2009	3/17/2010	5/19/2010	8/11/2010	9/16/2010
TSS, mg/L	63	192	372.00	32	84
TP, mg/L	0.179	0.070	0.573	0.578	0.274
Lead, mg/L	0.006	0.018	0.02	ND	0.011
TN, mg/L	1.01	2.27	3.02	5.19	2.54
Zinc, mg/L	0.061	0.21	0.39	0.193	0.191
Hardness, mg/L	18.2	34.7	97.80	67.8	51.3
PCBs, ug/L	ND	ND	ND	ND	ND
Discharge Volume (cubic feet)	63,538	7,820	20,528	4,888	4,888
Discharge volume (gallons)	475,261	58,494	153,546	36,559	36,559

2010

Stormwater/Events Data Files/Water Quality Data

	PQL	Method
TSS, mg/L	0.17	SM2340
TP, mg/L	0.05	EPA365.3
Lead, mg/L	0.002	SM3113
TN, mg/L	0.05	SM 4500N B/4110
Zinc, mg/L	0.013	SM3120
Hardness, mg/L	0.2	SM2340
PCBs, ug/L	0.2	EPA 8082

Concentration					
	Centennial Trail Outfall				
Sample Date	8/12/2009	3/17/2010	5/19/2010	8/11/2010	9/16/2010
TSS, mg/L	80	545	328	960	76
TP, mg/L	0.202	0.930	0.448	1.11	0.2
Lead, mg/L	0.01	0.03	0.019	0.079	0.009
TN, mg/L	1.11	4.3	2.51	7.68	2.83
Zinc, mg/L	0.176	0.79	0.289	3.05	0.284
Hardness, mg/L	25.9	85.7	49.6	290	38.9
PCBs, ug/L	ND	ND	ND	ND	ND
Discharge Volume (cubic feet)	19,202	2,363	6,204	1,477	1,477
Discharge volume (gallons)	143,631	17,678	46,404	11,049	11,049

2010

Stormwater/Events Data Files/Water Quality Data

Event Pollutant Discharge (lbs)					
	4th Avenue Outfall				
Sample Date	8/12/2009	3/17/2010	5/19/2010	8/11/2010	9/16/2010
TSS	249.86	93.72	476.66	9.76	25.63
TP	0.71	0.03	0.73	0.18	0.08
Lead	0.024	0.009	0.028	ND	0.003
TN	4.01	1.11	3.87	1.58	0.77
Zinc	0.24	0.10	0.50	0.06	0.06
Hardness	72.18	16.94	125.32	20.68	15.65
PCBs	ND	ND	ND	ND	ND
Discharge Volume (gallons)	475,261	58,494	153,546	36,559	36,559
Event Precip (inches)	0.65	0.08	0.21	0.05	0.04
Inches per year =	30.26	Per USBR AgriMet Station RTHI for calendar year			

*Estimate only, subject to errors and assumptions.

2010

Stormwater/Events Data Files/Water Quality Data

Event Pollutant Discharge (lbs)					
	Centennial Trail Outfall				
Sample Date	8/12/2009	3/17/2010	5/19/2010	8/11/2010	9/16/2010
TSS	95.89	80.40	127.01	88.51	7.01
TP	0.24	0.14	0.17	0.10	0.02
Lead	0.012	0.004	0.007	0.007	ND
TN	1.33	0.63	0.97	0.71	0.26
Zinc	0.21	0.12	0.11	0.28	0.03
Hardness	31.04	12.64	19.21	26.74	3.59
PCBs	ND	ND	ND	ND	ND
Discharge Volume (gallons)	143,631	17,678	46,404	11,049	11,049
Event Precip (inches)	0.65	0.08	0.21	0.05	0.05
Inches per year =	30.26	Per USBR AgriMet Station RTHI for calendar year			

*Estimate only, subject to errors and assumptions.

Estimate of Pollutant Load/Inch Precip (lbs/inch)					
	4th Avenue Outfall				
Sample Date	8/12/2009	3/17/2010	5/19/2010	8/11/2010	9/16/2010
TSS	384.40	1171.51	2269.80	195.25	640.67
TP	1.09	0.43	3.50	3.53	2.09
Lead	0.04	0.11	0.13	ND	0.08
TN	6.16	13.85	18.43	31.67	19.37
Zinc	0.37	1.28	2.39	1.18	1.46
Hardness	111.05	211.73	596.74	413.69	391.27
PCBs	ND	ND	ND	ND	ND
Discharge Volume (gallons)	475,261	58,494	153,546	36,559	36,559

*Estimate only, subject to errors and assumptions.

Estimate of Pollutant Load/Inch Precip (lbs/inch)					
	Centennial Trail Outfall				
Sample Date	8/12/2009	3/17/2010	5/19/2010	8/11/2010	9/16/2010
TSS	147.52	1004.98	604.83	1770.24	140.14
TP	0.37	1.71	0.83	2.05	0.37
Lead	0.02	0.06	0.04	0.15	ND
TN	2.05	7.93	4.63	14.16	5.22
Zinc	0.32	1.46	0.53	5.62	0.52
Hardness	47.76	158.03	91.46	534.76	71.73
PCBs	ND	ND	ND	ND	ND
Discharge Volume (gallons)	143,631	17,678	46,404	11,049	11,049

*Estimate only, subject to errors and assumptions.

2010 Average Annual Load, lbs/day*

	4th	Centennial	Total
TSS	77.29	60.81	138
TP	0.18	0.09	0.26
Lead	ND	ND	ND
TN	1.48	0.56	2.05
Zinc	0.11	0.14	0.25
Hardness	28.59	14.98	43.58
PCBs	ND	ND	ND

*Estimate only, subject to errors and assumptions.

2010 Average Annual Load, lbs/year*

	4th	Centennial	Total
TSS	28,212	22,197	50,409
TP	64.35	32.25	96.60
Lead	ND	ND	ND
TN	541.53	205.68	747.21
Zinc	40.39	51.21	91.60
Hardness	10,436	5,469	15,906
PCBs	ND	ND	ND

*Estimate only, subject to errors and assumptions.

2011

Stormwater/Events Data Files/Water Quality Data

	PQL	Method
TSS, mg/L	1	SM2540
TP, mg/L	0.025	EPA365.3
Lead, mg/L	0.01	SM3120
TN, mg/L	0.08	SM 4500N B/4110
Zinc, mg/L	0.013	SM3120
Hardness, mg/L	0.2	SM2340
PCBs, ug/L	0.2	EPA 8082

Concentration					
	4th Avenue Outfall				
Sample Date	3/10/11	5/7/11	5/15/11	7/13/11	9/27/11
TSS, mg/L	135	14	142	173	60
TP, mg/L	0.159	0.052	1.11	0.29	0.354
Lead, mg/L	0.011	ND	0.011	0.014	ND
TN, mg/L	0.75	0.58	4.88	1.19	3.5
Zinc, mg/L	0.13	0.033	0.23	0.21	0.15
Hardness, mg/L	36.5	20.1	72.40	1.36	41.1
PCBs, ug/L	ND	ND	ND	ND	ND
Discharge Volume (cubic feet)	7,820	34,213	74,290	41,055	67,448
Discharge volume (gallons)	58,494	255,910	555,690	307,092	504,508

2011

Stormwater/Events Data Files/Water Quality Data

	PQL	Method
TSS, mg/L	1	SM2540
TP, mg/L	0.025	EPA365.3
Lead, mg/L	0.01	SM3120
TN, mg/L	0.08	SM 4500N B/4110
Zinc, mg/L	0.013	SM3120
Hardness, mg/L	0.2	SM2340
PCBs, ug/L	0.2	EPA 8082

Concentration					
	Centennial Trail Outfall				
Sample Date	3/10/11	5/7/11	5/15/11	7/13/11	9/27/11
TSS, mg/L	260	18	164.00	260	54
TP, mg/L	0.261	0.062	1.02	0.345	0.223
Lead, mg/L	0.018	ND	0.013	0.02	ND
TN, mg/L	1.05	0.76	3.40	1.64	2.8
Zinc, mg/L	0.29	0.11	0.37	0.37	0.33
Hardness, mg/L	55.2	24.6	90.50	2.55	45.2
PCBs, ug/L	ND	ND	ND	ND	ND
Discharge Volume (cubic feet)	2,363	10,340	22,452	12,407	20,384
Discharge volume (gallons)	17,678	77,340	167,938	92,808	152,470

2011

Stormwater/Events Data Files/Water Quality Data

Event Pollutant Discharge (lbs)					
	4th Avenue Outfall				
Sample Date	3/10/11	5/7/11	5/15/11	7/13/11	9/27/11
TSS	65.90	29.90	658.49	443.34	252.61
TP	0.08	0.11	5.15	0.74	1.49
Lead	0.005	ND	0.051	0.036	ND
TN	0.37	1.24	22.63	3.05	14.74
Zinc	0.06	0.07	1.07	0.54	0.63
Hardness	17.82	42.92	335.74	3.49	173.04
PCBs	ND	ND	ND	ND	ND
Discharge Volume (gallons)	58,494	255,910	555,690	307,092	504,508
Event Precip (inches)	0.08	0.35	0.76	0.42	0.69
Inches per year =	26.47	Per USBR AgriMet Station RTHI for calendar year			

Estimated Load/Inch Precip (lbs/inch)					
	4th Avenue Outfall				
Sample Date	3/10/11	5/7/11	5/15/11	7/13/11	9/27/11
TSS	823.72	85.42	866.43	1055.58	366.10
TP	0.97	0.32	6.77	1.77	2.16
Lead	0.07	ND	0.07	0.09	ND
TN	4.58	3.54	29.78	7.26	21.36
Zinc	0.79	0.20	1.40	1.28	0.92
Hardness	222.71	122.64	441.76	8.30	250.78
PCBs	ND	ND	ND	ND	ND
Disch Vol (gals.)	58,494	255,910	555,690	307,092	504,508

2011

Stormwater/Events Data Files/Water Quality Data

Event Pollutant Discharge (lbs)					
	Centennial Trail Outfall				
Sample Date	3/10/11	5/7/11	5/15/11	7/13/11	9/27/11
TSS	38.36	11.62	229.84	201.36	68.71
TP	0.04	0.04	1.43	0.27	0.28
Lead	0.003	ND	0.018	0.015	ND
TN	0.15	0.49	4.76	1.27	3.56
Zinc	0.04	0.07	0.52	0.29	0.42
Hardness	8.14	15.88	126.83	1.97	57.51
PCBs	ND	ND	ND	ND	ND
Discharge Volume (gallons)	17,678	77,340	167,938	92,808	152,470
Event Precip (inches)	0.08	0.35	0.76	0.42	0.69
Inches per year =	26.47	Per USBR AgriMet Station RTHI for calendar year			

Estimated Load/Inch Precip (lbs/inch)					
	Centennial Trail Outfall				
Sample Date	3/10/11	5/7/11	5/15/11	7/13/11	9/27/11
TSS	479.44	33.19	302.42	479.44	99.58
TP	0.48	0.11	1.88	0.64	0.41
Lead	0.03	ND	0.02	0.04	ND
TN	1.94	1.40	6.27	3.02	5.16
Zinc	0.53	0.20	0.68	0.68	0.61
Hardness	101.79	45.36	166.88	4.70	83.35
PCBs	ND	ND	ND	ND	ND
Disch Vol (gals.)	17,678	77,340	167,938	92,808	152,470

2011 Average Annual Load, lbs/day*			
	4th	Centennial	Total
TSS	46	19	65
TP	0.17	0.05	0.22
Lead	0.00319	0.00136	0.00
TN	0.96	0.18	1.15
Zinc	0.07	0.03	0.10
Hardness	15.17	4.62	19.80
PCBs	ND	ND	ND
*Estimate only, subject to errors and assumptions.			

2011 Average Annual Load, lbs/year*			
	4th	Centennial	Total
TSS	16,926	6,853	23,779
TP	63.5	16.5	80.0
Lead	1.16	0.50	1.66
TN	352.09	66.87	418.96
Zinc	24.3	11.1	35.5
Hardness	5,538	1,687	7,226
PCBs	ND	ND	ND
*Estimate only, subject to errors and assumptions.			

2012

Stormwater/Events Data Files/Water Quality Data

4th Avenue Outfall

	PQL	Method
TSS, mg/L	1	SM2540
TP, mg/L	0.025	EPA365.3
Lead, mg/L	0.01	SM3120
TN, mg/L	0.08	SM 4500N B/4110
Zinc, mg/L	0.013	SM3120
Hardness, mg/L	0.2	SM2340
PCBs, ug/L	0.2	EPA 8082

Concentration					
	4th Avenue Outfall				
Sample Date	3/12/12	4/4/12	5/2/12	7/15/12	10/15/12
TSS, mg/L	208	80	30	74	120
TP, mg/L	0.27	0.14	0.09	0.26	0.21
Lead, mg/L	0.016	ND	ND	ND	ND
TN, mg/L	1.25	2.90	2.80	1.19	0.98
Zinc, mg/L	0.23	0.13	0.05	0.08	0.34
Hardness, mg/L	65.60	36.60	19.80	15.70	18.80
PCBs, ug/L	ND	ND	ND	ND	ND
Discharge Volume (cubic feet)	31,280	33,235	16,618	90,908	49,853
Discharge Volume (gallons)	233,975	248,598	124,299	679,989	372,897
Event Precip (inches)	0.32	0.34	0.17	0.93	0.51
Inches per year =	33.2	Per USBR AgriMet Station RTHI for calendar year.			

2012

Stormwater/Events Data Files/Water Quality Data

Centennial Trail Outfall

	PQL	Method
TSS, mg/L	1	SM2540
TP, mg/L	0.025	EPA365.3
Lead, mg/L	0.01	SM3120
TN, mg/L	0.08	SM 4500N B/4110
Zinc, mg/L	0.013	SM3120
Hardness, mg/L	0.2	SM2340
PCBs, ug/L	0.2	EPA 8082

Concentration					
	Centennial Trail Outfall				
Sample Date	3/12/12	4/4/12	5/2/12	7/15/12	10/15/12
TSS, mg/L	304	75	134	378	120
TP, mg/L	0.33	0.13	0.16	0.65	0.21
Lead, mg/L	0.020	ND	ND	0.021	ND
TN, mg/L	1.66	2.80	3.80	1.86	0.98
Zinc, mg/L	0.56	0.15	0.25	1.23	0.34
Hardness, mg/L	135.00	26.00	20.20	34.20	18.80
PCBs, ug/L	ND	ND	ND	ND	ND
Discharge Volume (cubic feet)	9,453	10,044	5,022	27,474	15,066
Discharge Volume (gallons)	70,711	75,130	37,565	205,502	112,695
Event Precip (inches)	0.32	0.34	0.17	0.93	0.51
Inches per year =	33.2	Per USBR AgriMet Station RTHI for calendar year.			

2012

Event Pollutant Discharge (lbs)					
	4th Avenue Outfall				
Sample Date	3/12/12	4/4/12	5/2/12	7/15/12	10/15/12
TSS	406.12	165.96	31.12	419.91	373.42
TP	0.52	0.28	0.09	1.48	0.66
Lead	0.03	ND	ND	ND	ND
TN	2.44	6.02	2.90	6.75	3.06
Zinc	0.45	0.27	0.05	0.44	1.06
Hardness	128.09	75.93	20.54	89.09	58.50
PCBs	ND	ND	ND	ND	ND
Discharge Volume (gallons)	233,975	248,598	124,299	679,989	372,897
Event Precip (inches)	0.32	0.34	0.17	0.93	0.51
Inches per year =	33.2	Per USBR AgriMet Station RTHI for calendar year			
Estimated Load/Inch Precip (lbs/inch)					
	4th Avenue Outfall				
Sample Date	3/12/12	4/4/12	5/2/12	7/15/12	10/15/12
TSS	1269	488	183	452	732
TP	1.62	0.84	0.54	1.59	1.30
Lead	0.10	ND	ND	ND	ND
TN	7.63	17.69	17.08	7.26	6.00
Zinc	1.40	0.79	0.31	0.47	2.07
Hardness	400.3	223.3	120.8	95.8	114.7
PCBs	ND	ND	ND	ND	ND
Disch Vol (gals.)	233,975	248,598	124,299	679,989	372,897

2012

Event Pollutant Discharge (lbs)					
	Centennial Trail Outfall				
Sample Date	3/12/12	4/4/12	5/2/12	7/15/12	10/15/12
TSS	179.38	47.02	42.01	648.24	112.85
TP	0.19	0.08	0.05	1.12	0.20
Lead	0.01	ND	ND	0.00	ND
TN	0.98	1.76	1.19	3.19	0.93
Zinc	0.33	0.09	0.08	2.11	0.32
Hardness	79.66	16.30	6.33	58.65	17.68
PCBs	ND	ND	ND	ND	ND
Discharge Volume (gallons)	70,711	75,130	37,565	205,502	112,695
Event Precip (inches)	0.32	0.34	0.17	0.93	0.51
Inches per year =	33.2	Per USBR AgriMet Station RTHI for calendar year			

Estimated Load/Inch Precip (lbs/inch)					
	Centennial Trail Outfall				
Sample Date	3/12/12	4/4/12	5/2/12	7/15/12	10/15/12
TSS	561	138	247	697	221
TP	0.61	0.23	0.30	1.20	0.39
Lead	0.04	ND	ND	0.01	ND
TN	3.06	5.16	7.01	3.43	1.81
Zinc	1.03	0.28	0.46	2.27	0.63
Hardness	248.94	47.94	37.25	63.06	34.67
PCBs	ND	ND	ND	ND	ND
Disch Vol (gals.)	70,711	75,130	37,565	205,502	112,695

2012 Average Annual Load, lbs/day*			
	4th	Centennial	Total
TSS	56.83	29.89	86.72
TP	0.11	0.04	0.15
Lead	0.00	0.00	0.0025
TN	1.01	0.34	1.35
Zinc	0.09	0.07	0.17
Hardness	17.37	7.23	24.60
PCBs	ND	ND	ND
*Estimate only, subject to errors and assumptions.			

2012 Average Annual Load, lbs/year*			
	4th	Centennial	Total
TSS	20,744	10,910	31,653
TP	39.1	15.6	54.7
Lead	0.65	0.28	0.93
TN	369.7	123.9	493.6
Zinc	33.5	26.8	60.3
Hardness	6341	2637	8978
PCBs	ND	ND	ND
*Estimate only, subject to errors and assumptions.			

2013

Stormwater/Events Data Files/Water Quality Data

4th Avenue Outfall

	PQL	Method
TSS, mg/L	1	SM2540
TP, mg/L	0.025	EPA365.3
Lead, mg/L	0.01	SM3120
TN, mg/L	0.08	SM 4500N B/4110
Zinc, mg/L	0.013	SM3120
Hardness, mg/L	0.2	SM2340
PCBs, ug/L	0.2	EPA 8082

Concentration					
	4th Avenue Outfall				
Sample Date	3/12/13	5/13/2013	7/8/2013	9/4/2013	
TSS, mg/L	208	407	550	100	
TP, mg/L	0.27	0.79	0.89	0.18	
Lead, mg/L	0.016	0.029	0.049	0.009	
TN, mg/L	1.25	5.23	3.61	1.95	
Zinc, mg/L	0.23	0.55	0.05	0.12	
Hardness, mg/L	66	82	54	24	
PCBs, ug/L	ND	ND	ND	ND	
Discharge Volume (cubic feet)	31,280	33,235	16,618	90,908	
Discharge Volume (gallons)	233,975	248,598	124,299	679,989	
Event Precip (inches)	0.08	0.60	0.28	0.15	
Inches per year =	22.51	Per USBR AgriMet Station RTHI for calendar year.			

2013

Stormwater/Events Data Files/Water Quality Data

Centennial Trail Outfall

	PQL	Method
TSS, mg/L	1	SM2540
TP, mg/L	0.025	EPA365.3
Lead, mg/L	0.01	SM3120
TN, mg/L	0.08	SM 4500N B/4110
Zinc, mg/L	0.013	SM3120
Hardness, mg/L	0.2	SM2340
PCBs, ug/L	0.2	EPA 8082

Concentration					
	Centennial Trail Outfall				
Sample Date	3/12/13	5/13/2013	7/8/2013	9/4/2013	
TSS, mg/L	304	550	840	353	
TP, mg/L	0.33	1.18	1.58	0.52	
Lead, mg/L	0.020	0.037	0.070	0.023	
TN, mg/L	1.66	9.81	5.92	2.55	
Zinc, mg/L	0.56	1.04	2.20	0.49	
Hardness, mg/L	135	190	122	71	
PCBs, ug/L	ND	ND	ND	ND	
Discharge Volume (cubic feet)	9,453	10,044	5,022	27,474	
Discharge Volume (gallons)	70,711	75,130	37,565	205,502	
Event Precip (inches)	0.08	0.60	0.28	0.15	
Inches per year =	22.51	Per USBR AgriMet Station RTHI for calendar year.			

2013

Event Pollutant Discharge (lbs)*					
	4th Avenue Outfall				
Sample Date	3/12/13	5/13/13	7/8/13	9/4/13	
TSS	406.12	844.34	570.50	567.45	
TP	0.52	1.63	0.92	1.01	
Lead	0.03	0.01	0.01	0.01	
TN	2.44	10.85	3.74	11.07	
Zinc	0.45	1.15	0.05	0.68	
Hardness	128.09	169.28	55.81	135.62	
PCBs	ND	ND	ND	ND	
Discharge Volume (gallons)	233,975	248,598	124,299	679,989	
Event Precip (inches)	0.08	0.60	0.28	0.15	
Inches per year =	22.51	Per USBR AgriMet Station RTHI for calendar year			

*Estimate only, subject to errors and assumptions.

Estimated Load/Inch Precip (lbs/inch)*					
	4th Avenue Outfall				
Sample Date	3/12/13	5/13/13	7/8/13	9/4/13	
TSS	5,077	1,407	2,038	3,783	
TP	6.49	2.72	3.28	6.73	
Lead	0.39	0.01	0.02	0.05	
TN	30.51	18.08	13.37	73.77	
Zinc	5.61	1.92	0.18	4.54	
Hardness	1601.1	282.1	199.3	904.1	
PCBs	ND	ND	ND	ND	
Disch Vol (gals.)	233,975	248,598	124,299	679,989	0

*Estimate only, subject to errors and assumptions.

2013

Event Pollutant Discharge (lbs)*					
	Centennial Trail Outfall				
Sample Date	3/12/13	5/13/13	7/8/13	9/4/13	
TSS	179.38	344.83	263.32	605.37	
TP	0.19	0.74	0.50	0.88	
Lead	0.01	0.00	0.00	0.01	
TN	0.98	6.15	1.86	4.37	
Zinc	0.33	0.65	0.69	0.84	
Hardness	79.66	119.12	38.24	121.24	
PCBs	ND	ND	ND	ND	
Discharge Volume (gallons)	70,711	75,130	37,565	205,502	
Event Precip (inches)	0.08	0.60	0.28	0.15	
Inches per year =	22.51	Per USBR AgriMet Station RTHI for calendar year			

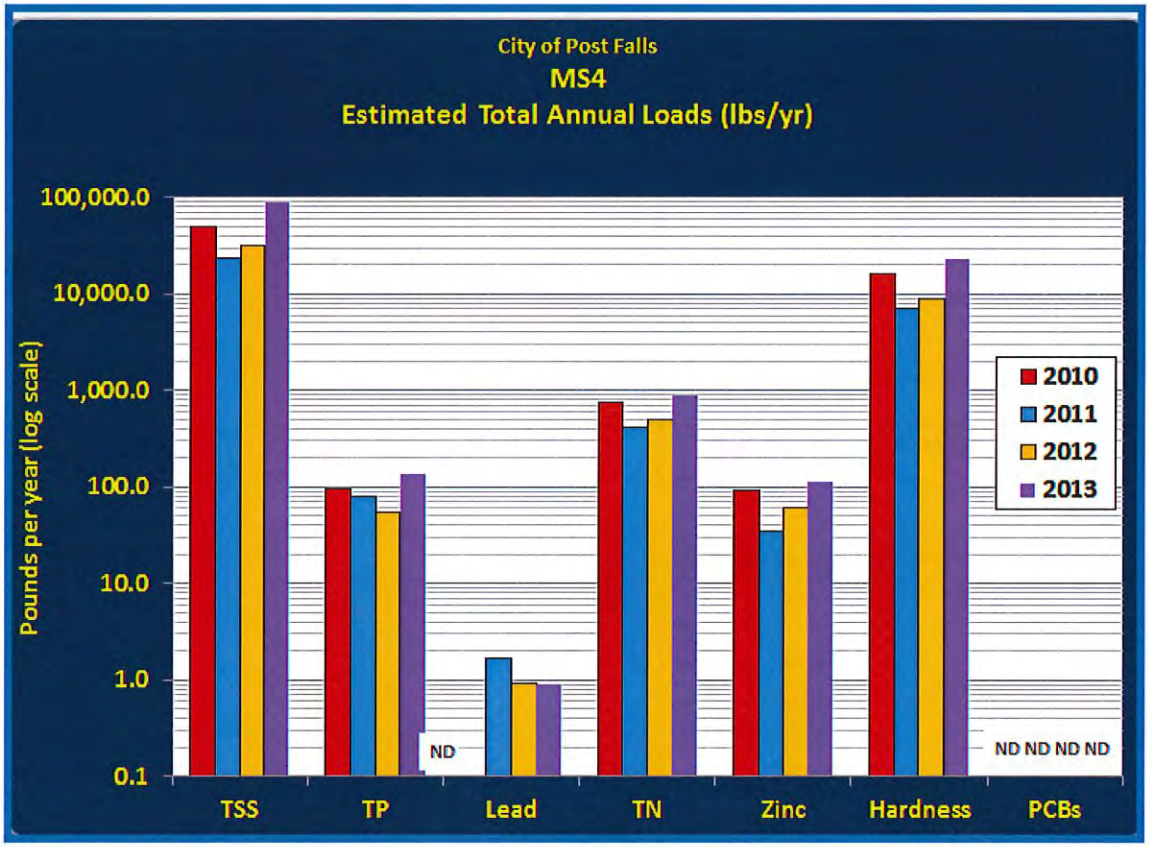
*Estimate only, subject to errors and assumptions.

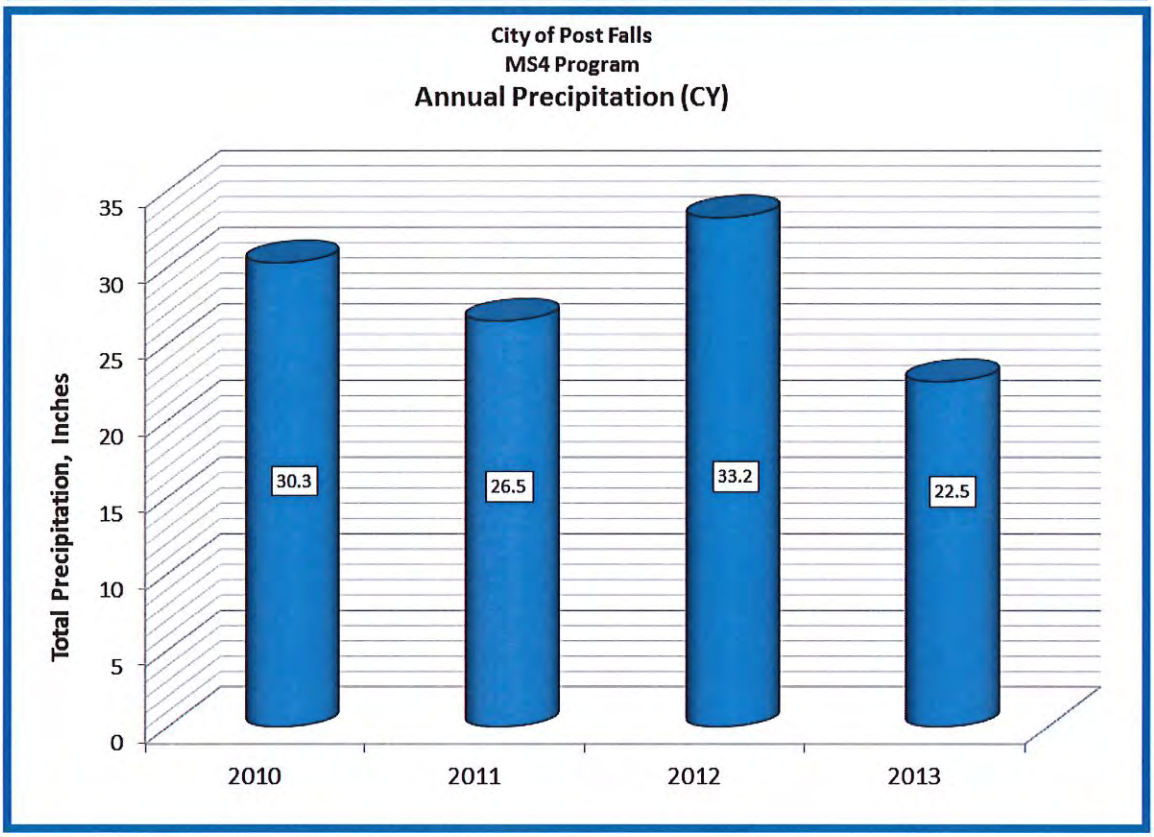
Estimated Load/Inch Precip (lbs/inch)*					
	Centennial Trail Outfall				
Sample Date	3/12/13	5/13/13	7/8/13	9/4/13	
TSS	2,242	575	940	4,036	
TP	2.43	1.23	1.77	5.90	
Lead	0.15	0.01	0.01	0.03	
TN	12.24	10.25	6.63	29.15	
Zinc	4.13	1.09	2.46	5.61	
Hardness	995.7590	198.5371	136.5876	808.2982	
PCBs	ND	ND	ND	ND	
Disch Vol (gals.)	70,711	75,130	37,565	205,502	0

*Estimate only, subject to errors and assumptions.

2013 Average Annual Load, lbs/day*			
	4th	Centennial	Total
TSS	151.8	96.1	247.9
TP	0.24	0.14	0.38
Lead	0.01	0.00	0.0083
TN	1.67	0.72	2.39
Zinc	0.15	0.16	0.32
Hardness	36.84	26.39	63.22
PCBs	ND	ND	ND
*Estimate only, subject to errors and assumptions.			

2013 Average Annual Load, lbs/year*			
	4th	Centennial	Total
TSS	55,394	35,085	90,479
TP	86.6	51.0	137.6
Lead	2.13	0.89	3.02
TN	611.1	262.4	873.4
Zinc	55.1	59.8	115.0
Hardness	13,446	9,631	23,076
PCBs	ND	ND	ND
*Estimate only, subject to errors and assumptions.			


City of Post Falls
MS4
Estimated Total Annual Loads (lbs/yr)
Pounds per year (log scale)
100,000.0
10,000.0
1,000.0
100.0
10.0
1.0
0.1
2010
2011
2012
2013
ND
ND ND ND ND
TSS
TP
Lead
TN
Zinc
Hardness
PCBs


City of Post Falls
MS4 Program
Annual Precipitation (CY)
Total Precipitation, Inches
35
30
25
20
15
10
5
0
30.3
26.5
33.2
22.5
2010
2011
2012
2013

APPENDIX – C

ASSESSMENT OF CONTROL MEASURES

ASSESSMENT OF PROGRAM CONTROL MEASURES

This section of the Annual Storm Water Report summarizes the progress and status of complying with Sections II.B. and II.C. of the MS4 discharge permit. In the following account, the permit requirement is highlighted in bold and the status is in regular font.

Section II. B. Minimum Control Measures

1. **Public Education and Outreach**

   a.) **Within two years of the effective date of the permit, permittee must develop and implement a public education program about the impacts of storm water on the local water bodies.**
   This requirement has been met with the deployment and implementation of the Storm Water Management Plan that is posted on the City's website and detailed in this and prior annual reports (also posted on the City's website). Public education efforts have been conducted since January 2010 via provision of brochures, internet postings, outreach events, article submissions to the local paper, public service announcements on the City's TV channel, facility tours and direct mailings to the public.

   b) **At least once per year, the permittee must distribute appropriate storm water educational materials to the target audiences.**
   On September 25, 2013, an informational letter explaining stormwater pollution prevention was mailed directly to all property owners and occupants of property located adjacent to the MS4 storm sewer system. There were 205 letters delivered via USPS mail. A copy of the letter is provided below:

CITY OF POST FALLS

Public Services Department
Water Reclamation Division

September 2013

Dear Customer,

The following information is provided as part of the City's annual public information program regarding storm water pollution prevention. This is information only and you do not need to reply. You are receiving this letter because our records indicate you have or use property adjacent to the City's storm sewer system that sends stormwater to the Spokane River.

As stormwater flows over driveways, lawns and sidewalks, it picks up debris, chemicals, dirt and other pollutants. Stormwater can flow into a storm sewer system or directly to a lake, stream, river, wetland or coastal water. Anything that enters a storm sewer system is discharged untreated into the bodies of water we use for swimming, fishing and providing drinking water. Polluted runoff is the nation's greatest threat to clean water.

By practicing healthy household habits, homeowners can keep common pollutants like pesticides, pet waste, grass clippings and automotive fluids off the ground and out of stormwater.

Healthy Household Habits for Clean Water

Vehicle and Garage

- Use a commercial car wash or wash your car on a lawn or other unpaved surface to minimize the amount of dirty, soapy water flowing into the storm drain and eventually into local water sources.
- Check your car, boat, motorcycle and other machinery and equipment for leaks and spills. Make repairs as soon as possible. Clean up spilled fluids with an absorbent material like kitty litter or sand, which can then be disposed with the household trash. Don't rinse spills into the storm drains.
- Recycle used oil and other automotive fluids at participating service stations. Don't dump these chemicals down sewer or storm drains.

Lawn and Garden

- Use pesticides and fertilizers sparingly and in the recommended amounts. Avoid application if the forecast calls for rain; otherwise, chemicals could be washed into local water sources.
- Select native plants and grasses that are drought and pest resistant. Native plants require less water, fertilizer and pesticides.
- Sweep up yard debris, rather than hosing down areas. Compost or recycle yard waste when possible.
- Don't overwater your lawn. Water during the cool times of the day, and don't let water runoff into the storm drain.
- Cover piles of dirt and mulch being used in landscaping projects to prevent these pollutants from blowing or washing off your yard and into local water sources. Plant vegetation in the bare spots in your yard to prevent soil erosion.

Home Repair and Improvement

- Before beginning an outdoor project, locate the nearest storm drains and protect them from debris and other materials.

2002 West Seltice Way, Post Falls, ID 83854 • *tel* (208)773-1438 • *fax* (208)262-7349 • www.postfallsidaho.org

- Sweep up and properly dispose of construction debris such as concrete and mortar.
- Use hazardous substances like paints, solvents and cleaners in the smallest amounts possible, and follow the directions on the label. Clean up spills immediately, and dispose of the water safely. Store substances properly to avoid leaks and spills.
- Purchase and use nontoxic, biodegradable, recycled, and recyclable products whenever possible.
- Clean paint brushes in a sink, not outdoors. Filter and reuse paint thinner when using oil based paints.

Properly dispose of excess paints through a household hazardous waste collection program, or donate unused paint to local organizations.

- Reduce the amount of paved area and increase the amount of vegetated area in your yard. Use native plants in your landscaping to reduce the need for watering during dry periods. Consider directing downspouts away from paved surfaces onto lawns and other measures to increase infiltration and reduce polluted runoff.
- Paints and household hazardous wastes may be disposed of at the Kootenai County Transfer Station located at 15580 W. Prairie Avenue, Post Falls, ID. Kootenai County Solid Waste Department may be contacted at 208-446-1430.

Pet Care

- When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local water bodies.

Swimming Pool and Spa

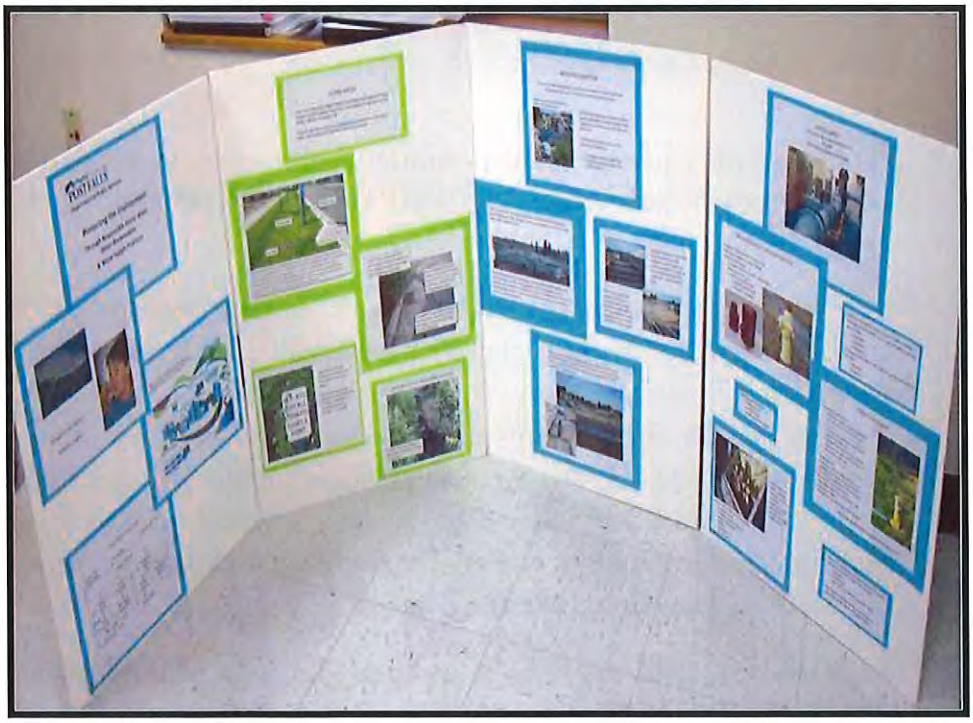
- Drain your swimming pool only when a test kit does not detect chlorine levels.
- If possible, pools should be drained to lawns and landscape areas at a slow rate to allow water to soak into the ground. Do not discharge to sewer.
- Properly store pool and spa chemicals to prevent leaks and spills, preferable in a covered area to avoid exposure to stormwater.

Storm drains connect to water bodies!

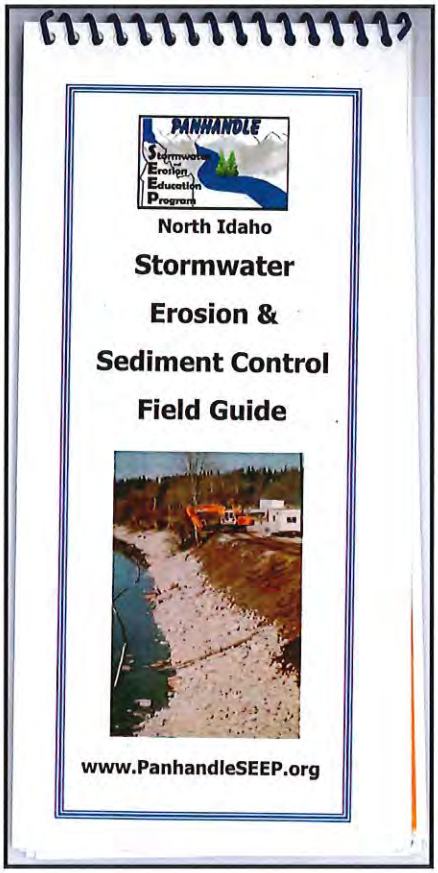
For more information visit www.epa.gov/npdes/stormwater or www.epa.gov/nps.

Thank you for your time to review the above information. If you would like to report a spill or obtain more information about the City of Post Falls surface water protection program, please contact the Water Reclamation Facility at 208-777-1438 or visit the City of Post Falls website at www.postfallsidaho.org.

On May 22 and 23, 2013, the City partnered with the City of Coeur d'Alene in Science Day at Silverwood Theme Park by providing an informational board that displayed storm water management systems including the hydrologic cycle, grassy swales, dry wells and storm sewers.



At the building permit service counter, the City continues to make available to the public useful information about the Construction General Permit as well as the Stormwater Erosion & Sediment Control Field Guide.



c) 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 media outlet.

A public service announcement (PSA), professionally produced on behalf of Panhandle Area Council http://www.pacni.org/, is repeatedly broadcast on City Cable TV 13, running three times per week at 8 a.m. Sunday, 10:30 a.m. Tuesday and 9 p.m. Friday. The PSA runs for eight minutes and provides a good overview of erosion, causes, water quality impacts and best management practices for controlling or preventing erosion on construction sites and developments. Panhandle Area Council sponsors the Stormwater and Erosion Education Program which provides classroom and hands-on training to area contractors and government representatives.

On October 11, 2013, our local newspaper, The Press, published the City's submitted article entitled "Pollution After the Storm." The article was published in the newspaper and on the CDAPress.com website.

Pollution after the storm

New river rules aim at protect fish, human health

Posted: Friday, October 11, 2013 12:00 am | Updated: 1:43 am Fri Oct 11, 2013.

By Post Falls City staff | 1 comment

New environmental rules for the Spokane River focus on reducing stormwater pollution to protect fish, animals and human health.

These new rules focus "polychlorinated biphenyls," or PCBs: a group of man-made chemicals that can cause cancer. PCBs are slow to break down and go away. Even though the production of PCBs was banned in America more than 40 years ago, a small quantity of them still circulates in the environment.

They can be found in tiny amounts nearly everywhere, but when they get into an aquatic environment, they become more concentrated, in a process called "bio-magnification." As PCB-contaminated organisms are eaten by larger animals, the concentration increases. It is greatest in animals at the top of the food chain.

For example, an aquatic insect living in the gravel bed of the river will have some PCB stuck to it and inside it. A fish that eats many insects accumulates a large quantity of PCBs, because PCBs are mostly stored in fat tissue. When a bear or human eats several fish that have eaten many insects, the concentration of PCBs stored in their fat tissue gets even higher.

Some countries have not yet banned PCB production. This allows new releases of the chemical into the environment, where it enters the hydrologic cycle, and can travel thousands of miles in rivers, ocean currents, and the atmosphere. Rains or snow, runoff from our lawns, roofs and parking lots all enter the streets and gutters, and flow eventually to the river via the storm sewer system. Even though freshly-fallen rain and snow might contain tiny quantities of PCBs and other contaminants, surface water runoff accumulates more contaminants as it travels across soils, parking lots and roadways.

PCBs have been found in transformers, motor oil, paint, caulk, dyes and newsprint. Oil spots in parking lots and roads get washed into the streets to combine with trash and debris as the runoff travels downhill to the nearest storm drain, and into the river.

To protect fish, animals and human health, everyone can help reduce PCB pollution in the Spokane River by keeping their cars well-maintained, and properly disposing of trash and debris.

Draining automotive fluids into the street, gutter, or storm drain is a bad idea. Doing so could contaminate the Spokane River in Idaho and Washington, and result in expensive cleanup efforts and legal consequences.

For more info about the Surface Water Management Program, visit www.postfallsidaho.org/ or 777-9557.

For several weeks, the article was also published on the City's official website...

CITY OF POST FALLS

postfallsidaho.org

GOVERNMENT | DEPARTMENTS | DOCUMENT CENTER | COMMUNITY | ECONOMIC DEVELOPMENT | ONLINE

Public Services

A Message from Public Services Director
Terry Werner

The Public Services Department is comprised of two divisions, Public Works Division and the Community Development Division. The Public Works Division consists of Streets, Water, Water Reclamation, Storm Water, Fleet Services and Facility Maintenance. Community Development Division consists of Building, Engineering and Planning.

As a dedicated staff, we are committed to provide a service level that will allow Post Falls to grow and prosper. We pledge to provide safe maintained travel ways, protect the health of the environment and provide exceptional customer service to the residents of our City. We also pledge to be fiscally honest and responsible in the trust placed upon us by the taxpayers of the City.

We are proud to be a part of the team serving the Citizens of Post Falls.

Water Reclamation Plant Questions	The Full text of questions and answers from Citizen Comment February 19th is available

Read the Pollution After the Storm article

DIVISIONS

Public Works
Facility Maintenance
Fleet
Storm Water
Streets
Water
Water Reclamation

Community Development
Building
Engineering
Planning

Conservation & Environment

and on the City's Facebook page...

2. **Public Involvement Participation**
   a) **The permittee must comply with applicable State and local public notice requirements when implementing a public involvement/participation program.**

The City abides by the Idaho Open Meeting Law in the performance of its duties, including adoption of rules and regulations.

b) **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 documentation and Annual Reports must be posted online through its regularly maintained website (or a website sponsored by the permittee).**

All relevant SWMP documents and all Annual Reports required by this permit are available to the public and posted online at the City's official website: http://www.postfallsidaho.org/

3. **Illicit Discharge Detection and Elimination**

a) **Within two years from the effective date of this permit, the permittee must develop and implement a program to detect and eliminate illicit discharges from the 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 procedures for detection, identification of the source, and removal of non-storm water discharges from the MS4. This program must 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.**

Procedures for implementing the Illicit Discharge Detection and Elimination Program were completed in 2010 and are included in the City's Storm Water Management Plan which is posted on the City's website.

b) **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 for enforcement escalation procedures for recalcitrant or repeat offenders.**

In 2010, the City updated its Storm Water, ordinance, Chapter 13.44, to define and prohibit illicit discharge, and developed and implemented enforcement procedures which are documented in the Storm Water Management Plan and posted on the City's website.

c) **Through the ordinance or other regulatory mechanism set forth in Section II.B.3.b, the permittee must prohibit any of the non-storm water 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 non-storm water discharges.**

In 2010, the City updated its Storm Water Ordinance, Chapter 13.44, to define and prohibit illicit discharge, and developed and implemented enforcement procedures which are documented in the Storm Water Management Plan and posted on the City's website. The City's ordinances are available to the public on the City's website: http://www.postfallsidaho.org/ Allowable non-storm water discharges from potable water sources include fire fighting activities, water distribution system maintenance, street wash water, overspray and small amounts of runoff from irrigation of vegetation that comply with the City's prohibition of water wasting, Chapter 13.12.060.

d) **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(s) 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 MD4'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 maps(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 completed a comprehensive MS4 map in 2009 and posted it in PDF format on the City's website. In 2012, the MS4 map was converted to Arc GIS format and replaced the PDF formatted map on the City's website. Copies of these maps have been submitted electronically and in hard copy to EPA and IDEQ in 2010, 2011, and 2012.

e) **Within two years from the effective date of this permit, the permittee must begin an ongoing education program to inform users of the system, 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 initiated its ongoing education program in 2010. The program includes informing the public, users of the MS4 and public employees of the City of Post Falls of the hazards associated with illegal discharges and improper disposal of waste.

Further documentation of the public outreach component of Section II. B. 1. is provided in the prior section of this Appendix. City employees associated with the MS4 facilities, development services and field staff have been provided annual storm water education since 2010. Topics have included proper storage of materials, street maintenance, parks maintenance and illicit discharges.

f) **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 stormwater outfalls. By the expiration date of the permit, 100% 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 detection ranges are adequate for the illicit discharge detection 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 detection.**

The City initiated dry weather field screening of the MS4 system in 2011. The results of the screening were posted with the 2011 annual report. The City has only two (2) outfalls, and 100% of those outfalls were screened for dry weather flows in 2011. The only source of dry weather flows was from irrigation runoff. No industrial discharges were found. In 2012, the City conducted dye testing of a dry cleaner business on Spokane Street and found that there was not an illicit discharge to the MS4 system. In November and December 2012, the City conducted a survey of jurisdictional roads and properties adjacent to the Spokane River and did not detect any illicit discharges to the MS4 or storm water discharges or industrial discharges to the river.

g) **Within three years from the effective date of this permit, the permittee must inventory all industrial facilities that discharge into the permittee's MS4 and/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 inventories are set forth in 40 CFR § 122.26(b)(14)(i-x) through (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.**

In December 2012, the City conducted a visual survey of industrial properties adjacent to the river in the Riverbend Industrial Park and did not detect any industrial or storm water discharges to the river. The 2011 Survey did not detect any existing industrial discharges to the City's MS4 system. There have been no new industries added to the MS4 system. Developments within the City are required to provide on-site storm water management. The City's nearly universal system of curbs, gutters and bio-filtration swales helps prevent storm water discharges outside of the MS4

facilities. Soils in the City are typically sand and gravel and are highly suited to on-site disposal of storm water via bio-filtration swales and drywells. An end-to-end survey of perimeter roads adjacent to the river in November and December 2012 did not detect any storm water discharges to the river.

4. Construction Site Storm Water Runoff Control

a) 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.

In 2010, the City adopted ordinances regarding construction sites, as Chapter 13.44.050, General Requirements, Section E., which requires developers to verify applicability of the Construction General Permit by either providing a copy of their Notice of Intent (NOI) for coverage under the CGP, or a design professional's certification that the project is exempt from the CGP. Projects that are subject to the CGP must maintain a copy of their Storm Water Pollution Prevention Plan (SWPPP) at the project site. CGP-covered projects with the potential to discharge storm water to the MS4 system are inspected during the construction project. In 2010, the City developed a procedure for such inspections which is included in the Storm Water Management Plan posted on the City's website.

b) 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, #IDR10-0000 (Construction General Permit).

When developers and contractors come in to City hall for a building permit, they are informed of the CGP requirement stated above. The Stormwater Erosion & Sediment Control Field Guide is also available to the devleopers and contractors on the City's website.

c) 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 and local law that requires 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.

The City's existing ordinance, Title 8 - Health and Safety, Chapter 8.24, Refuse and Stagnant Water, prohibits the accumulation of any stagnant water or impure water, refuse, vegetable decay or decaying substance, garbage or filth of any kind, nor suffer such yard, lot, place, building or premises to be or to remain in such condition as to cause or create a nuisance or offensive smell or to pollute or render unhealthful the atmosphere or the premises or create a rodent harborage, or thereby to be, become, cause or create a public nuisance. More importantly, all development projects requiring a storm water management system shall provide grass infiltration areas or acceptable alternatives (Chapter 13.44.060), thus prohibiting new discharges of storm water to the MS4. Further, Chapter 13.44.100, Prohibited Conduct, prohibits any person from damaging or impairing any of the grass infiltration areas or any portion of the stormwater management system:

13.44.100: PROHIBITED CONDUCT:

A. No person shall cause, permit or contribute to illicit discharges to the MS4.

B. No person shall damage, harm, fail to install or complete, or otherwise impair the grass infiltration areas, approved methods of transmission of stormwater to grass infiltration areas or any portion of the stormwater management system required to be installed pursuant to this chapter. Unless other provisions are made in the process of development review and approval, responsibility for maintenance of stormwater system elements remains with the property owner and violation of these maintenance requirements shall also constitute a violation of this chapter. Occupancy of a dwelling or building without having first obtained a certificate of occupancy, when compliance of this chapter is a condition precedent to issuance of the certificate of occupancy, is a violation of this chapter, in addition to any building and zoning ordinance from which the occupancy requirement derives. (Ord. 1188 § 2, 2010)

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

At the building permit service counter, the City continues to make available to the the Stormwater Erosion & Sediment Control Field Guide. The Field Guide is also available on the City's website. A public service announcement (PSA), professionally produced on behalf of Panhandle Area Council http://www.pacni.org/, continues to

run three times per week at 8 a.m. Sunday, 10:30 a.m. Tuesday and 9 p.m. Friday. The PSA runs for eight minutes and provides a good overview of erosion, causes, water quality impacts and best management practices for controlling or preventing erosion on construction sites and developments. Panhandle Area Council sponsors the Stormwater and Erosion Education Program which provides classroom and hands-on training to area contractors and government representatives.

e) 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.

The City reviews all new development/construction plans prior to issuing construction permits. Every new development plan is reviewed for compliance with the City's ordinances, including the Storm Water Management ordinance. Further details of storm water controls for new projects are provided in the Construction Improvement Agreement required of all new developments. See: http://www.postfallsidaho.org/PZDept/pzforms/ResidentialConstImprovementAgreement.pdf

The City allows plat recordation once all approvals and agreements are in place and the public improvements are bonded for at 150% of the engineers estimate. Prior to the City accepting the constructed improvements, storm water facilities are to be at the following stages – grassy swales are to be roughed in, top soil placed and hydro-seeded and additional storm water facilities, such as drywells, scuppers, catch basins and piping need to be completed. As the majority of our grassy swales are continual swales that run parallel to the roadways, when the lots are developed, the swales will receive final grading, final hydro-seeding or top soil. Those facilities are inspected in accordance with the City's "Engineering Project Certification and Quality Control Standards" prior to issuing a certificate of occupancy for those developing lots.

f) Within three 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 provides several avenues for citizens to register complaints or inquire about the storm water program. Complaints or concerns may be delivered to the City via email, telephone, letter or in person at City Hall. In addition, the City maintains a "Citizen Support Center" on its website, inviting the public to inquire, make suggestions or complain about any pertinent matter. In 2012, the Storm Water Program received no complaints about runoff or sediment from construction sites in the City of Post Falls that disturbed one or more acres or less than one acre that was a part of larger project that disturbed one or more acres and had the potential to discharge to the MS4 system.

g) 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. As part of these procedures, the permittee shall inspect all construction sites in their jurisdiction for appropriate erosion/sediment/waste control at least once per construction season.

In 2010, the City developed and implemented procedures for site inspection and enforcement of control measures, which is posted on the City's website as part of the Storm Water Management Plan. In 2013, there were no construction projects in the City of Post Falls that disturbed more than one acre and had the potential to discharge to the City's MS4 system. The Blue Dog RV storage facility expansion in 2013 was greater than 1 acre but was topographically prevented from discharging to the City MS4.

h) 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.

The City had no projects applicable to the CGP in 2013.

5. Post-Construction Storm Water Management in New Development and Redevelopment

a) Within three years from the effective date of this permit, the permittee must implement a program to address post-construction storm water runoff from new development projects that disturb greater than or equal to one acres (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.

The City had no projects applicable to this requirement in 2013.

b) 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 and update existing procedures, policies, and authorities (e.g., Post Falls City Ordinance #716) to assist in the development of the required regulatory mechanism.

The City has had a Storm Water Management Ordinance since 2007, updated in 2010. The SWM Ordinance, Chapter 13.44, requires the installation of storm water management facilities for all new developments and the protection and maintenance

of all such facilities such that storm water is not discharged off site. See: http://www.sterlingcodifiers.com/codebook/index.php?book_id=350

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

The City has in place appropriate regulatory controls to ensure long term operation and maintenance of permanent storm water controls. SWM Ordinance, Chapter 13.44, requires the landowner to maintain storm water facilities such that storm water is not discharged off site, and prohibits any person from damaging, harming , failing to install or complete or otherwise impair the storm water management systems. See: http://www.sterlingcodifiers.com/codebook/index.php?book_id=350

d) 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 maintenance and operation.

The City reviews all new development/construction plans prior to issuing construction permits. Every new development plan is reviewed for compliance with the City's ordinances, including the Storm Water Management Ordinance. Further details of storm water controls for new projects are provided in the Construction Improvement Agreement required of all new developments. See: http://www.postfallsidaho.org/PZDept/pzforms/ResidentialConstImprovementAgreement.pdf

The City allows plat recordation once all approvals and agreements are in place and the public improvements are bonded for at 150% of the engineers estimate. Prior to the City accepting the constructed improvements, storm water facilities are to be at the following stages – grassy swales are to be roughed in, top soil placed and hydro-seeded and additional storm water facilities, such as drywells, scuppers, catch basins and piping need to be completed. As the majority of our grassy swales are continual swales that run parallel to the roadways, when the lots are developed, the swales will receive final grading, final hydro-seeding or top soil. Those facilities are inspected in accordance with the City's "Engineering Project Certification and Quality Control Standards" prior to issuing a certificate of occupancy for those developing lots.

6. Pollution Prevention and Good Housekeeping for Municipal Operations

a) 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.

The City developed a Storm Water Pollution Prevention Plan for the wastewater and streets/fleet maintenance site in 2010, even though these facilities cannot discharge to the MS4 system. The plan is posted on the City's website. The City does not have maintenance facilities that are proximate to the MS4 system. The City does not have a municipal golf course, nor operate solid waste transfer facilities, nor have water treatment plant operations, nor have municipal refueling facilities. The City does not store on site sand or de-icer chemicals. The use of sand and road de-icer is in accordance with conventional practices for highway safety. The City conducts street sweeping on a regular basis; a total of 6,820 cubic yards of dirt and debris were removed from City streets in 2013.

In 2013, the City inspected the two storm water outfalls and performed water quality monitoring as required by permit; located catch basins by GPS; cleaned over 60 catch basis with a vacuum truck; installed a security grate and warning sign on the 4th Avenue and Centennial Trail outfall; and direct mailed stormwater pollution prevention information to all MS4 users. There were no stormwater complaints related to construction projects pertinent to the MS4.

b) **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.**

In 2011, City employees received storm water training in the areas of fleet maintenance, material storage, parks and grounds maintenance, solid waste disposal and/or streets and drainage maintenance. The training materials were provided by the Texas Council on Environmental Quality and USEPA.

In 2012, City employees selected storm water training from a number of sources, including Storm Water Pollution Awareness and Prevention Training (University of Colorado at Denver) which covered illicit discharge, sources of pollution, allowable non-storm water discharges, vehicle washing and fueling, outdoor storage, waste containers and drum management, vehicle parking lots, grounds maintenance, good housekeeping, preventive maintenance, and spill prevention and response. Other training materials provided were Storm Water: Why Take It Personally? (North Central Texas Council of Governments), Stormwater video (City of Sandy Springs), and Stormwater Runoff 101 video (National Resource Defense Council). The City's storm water technician completed a two day course in construction site erosion control and the Construction General Permit.

In 2013, City employees selected storm water training from the Texas Council of Environmental Quality employee training video covering the following topics:

1. Introduction: What We Can Do.
2. Construction Activities and Land Disturbances.
3. Fleet Maintenance and Materials Handling.
4. Streets and Drainage Maintenance
5. Parks and Grounds Maintenance
6. Solid Waste Management

c) 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 City developed and implemented a storm water pollution plan for the fleet maintenance/street division site and wastewater treatment plant in 2010. The SWPP is posted on the City's website as part of the Storm Water Management Program document. It should be noted that none of these facilities has the potential to discharge to the MS4 because of their physical separation from the MS4.

C. Discharges to Water Quality-Impaired Receiving Waters.

1. The permittee must conduct storm water discharge and receiving water monitoring as required in Part IV.

Since 2009, the City has conducted storm water discharge and receiving water monitoring as required in Part IV. The results are found in Appendix – B of this report.

2. The permittee must determine whether storm water discharges from any part of the MS4 contribute pollutants of concern, either directly or indirectly, to any Clean

Water Act ("CWA" or "Act") Section 303(d) listed water bodies. For the purposes of this permit, the Section 303 (d) listed water bodies according to the IDEQ 2002 Integrated Report and the 2004 Washington Water Quality Assessment Report include but are not limited to, the Spokane River and associated tributaries. "Pollutant(s) of concern" refer to the pollutant(s) identified as causing or contributing to the water quality impairment. Pollutants of concern for the purposes of this permit are metals, (specifically, lead and zinc), nutrients (specifically phosphorus and nitrogen), sediment, dissolved oxygen, total polychlorinated biphenyls, and temperature.

The City of Post Falls' MS4 contributes pollutants of concern indirectly to the Spokane River, including lead, zinc, phosphorus, nitrogen, suspended solids and temperature. An assessment of the contribution of pollutants to the river is included in the following:

CONCLUSIONS OF DATA REVIEW (January 2014)

1. The volume of water discharged by the Post Falls MS4 is on the order of one-ten thousandth (1/10,000) of the annual flow of the Spokane River.

2. The Post Falls MS4 contributes less one one-thousandth (1/1,000) of the pollutant loads in the Spokane River.

3. Pollutant loads from the Post Falls MS4 are less than the detectable pollutant loads existing in the Spokane River upstream of the MS4 outfalls.

4. The variability of MS4 pollutant load estimates is most related to variations in weather, localized precipitation patterns, and temporal monitoring patterns. These variations preclude a BMP effectiveness determination over the course of the monitoring period. In any event, the MS4 flows and loads are insignificant relative to the existing flows and loads in the Spokane River.

The above conclusions are supported by the following data.

MS4 LOADS vs RIVER LOADS

MS4 Total Annual Loads, lbs/year

1. MS4 Combined (4th + Centennial)

Year	TSS	TP	Lead	TN	Zinc	Hardness	PCBs
2010	50,409	97	ND	747	92	15,906	ND
2011	23,779	80	1.7	419	35	7,226	ND
2012	31,653	55	0.9	494	60.3	8,978	ND
2013	90,479	138	0.9	873	115.0	23,076	ND

Total Annual Loads, lbs/day

2. MS4 Combined (4th + Centennial)

Year	TSS	TP	Lead	TN	Zinc	Hardness	PCBs
2010	138	0.26	ND	2.05	0.25	44	ND
2011	65	0.22	0.0045	1.15	0.10	20	ND
2012	87	0.15	0.0025	1.35	0.17	24.6	ND
2013	248	0.38	0.0024	2.39	0.32	63.2	ND

SPOKANE RIVER FLOWS AT LAKE OUTLET

3. Annual Average Discharge, CY (USGS)

Water Year	Discharge, cubic feet per second	Cubic feet per year	Gallons per year	MG/yr	Water lbs/yr
2010	4583	1.45E+11	1.08E+12	1,081,081	9.0E+12
2011	9399	2.96E+11	2.22E+12	2,217,123	1.9E+13
2012	8073	2.55E+11	1.90E+12	1,904,334	1.6E+13
2013	4953	1.56E+11	1.17E+12	1,168,360	9.7E+12
Average=	6,752	2.13E+11	1.65E+12	1,649,102	1.38E+13

Water Quality Data

1. UPSTREAM: Spokane River Lake Outlet near CdA					(source: USGS)	USGS Site	12417598
Date	TSS, mg/L	TP, mg/L	Lead, ug/L	TN, mg/L	Zinc, ug/L	Hardness, mg/L	PCBs, ng/L
1/27/2010	1	0.005	0.63	na	50	19.1	na
4/6/2010	2	0.005	0.73	na	52	20.4	na
4/26/2010	1	0.005	1.04	na	51.5	20.1	na
7/13/2010	2	<.008	0.96	na	39.6	19.4	na
10/14/2010	na	0.004	0.59	na	39.2	20.5	na
12/20/2010	na	< 0.004	0.51	na	50	21.8	na
1/20/2011	na	0.006	2.06	na	57.2	22.9	na
2/16/2011	na	0.01	7.7	na	60	22.4	na
6/10/2011	na	0.016	4.18	na	69.4	16.2	na
7/20/2011	na	0.006	1.33	na	33.6	16	na
10/5/2011	na	0.006	1.07	na	52.8	16.8	na
2/7/2012	na	0.004	0.51	na	66.7	19.3	na
2/28/2012	na	0.004	0.49	na	45.5	19.5	na
3/19/2012	na	0.008	0.78	na	51.5	21.5	na
4/30/2012	na	0.016	18.1	na	56.7	17.5	na
7/3/2012	na	0.006	2.04	na	38.1	16.8	na
10/11/2012	na	na	0.89	na	33.3	19.2	na
11/23/2012	12	< 0.004	0.8	< 0.05	43.7	19.6	na
2/5/2013	1	0.005	0.82	0.07	51.3	20.4	na
3/20/2013	2	0.006	0.79	0.1	54.1	20.4	na
4/10/2013	2	0.007	1.87	0.11	58.1	21.2	na
7/2/2013	1	< 0.004	0.54	0.06	34.2	17.8	na
10/24/2013		< 0.004		0.06			na
average 2010	2	0.005	0.74	na	47.1	20.2	na
average 2011	na	0.009	3.27	na	54.6	18.9	na
average 2012	na	0.008	3.37	na	47.9	19.1	na
average 2013	2	0.006	1.01	0.08	49.4	20.0	na

*No USGS data for PCBs at this location.

2. DOWNSTREAM: Spokane River near Post Falls - Corbin Park					(source: USGS)	USGS Site	12419000
Date	TSS, mg/L	TP, mg/L	Lead, ug/L	TN, mg/L	Zinc, ug/L	Hardness, mg/L	PCBs, ng/L
7/12/2010	2	0.009	1.21	na	39.2	20.1	na
10/15/2010	na	0.012	0.9	na	38.3	21	na
1/20/2011	na	0.009	4.06	na	68.2	23.3	na
6/10/2011	na	0.01	4.52	na	41.7	16.7	na
7/20/2011	na	0.008	1.29	na	31.4	16.4	na
10/6/2011	na	0.007	0.76	na	29	18.1	na
2/28/2012	na	0.007	0.8	na	47	19.8	na
5/1/2012	na	0.016	16.9	na	56.9	17.4	na
7/3/2012	na	0.011	1.96	na	39	16.7	na
10/12/2012	1	0.007	0.71	na	33	20.6	na
3/20/2013	1	0.006	1.14	na	59.1	20.6	na
4/11/2013	2	0.007	1.91	na	54.9	21.3	na
7/2/2013	1	0.004	0.9	na	29.4	18.5	na
10/25/2013	na	0.004	na	na	na	na	na
average 2010	2	0.010	2.06	na	48.6	21.5	na
average 2011	na	0.009	2.66	na	42.6	18.6	na
average 2012	1	0.010	5.09	na	44.0	18.6	na
average 2013	1	0.005	1.32	na	47.8	20.1	na

*No USGS data for TN or PCBs at this location.

Recent USGS data for TN at Corbin is not available, but the average from 2003 - 2007 (n=9) = 0.27 mg/L TN.

No USGS data for PCBs at this location

Average Annual Water Quality

1. UPSTREAM: Spokane River Lake Outlet near CdA

	TSS, mg/L	TP, mg/L	Lead, mg/L	TN, mg/L	Zinc, mg/L	Hardness, mg/L	PCBs, ng/L
average 2010	2	0.005	0.74	na	47.1	20.2	na
average 2011	na	0.009	3.27	na	54.6	18.9	na
average 2012	na	0.008	3.37	na	47.9	19.1	na
average 2013	2	0.006	1.01	0.08	49.4	20.0	na

2. DOWNSTREAM: Spokane River near Post Falls - Corbin Park

	TSS, mg/L	TP, mg/L	Lead, mg/L	*TN, mg/L	Zinc, mg/L	Hardness, mg/L	PCBs, ng/L
average 2010	2	0.010	2.06	na	48.6	21.5	na
average 2011	na	0.009	2.66	na	42.6	18.6	na
average 2012	1	0.010	5.09	na	44.0	18.6	na
average 2013	1	0.005	1.32	na	47.8	20.1	na

Recent USGS data for TN at Corbin is not available, but the average from 2003 - 2007 (n=9) = 0.27 mg/L TN.

Average Annual River Loadings (lbs/yr)

1. UPSTREAM: Spokane River Lake Outlet near CdA

	TSS	TP	Lead	TN	Zn	Hardness	PCBs
average 2010	13,532,426	42,853	6,706,069	na	424,467,097	182,387,031	na
average 2011	na	162,817	60,464,191	na	1,010,203,429	348,945,726	na
average 2012	na	120,777	53,600,328	na	761,664,971	302,849,798	na
average 2013	14,624,941	58,500	9,798,711	779,997	481,891,817	194,511,720	na

River Flow (MG/yr)	
average 2010	1,081,081
average 2011	2,217,123
average 2012	1,904,334
average 2013	1,168,360

2. DOWNSTREAM: Spokane River near Post Falls - Corbin Park

	TSS	TP	Lead	TN	Zn	Hardness	PCBs
average 2010	18,043,235	90,216	18,554,460	na	438,149,883	193,664,053	na
average 2011	na	157,266	49,168,784	na	787,718,150	344,597,781	na
average 2012	na	162,890	80,928,322	na	698,836,124	295,982,327	na
average 2013	12,999,948	51,187	12,837,449	na	466,048,131	196,299,213	na

River Flow (MG/yr)	
average 2010	1,081,081
average 2011	2,217,123
average 2012	1,904,334
average 2013	1,168,360

3. MS4 Combined (4th + Centennial)

	TSS	TP	Lead	TN	Zinc	Hardness	PCBs
2010	50,409	96.6	ND	747	92	15,906	ND
2011	23,779	80.0	1.7	419	35	7,226	ND
2012	31,653	54.7	0.9	494	60	8,978	ND
2013	90,479	138	1	873	115	23,076	ND

MS4 Flow (MG/yr)	
average 2010	29
average 2011	25
average 2012	32
average 2013	21

LIMITS OF QUANTIFICATION

1. Minimum Levels of Quantification - Concentration (mg/L)

	TSS	TP	Lead	TN	Zinc	Hardness	PCBs
USGS (see note)	1	0.004	0.00001	0.01	0.0001	0.1	na
MS4 (PQL)	1	0.025	0.01	0.08	0.013	0.2	0.0002

Note: In the absence of "<detection limit" data, USGS MLs are assumed to be the least significant figure of the reported data.

2. River: Minimum Levels of Quantification - Annual Load (lbs/yr)

	TSS	TP	Lead	TN	Zinc	Hardness	PCBs
2010	9,021,617	36,086	90	90,216	902	902,162	na
2011	18,501,894	74,008	185	185,019	1,850	1,850,189	na
2012	15,891,669	63,567	159	158,917	1,589	1,589,167	na
2013	9,749,961	39,000	97	97,500	975	974,996	na

3. MS4: Minimum Levels of Quantification - Annual Load (lbs/yr)

	TSS	TP	Lead	TN	Zinc	Hardness	PCBs
2010	240.4	6.0	2.4	19.2	3.1	48.1	0.05
2011	210.3	5.3	2.1	16.8	2.7	42.1	0.04
2012	263.8	6.6	2.6	21.1	3.4	52.8	0.05
2013	178.8	4.5	1.8	14.3	2.3	35.8	0.04

RATIO OF MS4 LOAD TO RIVER LOAD

1. MS4 LOAD VERSUS MINIMUM DECTECTABLE ANNUAL RIVER LOAD

	TSS	TP	Lead	TN	Zinc	Hardness	PCBs
2010	0.6%	0.3%	NA	0.8%	10.2%	1.8%	na
2011	0.1%	0.1%	0.9%	0.2%	1.9%	0.4%	na
2012	0.2%	0.1%	0.6%	0.3%	3.8%	0.6%	na
2013	0.9%	0.4%	0.9%	0.9%	11.8%	2.4%	na

CONCLUSION: MS4 loading is less than the minimum measurable load in the river.

2. MS4 LOAD AS A PERCENT OF UPSTREAM RIVER ANNUAL LOAD

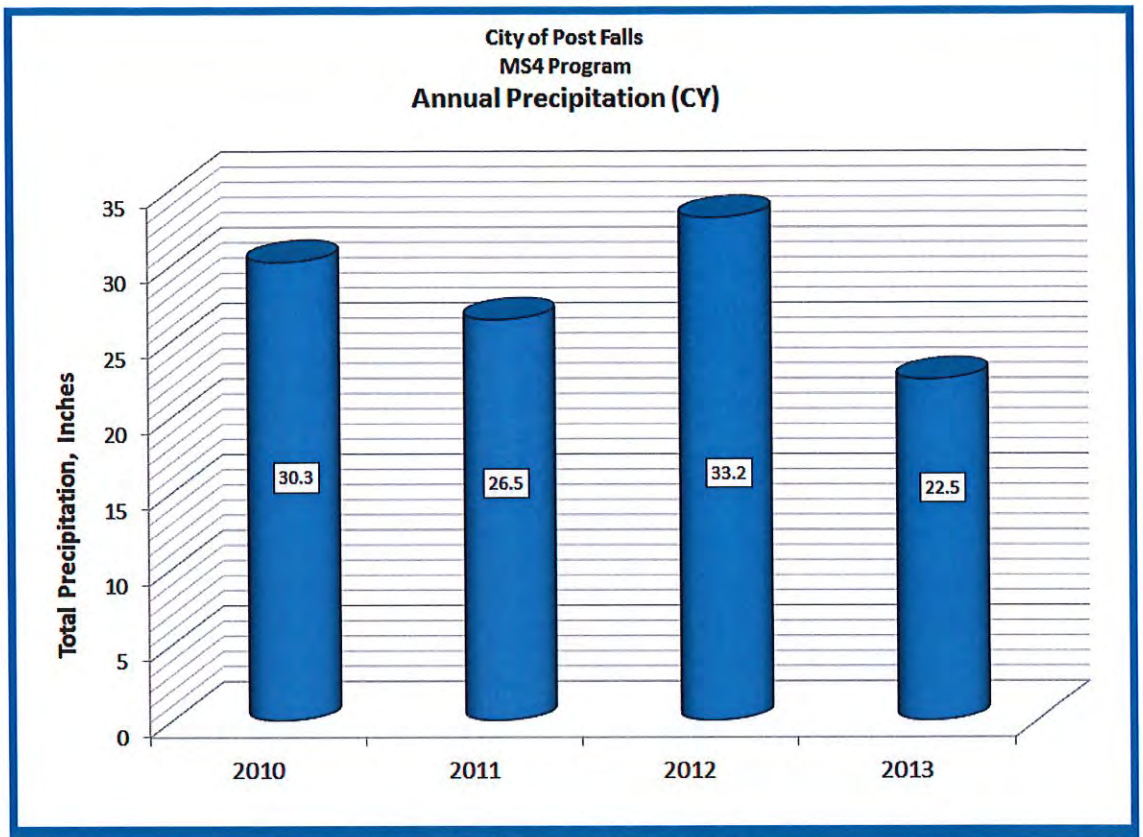
	TSS	TP	Lead	TN	Zinc	Hardness	PCBs
2010	0.37%	0.23%	NA	NA	0.000022%	0.009%	na
2011	na	0.05%	0.000003%	NA	0.000004%	0.002%	na
2012	na	0.05%	0.000002%	NA	0.000008%	0.003%	na
2013	0.62%	0.24%	0.000009%	0.11%	0.000024%	0.012%	na

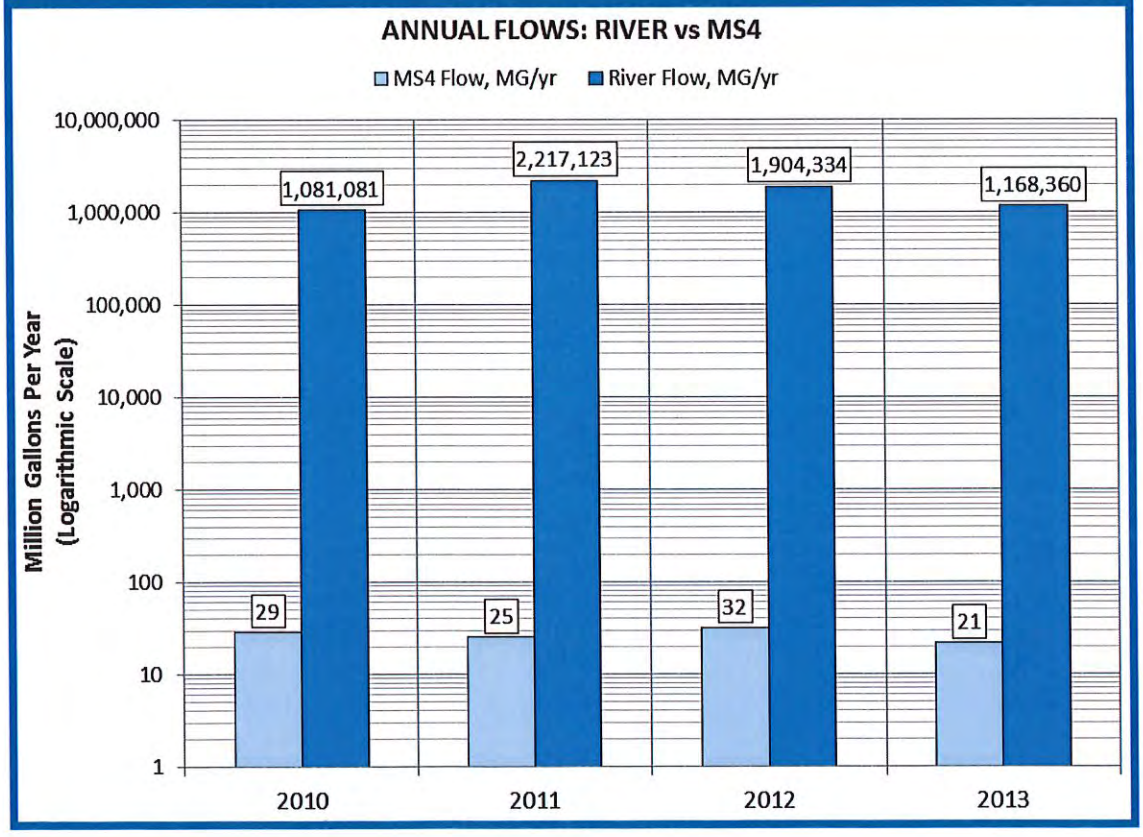
CONCLUSION: MS4 loading is insignificant relative to the loading in the upstream river.

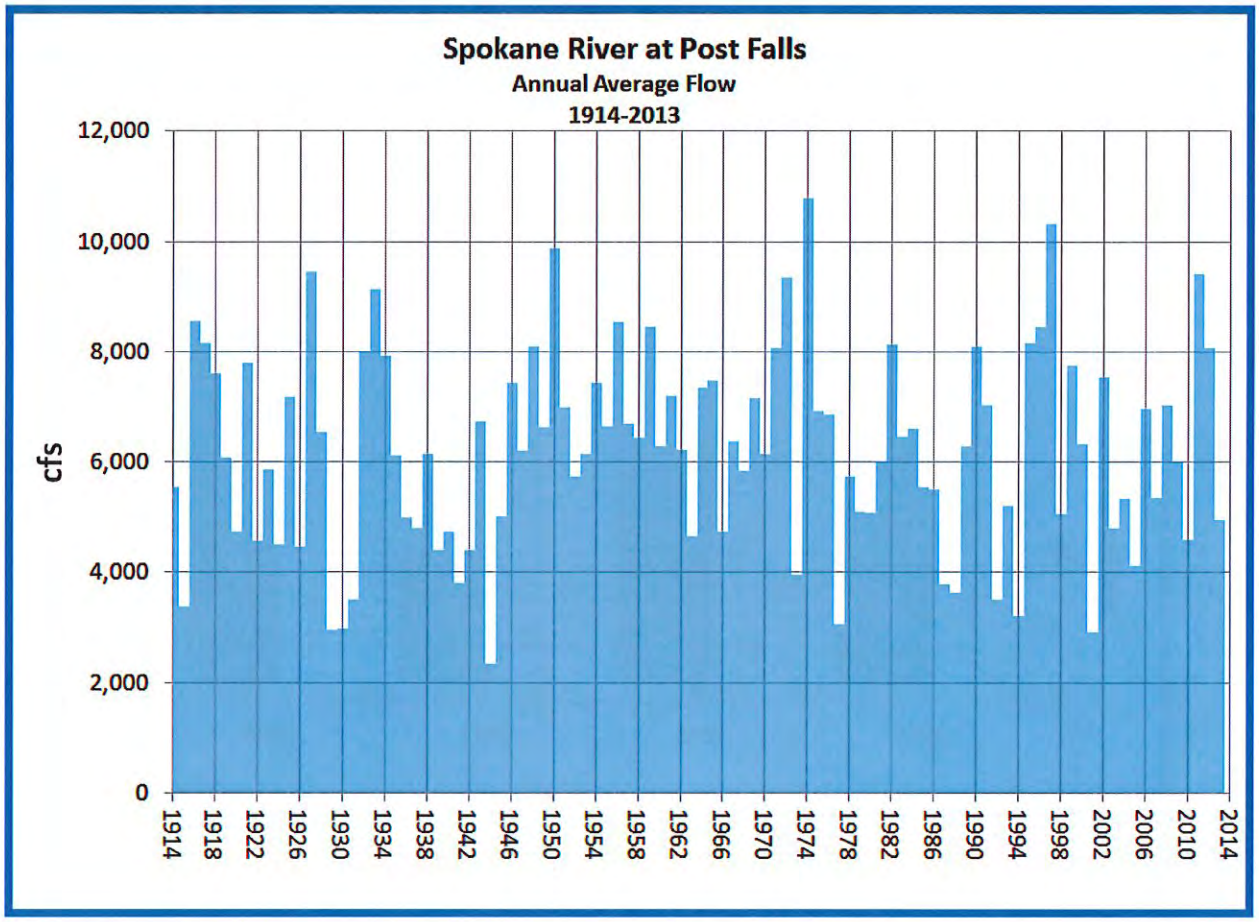
3. MS4 FLOW VERSUS RIVER FLOW

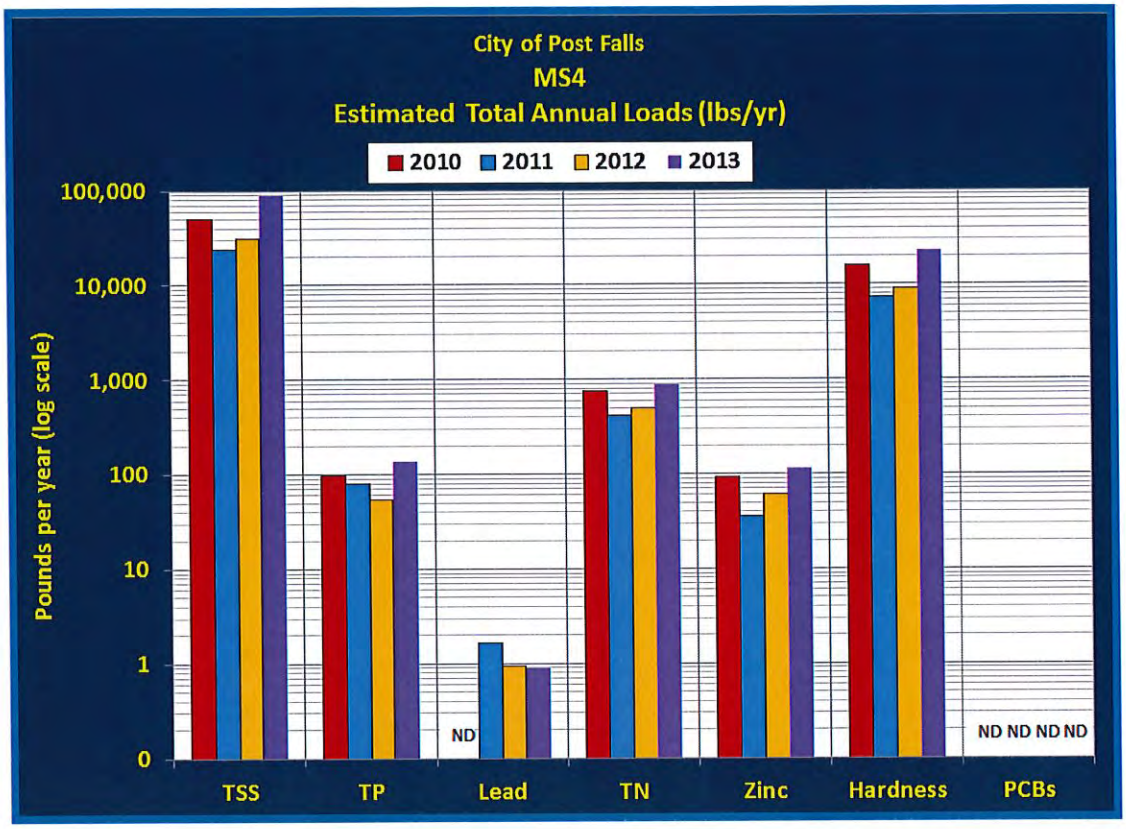
	MS4 Flow, MG/yr	River Flow, MG/yr	MS4 Flow/ River Flow
2010	29	1,081,081	0.00003
2011	25	2,217,123	0.00001
2012	32	1,904,334	0.00002
2013	21	1,168,360	0.00002

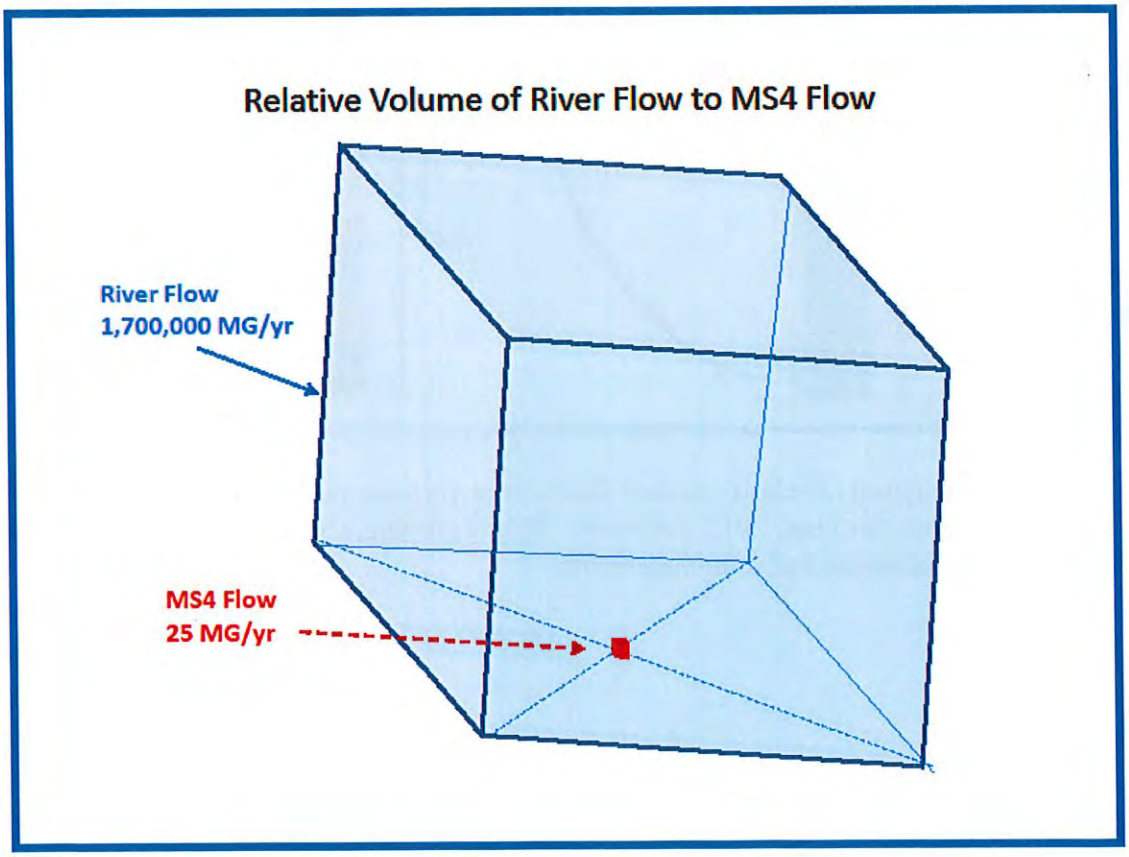
CONCLUSION: The annual MS4 flow is insignificant relative to river flow.


City of Post Falls
MS4 Program
Annual Precipitation (CY)
Total Precipitation, Inches
35
30
25
20
15
10
5
0
30.3
26.5
33.2
22.5
2010
2011
2012
2013


ANNUAL FLOWS: RIVER vs MS4
MS4 Flow, MG/yr
River Flow, MG/yr
Million Gallons Per Year
(Logarithmic Scale)
10,000,000
1,000,000
100,000
10,000
1,000
100
10
1
1,081,081
2,217,123
1,904,334
1,168,360
29
25
32
21
2010
2011
2012
2013


Spokane River at Post Falls
Annual Average Flow
1914-2013
cfs
12,000
10,000
8,000
6,000
4,000
2,000
0
1914
1918
1922
1926
1930
1934
1938
1942
1946
1950
1954
1958
1962
1966
1970
1974
1978
1982
1986
1990
1994
1998
2002
2006
2010
2014


City of Post Falls
MS4
Estimated Total Annual Loads (lbs/yr)
2010
2011
2012
2013
Pounds per year (log scale)
100,000
10,000
1,000
100
10
1
0
ND
ND ND ND ND
TSS
TP
Lead
TN
Zinc
Hardness
PCBs


Relative Volume of River Flow to MS4 Flow
River Flow
1,700,000 MG/yr
MS4 Flow
25 MG/yr

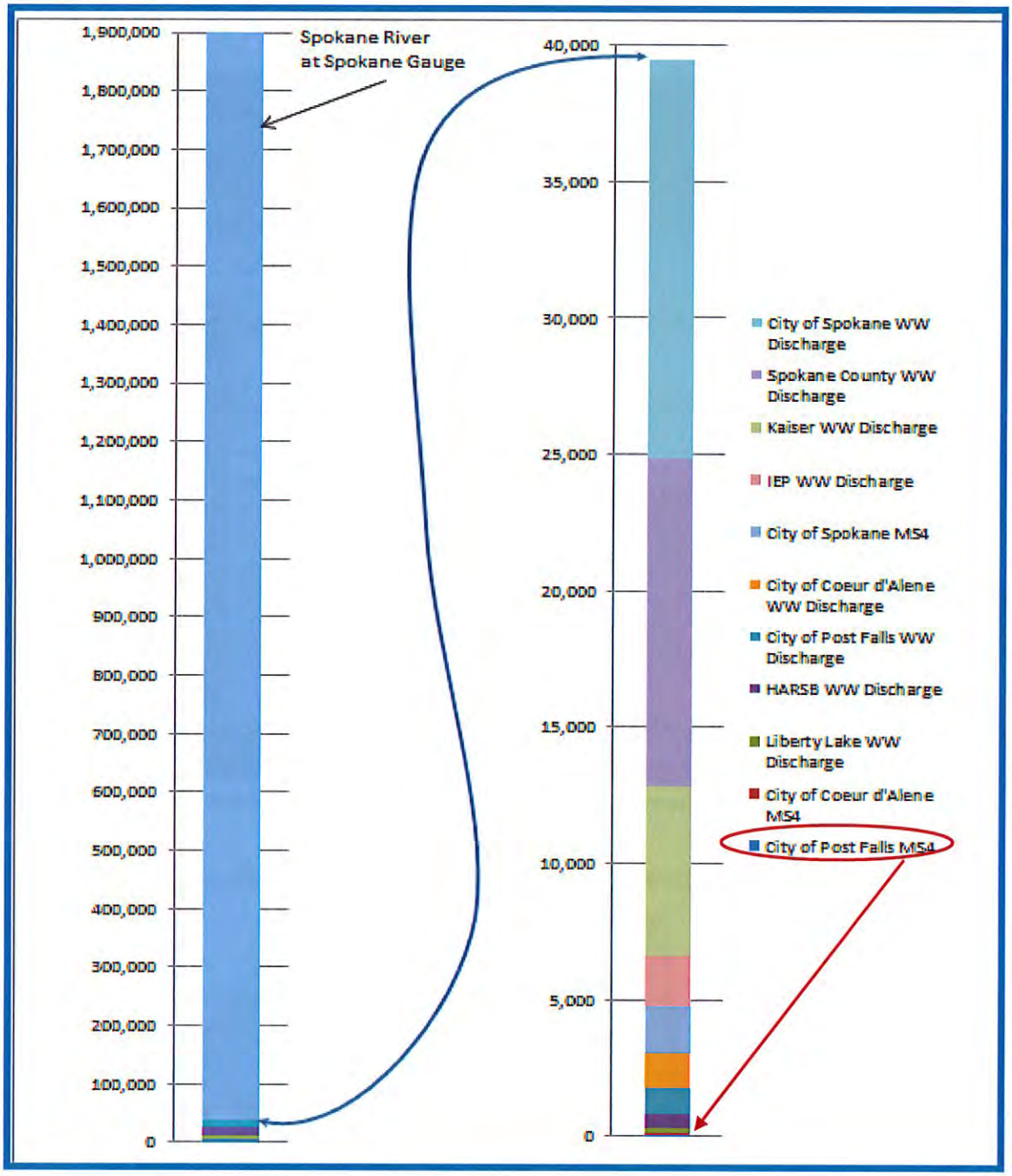


Figure: Illustration of relative annual flows from various sources in the Spokane River (million gallons per year, 2012, estimate). In this graphic, City of Post Falls MS4 is the least of all discharges and indistiguishable.

3. **Within one year from the effective date of this permit, the permittee's Annual Report must include a description of how the activities in each of the minimum control measures in Part II.B will be targeted by the permittee to control the discharge of pollutants of concern, and ensure to the maximum extent practicable that the MS4 discharges will not cause an in-stream violation of the applicable water quality standards. This discussion must specifically identify how the permittee will evaluate and measure the effectiveness of the SWMP to control the discharge of the pollutants(s) of concern. The permittee must submit this section of the SWMP to EPA and IDEQ as part of the first Annual Report required in Part IV.C, and update it as necessary in subsequent Annual Reports.**

   In a letter to EPA and copy to IDEQ dated August 15, 2011, the City of Post Falls provided its first description of how the activities in each of the minimum control measures in Part II.B will be targeted by the permittee to control the discharge of pollutants of concern, and ensure to the maximum extent practicable that the MS4 discharges will not cause an in-stream violation of the applicable water quality standards. In essence, the measure of control measure effectiveness is the impact the MS4 discharges have on water quality of the river.

   With three years' data now available, trending analysis can be conducted. The results of this analysis are included in section C.2. above. These data indicate that although the concentrations of some parameters of concern in discharges from the MS4 are higher than the concentration of the same parameters in the river, the resultant impact on in-stream concentrations and loads is so low as to not be measurable. A mathematical analysis (see section C.2., above) of mass loading indicated that the miniscule volume of the MS4 discharge relative to river flow has no measurable effect on pollutant concentrations in the river. We therefore conclude that discharges from the Post Falls MS4 do not cause Idaho in-stream water quality standards to be exceeded.

APPENDIX – D

RESULTS OF LAST 12 MONTHS OF MONITORING

2013

Stormwater/Events Data Files/Water Quality Data

4th Avenue Outfall

	PQL	Method
TSS, mg/L	1	SM2540
TP, mg/L	0.025	EPA365.3
Lead, mg/L	0.01	SM3120
TN, mg/L	0.08	SM 4500N B/4110
Zinc, mg/L	0.013	SM3120
Hardness, mg/L	0.2	SM2340
PCBs, ug/L	0.2	EPA 8082

Concentration					
	4th Avenue Outfall				
Sample Date	3/12/13	5/13/2013	7/8/2013	9/4/2013	
TSS, mg/L	208	407	550	100	
TP, mg/L	0.27	0.79	0.89	0.18	
Lead, mg/L	0.016	0.029	0.049	0.009	
TN, mg/L	1.25	5.23	3.61	1.95	
Zinc, mg/L	0.23	0.55	0.05	0.12	
Hardness, mg/L	66	82	54	24	
PCBs, ug/L	ND	ND	ND	ND	
Discharge Volume (cubic feet)	31,280	33,235	16,618	90,908	
Discharge Volume (gallons)	233,975	248,598	124,299	679,989	
Event Precip (inches)	0.08	0.60	0.28	0.15	
Inches per year =	22.51	Per USBR AgriMet Station RTHI for calendar year.			

2013

Stormwater/Events Data Files/Water Quality Data

Centennial Trail Outfall

	PQL	Method
TSS, mg/L	1	SM2540
TP, mg/L	0.025	EPA365.3
Lead, mg/L	0.01	SM3120
TN, mg/L	0.08	SM 4500N B/4110
Zinc, mg/L	0.013	SM3120
Hardness, mg/L	0.2	SM2340
PCBs, ug/L	0.2	EPA 8082

Concentration					
	Centennial Trail Outfall				
Sample Date	3/12/13	5/13/2013	7/8/2013	9/4/2013	
TSS, mg/L	304	550	840	353	
TP, mg/L	0.33	1.18	1.58	0.52	
Lead, mg/L	0.020	0.037	0.070	0.023	
TN, mg/L	1.66	9.81	5.92	2.55	
Zinc, mg/L	0.56	1.04	2.20	0.49	
Hardness, mg/L	135	190	122	71	
PCBs, ug/L	ND	ND	ND	ND	
Discharge Volume (cubic feet)	9,453	10,044	5,022	27,474	
Discharge Volume (gallons)	70,711	75,130	37,565	205,502	
Event Precip (inches)	0.08	0.60	0.28	0.15	
Inches per year =	22.51	Per USBR AgriMet Station RTHI for calendar year.			

2013

Event Pollutant Discharge (lbs)*					
	4th Avenue Outfall				
Sample Date	3/12/13	5/13/13	7/8/13	9/4/13	
TSS	406.12	844.34	570.50	567.45	
TP	0.52	1.63	0.92	1.01	
Lead	0.03	0.01	0.01	0.01	
TN	2.44	10.85	3.74	11.07	
Zinc	0.45	1.15	0.05	0.68	
Hardness	128.09	169.28	55.81	135.62	
PCBs	ND	ND	ND	ND	
Discharge Volume (gallons)	233,975	248,598	124,299	679,989	
Event Precip (inches)	0.08	0.60	0.28	0.15	
Inches per year =	22.51	Per USBR AgriMet Station RTHI for calendar year			

*Estimate only, subject to errors and assumptions.

Estimated Load/Inch Precip (lbs/inch)*					
	4th Avenue Outfall				
Sample Date	3/12/13	5/13/13	7/8/13	9/4/13	
TSS	5,077	1,407	2,038	3,783	
TP	6.49	2.72	3.28	6.73	
Lead	0.39	0.01	0.02	0.05	
TN	30.51	18.08	13.37	73.77	
Zinc	5.61	1.92	0.18	4.54	
Hardness	1601.1	282.1	199.3	904.1	
PCBs	ND	ND	ND	ND	
Disch Vol (gals.)	233,975	248,598	124,299	679,989	0

*Estimate only, subject to errors and assumptions.

2013

Event Pollutant Discharge (lbs)*					
	Centennial Trail Outfall				
Sample Date	3/12/13	5/13/13	7/8/13	9/4/13	
TSS	179.38	344.83	263.32	605.37	
TP	0.19	0.74	0.50	0.88	
Lead	0.01	0.00	0.00	0.01	
TN	0.98	6.15	1.86	4.37	
Zinc	0.33	0.65	0.69	0.84	
Hardness	79.66	119.12	38.24	121.24	
PCBs	ND	ND	ND	ND	
Discharge Volume (gallons)	70,711	75,130	37,565	205,502	
Event Precip (inches)	0.08	0.60	0.28	0.15	
Inches per year =	22.51	Per USBR AgriMet Station RTHI for calendar year			

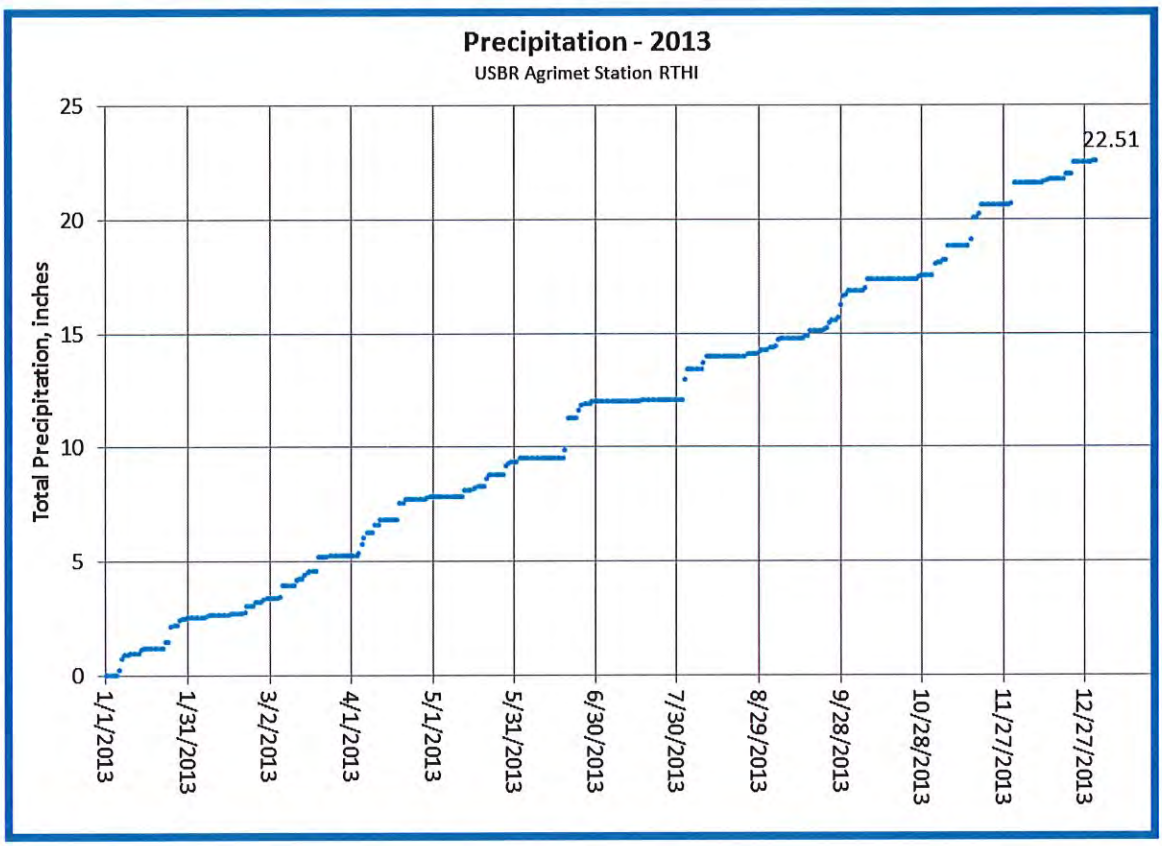
*Estimate only, subject to errors and assumptions.

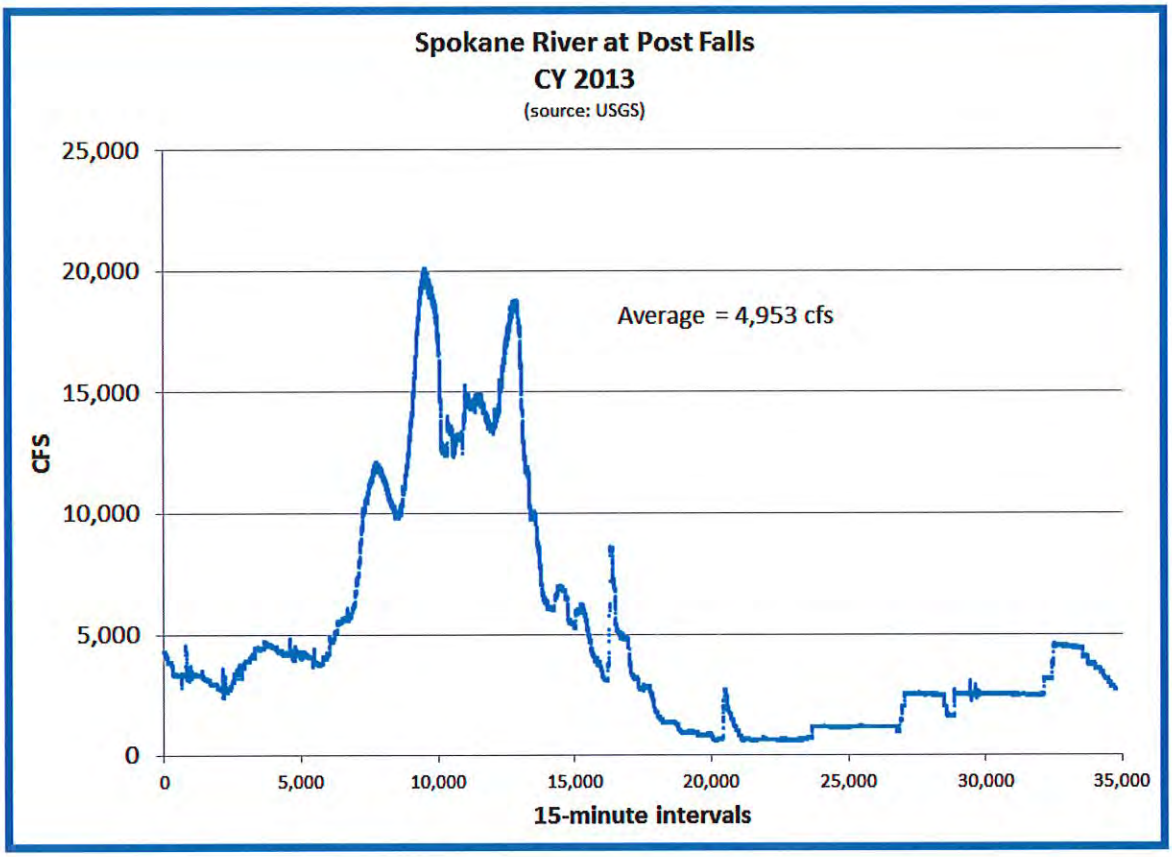
Estimated Load/Inch Precip (lbs/inch)*					
	Centennial Trail Outfall				
Sample Date	3/12/13	5/13/13	7/8/13	9/4/13	
TSS	2,242	575	940	4,036	
TP	2.43	1.23	1.77	5.90	
Lead	0.15	0.01	0.01	0.03	
TN	12.24	10.25	6.63	29.15	
Zinc	4.13	1.09	2.46	5.61	
Hardness	995.7590	198.5371	136.5876	808.2982	
PCBs	ND	ND	ND	ND	
Disch Vol (gals.)	70,711	75,130	37,565	205,502	0

*Estimate only, subject to errors and assumptions.

2013 Average Annual Load, lbs/day*			
	4th	Centennial	Total
TSS	151.8	96.1	247.9
TP	0.24	0.14	0.38
Lead	0.01	0.00	0.0083
TN	1.67	0.72	2.39
Zinc	0.15	0.16	0.32
Hardness	36.84	26.39	63.22
PCBs	ND	ND	ND
*Estimate only, subject to errors and assumptions.			

2013 Average Annual Load, lbs/year*			
	4th	Centennial	Total
TSS	55,394	35,085	90,479
TP	86.6	51.0	137.6
Lead	2.13	0.89	3.02
TN	611.1	262.4	873.4
Zinc	55.1	59.8	115.0
Hardness	13,446	9,631	23,076
PCBs	ND	ND	ND
*Estimate only, subject to errors and assumptions.			


Precipitation - 2013
USBR Agrimet Station RTHI
Total Precipitation, inches
25
20
15
10
5
0
22.51
1/1/2013
1/31/2013
3/2/2013
4/1/2013
5/1/2013
5/31/2013
6/30/2013
7/30/2013
8/29/2013
9/28/2013
10/28/2013
11/27/2013
12/27/2013


Spokane River at Post Falls
CY 2013
(source: USGS)
CFS
25,000
20,000
15,000
10,000
5,000
0
Average = 4,953 cfs
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
15-minute intervals

APPENDIX – E

SUMMARY OF INSPECTIONS AND ENFORCEMENT ACTIONS

In 2013, there were no construction projects in the City of Post Falls that disturbed more than one acre that had the potential to discharge to the MS4 system. No inspections and enforcement actions were conducted as a result.

APPENDIX – F

SUMMARY OF ENFORCEMENT ACTIONS RECEIVED

The City of Post Falls MS4 did not receive any enforcement actions from a designated storm water regulatory agency in 2013.

APPENDIX – G

SCHEDULE OF PLANNED IMPLEMENTATION ACTIVITIES FOR 2014

The activities planned for the 2014 reporting period include the following:

1. Public education:
   a. Storm water article published in the local newspaper.
   b. Storm water article published on the City website.
   c. Storm water public service announcement broadcast on City's cable TV channel.
   d. Public education events, such as "Environmental Open House".
   e. Direct mail or hand delivered brochure as needed.
2. City staff education: provide training materials related to City job functions as they relate to storm water.
3. Storm water monitoring: at least 4 samples during the required monitoring season.
4. Storm water system maintenance: inspect and clean catch basins.
5. Screen outfalls for dry weather flows.
6. Assess the adequacy of BMPs.
7. Complete the 2014 annual report.
8. Post on-line all annual reports and the storm water management plan.
9. Conduct pre-construction plan reviews, construction site inspections and enforcement as needed.

APPENDIX – H

SCHEDULE OF PLANNED BMPs NEEDED TO COMPLY WITH WATER QUALITY STANDARDS

The City conducts routine street sweeping and maintenance of storm drains every year. Street and storm drain maintenance is conducted from February through September. In 2013, approximately 6,820 cubic yards of debris and grit were removed from City streets and over 60 catch basins were cleaned and inspected. As demonstrated by the monitoring data in Appendix C, the Post Falls MS4 does not cause violations of Idaho in-stream water quality standards for the Spokane River. Therefore no additional BMPs are needed for the Post Falls MS4.

In 2013, the City investigated the potential for eliminating all discharge from the MS4 system by increasing the use of bio-filtration swales and other improvements in the drainage areas served by the two MS4 outfalls. The study (see Appendix I) concluded that it would be possible to eliminate all discharge from the MS4 outfalls, but at considerable expense. However, where feasible and as part of re-development activities, expansion of the biofiltration system will continue with the effect of incrementally reducing discharge to the MS4.

APPENDIX – I

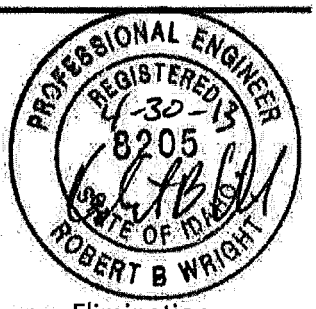
COPIES OF PERMIT RELATED PRODUCTS

END OF REPORT

J-U-B ENGINEERS, INC.

J-U-B COMPANIES | THE LANGDON GROUP | GATEWAY MAPPING INC.

TECHNICAL MEMORANDUM



DATE: April 30, 2013

TO: Mike Neher, Environmental Coordinator, City of Post Falls

FROM: Robert B. Wright, P.E.

SUBJECT: Technical Memorandum–City of Post Falls Stormwater Discharge Elimination

This Technical Memorandum (TM) was prepared to explore planning level broad-based solutions for eliminating or reducing stormwater discharge at the Centennial Outfall and 4th Street Outfall to the Spokane River (locations shown on **Attachment #1**). In order to reduce or eliminate stormwater discharges, all or a portion of the stormwater in these basins must be treated and disposed of elsewhere. Two acceptable methods for treatment and disposal to protect the Rathdrum Prairie Sensitive Resource Aquifer include the use of grassed infiltration areas (GIAs) for treatment of the "first flush" and drywells for disposal of the 25-year storm event.

Method 1 - The first involves capturing the first one-half inch of runoff from impervious surfaces in a GIA. The volume of stormwater run-off (Impervious Area X 0.5-inches) is temporarily detained below the drywell rim elevation until it percolates through the root zone and soil column, which provides the treatment component. The maximum depth of the GIA is limited to 6 inches to prevent drowning the vegetation. Drywell rim elevations are set 6 inches above the bottom of the GIA and are used to dispose of stormwater runoff volumes exceeding the first one-half inch up to a 25-year storm event. One can estimate the required GIA bottom area to detain the first one-half inch volume below the drywell rim elevation by dividing the impervious area by 12. Of course, side slopes must be added to the total area needed to construct the GIAs and match surrounding ground elevations.

Method 2 - The second method was developed by the Storm Water Technical Advisory Committee in 2001 and was incorporated into the Department of Environmental Quality (DEQ) Best Management Practices (BMP 2). The GIA is sized by developing a percolation flow rate through the GIA that is greater than the flow rate from the design storm that produces 90 percent of the flows that carry contaminants. Percolation rates through the GIA range from 0.5 inches per hour to 3 inches per hour. A storm precipitation rate of 0.1 inches per hour is utilized, as it represents 90 percent of the annual rain events in the region (Dobler, 2000). The drywells are sized to dispose of the 25-year storm event, but the rim elevations are reduced to approximately 2 to 3 inches above the bottom of the GIA to reduce the amount of ponding in the GIAs. This method typically results in smaller required GIAs, as the infiltrative capacity of the region's soils typically permits percolation rates in the upper end of the range and the side slopes can be minimized.

a 7825 Meadowlark Way, Coeur d'Alene, ID 83815 *p* (208)762 8787 *f* (208)762 9797 *w* www.jub.com

For the purpose of this report, required GIA sizes (infiltrative surface) are provided for both methods. Method 2 assumed a design GIA percolation rate of 2 inches per hour, which has been considered easily attainable in soils over the Rathdrum Prairie Aquifer based on single-ring infiltrometer testing.

City staff provided impervious areas for each drainage basin. To eliminate each outfall, the minimum GIA bottom areas for both Method 1 and Method 2 are estimated as follows:

Outfall	Impervious Area	Method 1 GIA Bottom Area (First ½ ")	Method 2 GIA Bottom Area (2"/HR)
4th Street	26.9 Acres	2.24 Acres	1.26 Acres
Centennial	8.1 Acres	0.68 Acres	0.38 Acres

Outfall Flow Reduction or Elimination Alternatives:

- Install GIAs adjacent to streets similar to the City of Post Falls street standards.
  - Advantages
    - GIAs are relatively narrow
    - Eliminates the need for a storm drain system
    - Stormwater is treated and disposed of near the source
  - Disadvantages
    - Right-of-way is not available in all locations
    - The scope of work spans the entire drainage basin
    - More swales to maintain
- Install one GIA downstream of the last contributing catch basin to accommodate the entire basin
  - Advantages
    - The scope of work is confined to one location
    - Swale maintenance is limited to one location
    - Utilize existing storm drain system to convey stormwater
  - Disadvantages
    - May need to acquire property for large GIA

- Existing storm mains are relatively deep (12- to 15-feet deep at 4th Street; 20+ feet at Centennial Trail near Seltice crossing), requiring deep excavation for GIA

- Install one GIA downstream of the last contributing catch basin; install stormwater pumping station to convey to GIA at higher elevation
  - Advantages
    - The scope of work is confined to one location
    - Swale maintenance limited to one location
    - Utilize existing storm drain system to convey stormwater
    - Reduced excavation costs
  - Disadvantages
    - May need to acquire property for GIA and pumping station
    - Increased costs for construction of pumping station
    - Increased maintenance costs for pumping station
- Utilize Corbin Ditch as GIA
  - Advantages
    - Existing storm drain already conveys stormwater to this location
    - No pumping required
  - Disadvantages
    - The existing configuration is approximately 8 feet wide by 950 feet long. With approximately 7,600 sf (0.17 acres) available, the ditch would need to be widened or additional fill material would be required to produce a minimum 31-foot wide GIA bottom for Method 1 and a minimum 18-foot wide GIA bottom for Method 2 to treat all of the stormwater runoff in the Centennial Basin.
    - Concrete bottom would need to be removed.
    - Would need geotechnical investigation to determine stability.
    - Would require coordination with State Historic Preservation Society to determine feasibility.

Using a combination of aerial photo review with field reconnaissance, a combination of the above-listed alternatives is recommended to reduce stormwater discharge to the Spokane River. The City of Post Falls MS4 System Map was annotated to show opportunities for reducing stormwater discharges (see **Attachment #1**).

Preliminary Improvement Priorities

1st Tier Priorities

1st Tier Priorities were developed based on an assumed ease of incorporation, taking into account topography and available right-of-way. This analysis did not consider other utilities such as power, telephone, gas, and fiber optics that may be present in the right-of-way.

Centennial Trail Outfall

1. Construct a GIA on either side of Seltice Way between the Railroad Bridge and Chase Road where topography permits (approximately 300 lf west of Railroad Bridge). This could be accomplished with installation of drainage drop curbs.
2. Construct a GIA on the south side of Seltice Way between Catherine Street and the Railroad Bridge. There appears to be a narrow strip of land adjacent to the curb that may be wide enough for a GIA. Stormwater conveyance to the GIA could be accomplished with the installation of drainage drop curbs. A small segmental block wall may be required on the back side of the GIA.

4th Street Outfall

3. 4th Avenue between Idaho Street and Seltice Way – Construct a GIA on the north side of 4th Avenue. This GIA will likely need to treat the entire roadway, as the south side of the road is constrained by the mill site and lack of available right-of-way. Stormwater conveyance to the GIA could be accomplished via catch basins and stormwater piping, which will require a deepened GIA.
4. Idaho Street between 4th Avenue and 5th Avenue – Construct a GIA on both sides of Idaho Street. Stormwater conveyance to the GIA could be accomplished with the installation of drainage drop curbs.
5. 5th Avenue between William Street and Idaho Street – Construct a GIA on the north side of 5th Avenue. This GIA will likely need to treat the entire roadway, as the south side of the road is constrained with development and lack of available right-of-way. Stormwater conveyance to the GIA could be accomplished via catch basins and stormwater piping, which will require a deepened GIA. Please note this area also appears to be an arboretum.
6. 6th Avenue between William Street and Idaho Street – Construct a GIA on both sides of 6th Avenue. Stormwater conveyance to the GIA could be accomplished with the installation of drainage drop curbs. Please note the south side of 6th Avenue appears to be an arboretum.
7. 6th Avenue between Frederick and Alley to west – Construct a GIA on the north side of 6th Avenue. This GIA will likely need to treat the entire roadway, as the south side of the road is constrained by the I-90 off ramp. Stormwater conveyance to the GIA could be accomplished via catch basins and stormwater piping, which will require a deepened GIA.

8. Frederick Street between 6th Avenue and 7th Avenue – Construct a GIA on both sides of Frederick Street. This area is not curbed. Stormwater runoff could sheet drain to the GIA but would need to be protected from parking of vehicles in the GIA.
9. Incorporate stormwater treatment and disposal into Spokane Street project.

Implementation of all 1st Tier Priorities would result in an approximate 50 percent reduction of impervious area in the 4th Street Basin and 20 percent reduction in the Centennial Basin.

2nd Tier Priorities

2nd Tier Priorities are generally considered more costly to implement.

10. Further investigate the use of the Corbin Ditch as a GIA with drywells. With the elimination of some impervious area on Seltice Way, the existing Corbin Ditch configuration may have sufficient infiltrative surface to treat the remaining stormwater runoff in the Centennial Basin.
11. Consider purchasing additional right-of-way along Seltice Way and Spokane Street necessary to treat and dispose of stormwater runoff (Centennial Basin).
12. Consider installation of a stormwater pump station in tandem with additional property acquisition to treat and dispose of stormwater near outfalls (Centennial and 4th Avenue Basins).
13. Vacant land north of 4th Avenue in the proximity of the railroad tracks may be of sufficient size to serve as a GIA for the 4th Street Outfall.
14. There are undeveloped lots adjacent to Seltice Way of sufficient size to serve as a GIA for the Centennial Trail Outfall.
15. The City also owns land adjacent to the Centennial Trail south of I-90, which could serve as a community swale; however, due to its proximity to existing slopes to the Spokane River and existing homes down gradient, a geotechnical investigation would be warranted (see **Attachment #2**).

Assuming implementation of 1st Tier Priorities, the remaining GIA requirements for 2nd Tier Priorities are as follows:

Outfall	Remaining Impervious Area	Method 1 GIA Bottom Area (First ½ ")	Method 2 GIA Bottom Area (2"/HR)
4th Street	13.45 Acres	1.12 Acres	0.63 Acres
Centennial	6.48 Acres	0.54 Acres	0.30 Acres

Budget Level Costs

The following budget level costs have been provided. These costs are presented without detailed analysis and are intended to provide a general guidance between the various alternatives. No engineering fees are included.

- GIA – Approximately $10-$16 per linear foot of roadway based on values obtained from Appendix F of the 2004 City of Post Falls Transportation Master Plan. Tier 1 Priorities include an estimated 9,000 LF of roadway. Using these values, construction costs to implement Tier 1 Priorities would range from $90,000 to $144,000. Keep in mind that these are 2004 planning numbers and do not account for site-specific issues such as potential utility conflicts, curb removal and replacement, asphalt patching, etc.
- Stormwater Pumping Station – $500,000 each, exclusive of Operation and Maintenance costs.
- Large Community Swale – $100,000-$150,000, exclusive of property acquisition.

Conclusions

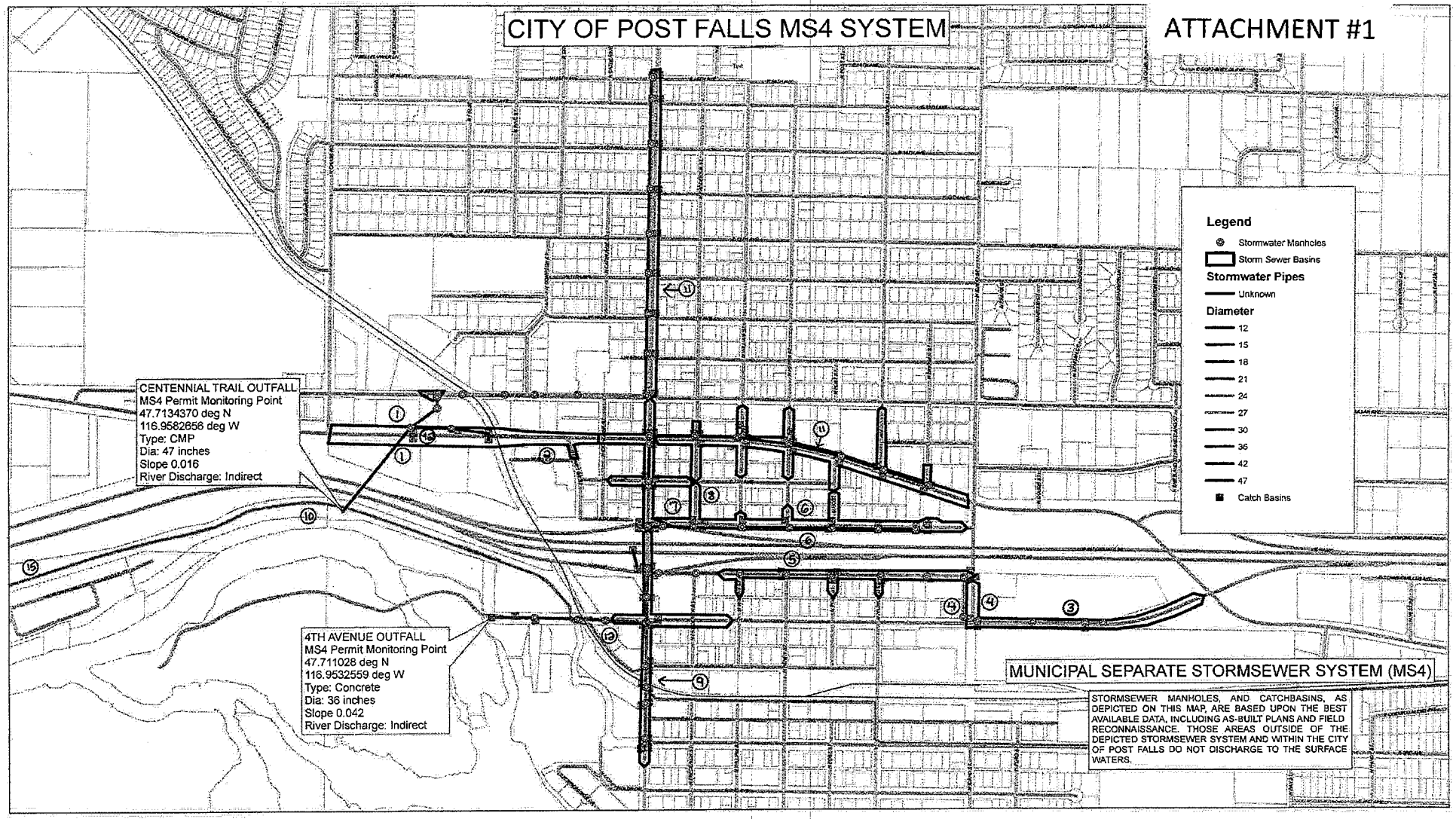
J-U-B recommends addressing 1st Tier Priorities first to reduce stormwater discharges to the Spokane River. If all of the 1st Tier Priorities are implemented, pumping of stormwater to a larger GIA will likely be required for both drainage basins.

The 4th Street Outfall would require a minimum of 0.63 acres of GIA Bottom Area (Method 2).

The Centennial Trail Outfall would require a minimum of 0.32 acres of GIA Bottom Area (Method 2). Utilizing the Corbin Ditch (estimated 0.17 acres) would result in a deficiency of 0.15 acres (Method 2). Increasing the assumed infiltration rate to the maximum allowed would reduce the required infiltrative area by one third to 0.20 acres. Further refinement of the available concept level information would be required to determine if this would be sufficient.

CITY OF POST FALLS MS4 SYSTEM

ATTACHMENT #1



MUNICIPAL SEPARATE STORMSEWER SYSTEM (MS4)

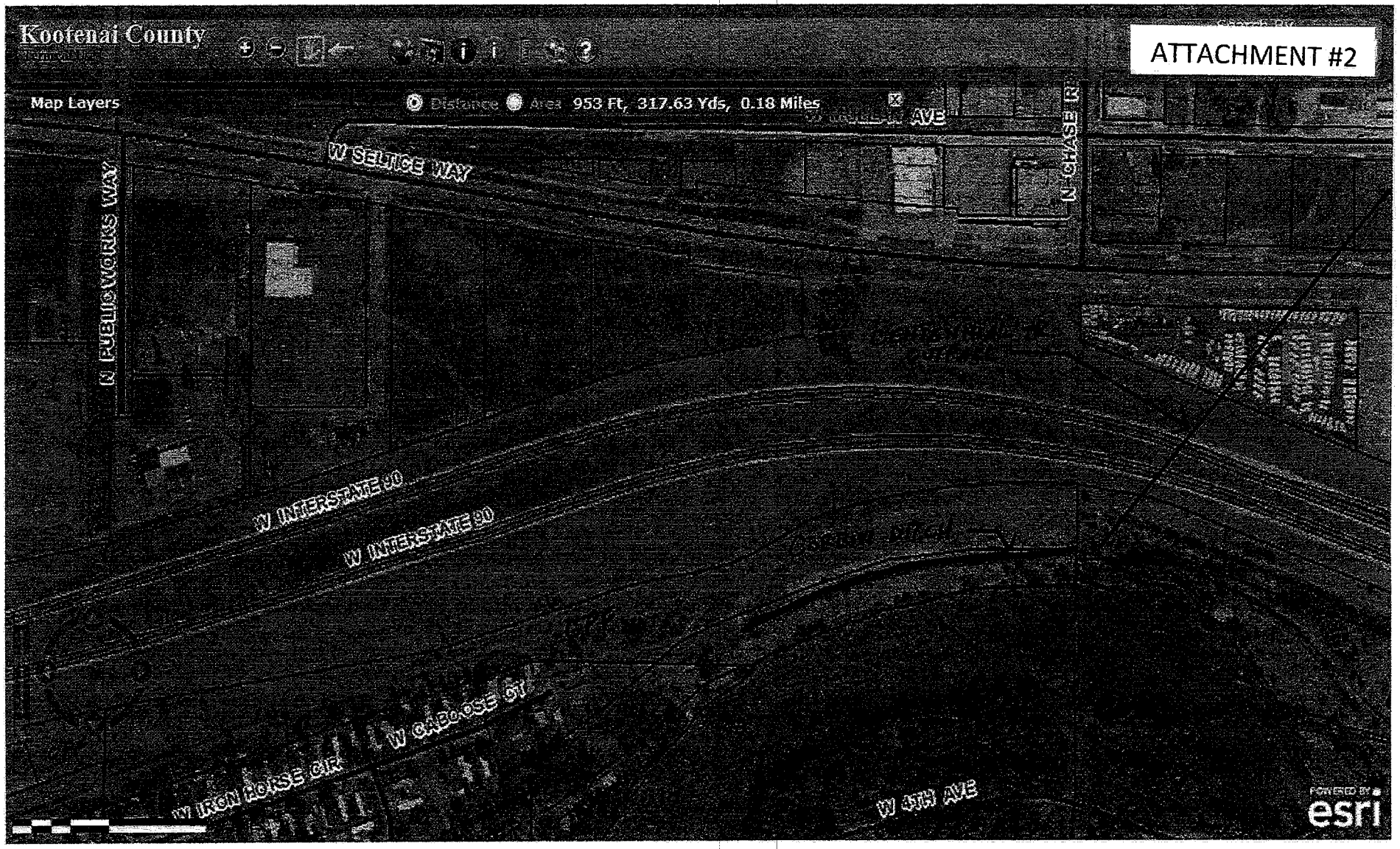
STORMSEWER MANHOLES, AND CATCHBASINS, AS DEPICTED ON THIS MAP, ARE BASED UPON THE BEST AVAILABLE DATA, INCLUDING AS-BUILT PLANS AND FIELD RECONNAISSANCE. THOSE AREAS OUTSIDE OF THE DEPICTED STORMSEWER SYSTEM AND WITHIN THE CITY OF POST FALLS DO NOT DISCHARGE TO THE SURFACE WATERS.

Disclaimer:
The information contained in this map is intended for reference purposes only, please check with the Engineering/Water Reclamation Departments to verify current status of the information contained herein.

0 250 500 1,000 1,500 2,000 Feet

N W E S

CITY OF POST FALLS


Kootenai County
ATTACHMENT #2
Map Layers
Distance
Area
953 Ft, 317.63 Yds, 0.18 Miles
W SELTICE WAY
N PUBLIC WORKS WAY
N CHASE RD
W INTERSTATE 90
W INTERSTATE 90
W IRON HORSE CIR
W CABOOSE CT
W 4TH AVE
esri

CITY OF
POST FALLS

Public Services Department
Utility Services Division

MEMORANDUM

DATE: January 8, 2014

TO: Stormwater Program File

FROM: Mike Neher, Environmental Manager

SUBJECT: Construction Site Inspection and Enforcement 2013

In 2013 there were no construction projects in the City of Post Falls that disturbed more than one acre and had the potential to discharge to the MS4 system. As a result, there were no inspections or enforcement actions of such projects required or taken.

Mike Neher, Environmental Manager

2002 West Seltice Way, Post Falls, ID 83854 • *tel* (208)773-1438 • *fax* (208)773-0311 • www.postfallsidaho.org

Michael Neher

From: Michael Neher
Sent: Wednesday, October 02, 2013 8:19 AM
To: Matt Isch; Don Ellis; Hazel Day; David Fair; Debbie Frank; Bill Melvin; Rob Palus; Jim Porter; Hilary Anderson; Carol Daniels; Kathy Rosia
Cc: Terry Werner; Michael Kirby; Teresa Benner; Kit Hoffer
Subject: Annual Surface Water Training Requirement - Due by November 1, 2013
Attachments: EMPLOYEE TRAINING RECORD FORM2013.doc

This year we have a new training video posted on the City Intranet to get your annual "surface water" (old term = stormwater) training. The City has a "Stormwater Discharge Permit" from EPA that requires annual training for staff that are involved to some degree with the City's surface water management system. That is why Utilities, Parks, Streets, Engineering and Community Development are being notified of this requirement. We need to get this done by November 1, 2013.

To make this training as convenient as possible, we purchased a training video from the Texas Council of Environmental Quality and Mike Kirby posted it for us on the employee Intranet for your viewing. There are 6 chapters. Your staff should view at least one of the 6 chapters and write the chapter number(s) viewed next to their name on the signup sheet. Each chapter is about 10 minutes long. Feel free to view any of the chapters, not just the one that seems to apply to your department.

The 6 chapters are:

1. Introduction: What We Can Do.
2. Construction Activities and Land Disturbances.
3. Fleet Maintenance and Materials Handling.
4. Streets and Drainage Maintenance
5. Parks and Grounds Maintenance
6. Solid Waste Management

EPA rules apply to all states, so even though these videos mention Texas agencies, the same principles apply here.

Supervisors: Please send the completed signup sheets to me by November 1, 2013. Send to Mike Neher at the Water Reclamation Facility either via interoffice mail or email. Thank you.

To access the training, **log on to the City intranet.** You will see the following page where you can click on "View Surface Water training videos HERE. "
If any questions, feel free to call me at x205. Thanks again for your cooperation.

-Mike Neher

Supervisor: Please return completed form to Water Reclamation Facility or email to mneher@postfallsidaho.org
Deadline: November 1, 2013

SURFACE WATER MANAGEMENT PROGRAM
2013 EMPLOYEE TRAINING RECORD

Department/Division: _____

"I certify that the following employees have completed the training chapters indicated below."

Supervisor's Signature: _____ Date: _____

Employee Name	List the chapters you completed (write the chapter number(s) - see list at bottom of page)

Chapter #	Chapter Title
1	Introduction: What We Can Do
2	Construction Activities and Land Disturbances
3	Fleet Maintenance and Material Handling
4	Streets and Drainage Maintenance
5	Parks and Grounds Maintenance
6	Solid Waste management

City of Post Falls Intranet

View Surface Water training videos HERE.

Take a look at the HR Events calendar HERE.

The results of the Employee Opinion survey are in. Click HERE to take a look.

IMPORTANT:
Here's a video recommended by the PD to give you some tips on what to do in an Active Shooter situation.

Water Reclamation Training Video Page

Introduction: What We Can Do.

Construction Activities and Land Disturbances

Fleet Maintenance and Materials Handling

Streets and Drainage Maintenance

Parks and Grounds Maintenance

Solid Waste Management

Employee Training Record Form

Supervisor: Please return completed form to Water Reclamation Facility or email to mneher@postfallsidaho.org
Deadline: November 1, 2013

SURFACE WATER MANAGEMENT PROGRAM
2013 EMPLOYEE TRAINING RECORD

Department/Division: Street maintenance

"I certify that the following employees have completed the training chapters indicated below."

Supervisor's Signature: Steve Tate Date: 10/7/13

Employee Name	List the chapters you completed (write the chapter number(s) - see list at bottom of page)
Steve Tate	4
John Bowman	4
Keith S Hardy	4
K [illegible]	4
Jon Ulrich	4
R. Amy	4

Chapter #	Chapter Title
1	Introduction: What We Can Do
2	Construction Activities and Land Disturbances
3	Fleet Maintenance and Material Handling
4	Streets and Drainage Maintenance
5	Parks and Grounds Maintenance
6	Solid Waste management

Supervisor: Please return completed form to Water Reclamation Facility or email to mneher@postfallsidaho.org
Deadline: November 1, 2013

SURFACE WATER MANAGEMENT PROGRAM
2013 EMPLOYEE TRAINING RECORD

Department/Division: Street Div (Traffic Maintenance)

"I certify that the following employees have completed the training chapters indicated below."

Supervisor's Signature: _____ Date: 10-9-13

Employee Name	List the chapters you completed (write the chapter number(s) - see list at bottom of page)
Clint Boran	1, 4
Ben Payton	1, 4
Bruce Hesterberg	1, 4

Chapter #	Chapter Title
1	Introduction: What We Can Do
2	Construction Activities and Land Disturbances
3	Fleet Maintenance and Material Handling
4	Streets and Drainage Maintenance
5	Parks and Grounds Maintenance
6	Solid Waste management

Supervisor: Please return completed form to Water Reclamation Facility or email to mneher@postfallsidaho.org
Deadline: November 1, 2013

SURFACE WATER MANAGEMENT PROGRAM
2013 EMPLOYEE TRAINING RECORD

Department/Division: Street Dv (Traffic Maintenance)

"I certify that the following employees have completed the training chapters indicated below."

Supervisor's Signature: _____ Date: 10-9-13

Employee Name	List the chapters you completed (write the chapter number(s) - see list at bottom of page)
Clint Boren	1, 4
Ben Payton	1, 4
Bruce Hesterberg	1, 4

Chapter #	Chapter Title
1	Introduction: What We Can Do
2	Construction Activities and Land Disturbances
3	Fleet Maintenance and Material Handling
4	Streets and Drainage Maintenance
5	Parks and Grounds Maintenance
6	Solid Waste management

Supervisor: Please return completed form to Water Reclamation Facility or email to mneher@postfallsidaho.org
Deadline: November 1, 2013

SURFACE WATER MANAGEMENT PROGRAM
2013 EMPLOYEE TRAINING RECORD

Department/Division: MAINTENANCE

"I certify that the following employees have completed the training chapters indicated below."

Supervisor's Signature: _____ Date: 10-10-2013

Employee Name	List the chapters you completed (write the chapter number(s) - see list at bottom of page)
Rick Steele	# 1
Wayne Johnson	1
Tommy Hyer	1
[illegible]	1
[illegible]	1
Rick Steele	# 2
Wayne Johnson	2
Tommy Hyer	2
[illegible]	2
[illegible]	2
Rick Steele	5
Wayne Johnson	5
Tommy Hyer	5
[illegible]	5
[illegible]	5

Chapter #	Chapter Title
1	Introduction: What We Can Do
2	Construction Activities and Land Disturbances
3	Fleet Maintenance and Material Handling
4	Streets and Drainage Maintenance
5	Parks and Grounds Maintenance
6	Solid Waste management

Supervisor: Please return completed form to Water Reclamation Facility or email to mneher@postfallsidaho.org
Deadline: November 1, 2013

SURFACE WATER MANAGEMENT PROGRAM
2013 EMPLOYEE TRAINING RECORD

Department/Division: Fleet

"I certify that the following employees have completed the training chapters indicated below."

Supervisor's Signature: Dan Hawkes Date: 10-23-13

Employee Name	List the chapters you completed (write the chapter number(s) - see list at bottom of page)
Tim DeWitt	1 & 3
David Hawkes	1 & 3

Chapter #	Chapter Title
1	Introduction: What We Can Do
2	Construction Activities and Land Disturbances
3	Fleet Maintenance and Material Handling
4	Streets and Drainage Maintenance
5	Parks and Grounds Maintenance
6	Solid Waste management

Supervisor: Please return completed form to Water Reclamation Facility or email to mneher@postfallsidaho.org
Deadline: November 1, 2013

SURFACE WATER MANAGEMENT PROGRAM
2013 EMPLOYEE TRAINING RECORD

Department/Division: Water

"I certify that the following employees have completed the training chapters indicated below."

Supervisor's Signature: [signature] Date: 10-21-13

Employee Name	List the chapters you completed (write the chapter number(s) - see list at bottom of page)
Tim Lochrie 10/3/13	Chapt. 1 video
Bill Vineyard 10-7-13	Chapt-1 Intro. what we Can Do
BRUCE PAGANO 10/8/13	Chap. 1
Carol Daniels 10-9-13	Chapter-1-Const Activities: Land Dist.
Matt Esch 10-15-13	chap 1 & 3
Bob Danner 10-21-13	Chp 1

Chapter #	Chapter Title
1	Introduction: What We Can Do
2	Construction Activities and Land Disturbances
3	Fleet Maintenance and Material Handling
4	Streets and Drainage Maintenance
5	Parks and Grounds Maintenance
6	Solid Waste management

Supervisor: Please return completed form to Water Reclamation Facility or email to mneher@postfallsidaho.org
Deadline: November 1, 2013

SURFACE WATER MANAGEMENT PROGRAM
2013 EMPLOYEE TRAINING RECORD

Department/Division: Planning

"I certify that the following employees have completed the training chapters indicated below."

Supervisor's Signature: Hilary Anderson Date: 10/14/13

Employee Name	List the chapters you completed (write the chapter number(s) - see list at bottom of page)
Hilary Anderson 5	Parks & Grounds Maint.
Kelley Setters	2 & 5
Jon Manley 5	Parks & Grounds Maint.

Chapter #	Chapter Title
1	Introduction: What We Can Do
2	Construction Activities and Land Disturbances
3	Fleet Maintenance and Material Handling
4	Streets and Drainage Maintenance
5	Parks and Grounds Maintenance
6	Solid Waste management

Supervisor: Please return completed form to Water Reclamation Facility or email to mneher@postfallsidaho.org
Deadline: November 1, 2013

SURFACE WATER MANAGEMENT PROGRAM
2013 EMPLOYEE TRAINING RECORD

Department/Division: ENGINEERING DIVISION

"I certify that the following employees have completed the training chapters indicated below."

Supervisor's Signature: _____ Date: OCTOBER 3, 2013

Employee Name	**List the chapters you completed** (write the chapter number(s) - see list at bottom of page)
WILLIAM F. MELVIN, CITY ENGINEER	1, 2, 4 & 5
ROBERT S. PALUS, ASST. CITY ENGINEER	1, 2, 4 & 5
JAMES MULCAHY, STAFF ENGINEER	1, 2, 4 & 5
DARRIN HIBBS, SR. ENGINEERING TECH	1, 2, 4 & 5
FAYE GRIFFITHS, ENG. ADMIN. SPECIALIST	1, 2, 4 & 5

Chapter #	**Chapter Title**
1	Introduction: What We Can Do
2	Construction Activities and Land Disturbances
3	Fleet Maintenance and Material Handling
4	Streets and Drainage Maintenance
5	Parks and Grounds Maintenance
6	Solid Waste management

Supervisor: Please return completed form to Water Reclamation Facility or email to mneher@postfallsidaho.org
Deadline: November 1, 2013

SURFACE WATER MANAGEMENT PROGRAM
2013 EMPLOYEE TRAINING RECORD

Department/Division: 2002 W Seltice Way

"I certify that the following employees have completed the training chapters indicated below."

Supervisor's Signature: _____ Date: 10-11-2013

Employee Name	List the chapters you completed (write the chapter number(s) - see list at bottom of page)
Hazel Day	Chapters 1, 2, 4
Mike Neher	1, 2, 3, 4, 5, 6

Chapter #	Chapter Title
1	Introduction: What We Can Do
2	Construction Activities and Land Disturbances
3	Fleet Maintenance and Material Handling
4	Streets and Drainage Maintenance
5	Parks and Grounds Maintenance
6	Solid Waste management

Supervisor: Please return completed form to Water Reclamation Facility or email to mneher@postfallsidaho.org
Deadline: November 1, 2013

SURFACE WATER MANAGEMENT PROGRAM
2013 EMPLOYEE TRAINING RECORD

Department/Division: Public Services

"I certify that the following employees have completed the training chapters indicated below."

Supervisor's Signature: Terry C Werner Date: 10-2-2013

Employee Name	List the chapters you completed (write the chapter number(s) - see list at bottom of page)
Terry C. Werner	1, 2, 3, 4

Chapter #	Chapter Title
1	Introduction: What We Can Do
2	Construction Activities and Land Disturbances
3	Fleet Maintenance and Material Handling
4	Streets and Drainage Maintenance
5	Parks and Grounds Maintenance
6	Solid Waste management

Supervisor: Please return completed form to Water Reclamation Facility or email to mneher@postfallsidaho.org
Deadline: November 1, 2013

SURFACE WATER MANAGEMENT PROGRAM
2013 EMPLOYEE TRAINING RECORD

Department/Division: Building Division

"I certify that the following employees have completed the training chapters indicated below."

Supervisor's Signature: Russell Cornell Date: 10-8-13

Employee Name	List the chapters you completed (write the chapter number(s) - see list at bottom of page)
Harmony Conley-Oaks	1, 2, 5
Justin Miller	1, 2, 3, 4, 5, 6,
Russell Cornell	1, 2, 4, 5

Chapter #	Chapter Title
1	Introduction: What We Can Do
2	Construction Activities and Land Disturbances
3	Fleet Maintenance and Material Handling
4	Streets and Drainage Maintenance
5	Parks and Grounds Maintenance
6	Solid Waste management

Supervisor: Please return completed form to Water Reclamation Facility or email to mneher@postfallsidaho.org
Deadline: November 1, 2013

SURFACE WATER MANAGEMENT PROGRAM
2013 EMPLOYEE TRAINING RECORD

Department/Division: Water Reclamation Division

"I certify that the following employees have completed the training chapters indicated below."

Supervisor's Signature: [signature] Date: 10/8/13

Employee Name	List the chapters you completed (write the chapter number(s) - see list at bottom of page)
Don Ellis	Chapter 1, 2
Bryan Petersen	Chapter 4
Ryan R Benson	Chp 4
Robert Hatcher	chapter 4
Andrew Immen	Chapter 4
Carlos Betancourt	chapter #4
TOM VALENZUELA	Chapter #2
Adam Tate	Chapter 1
Mark Barkley	Chapter #1
Chad Worley	Chapter #2

Chapter #	Chapter Title
1	Introduction: What We Can Do
2	Construction Activities and Land Disturbances
3	Fleet Maintenance and Material Handling
4	Streets and Drainage Maintenance
5	Parks and Grounds Maintenance
6	Solid Waste management

2013	Number of Loads						
	553	554	553	554	553	554	
Day	Sand/Silt	Sand/Silt	Gravel/Chips	Gravel/Chips	Light Debris	Light Debris	Total of all loads
October	October Totals	0	0	0	0	0	0
November	November Totals	0	0	0	0	0	0
December	December Totals	0	0	0	0	0	0
January	January Totals	0	0	0	0	0	0
February	February Totals	0	50	0	0	0	50
March	March Totals	33	6	0	0	6	45
April	April Totals	12	57	0	1	0	70
May	May Totals	51.5	25.5	1	0	1	79
June	June Totals	16.75	14.5	0	0	4	35.25
July	July Totals	19.5	29	0	0	0	48.5
August	August Totals	8	33.5	0	9	0	50.5
September	September Totals	0	38	9	0	1	48
Yearyl Totals	0	140.75	253.5	10	10	12	426.25

Yards of Debris	0	563	1014	40	40	48	**1705**

1= 4yards
.5=2yards

Pollution after the storm

New river rules aim at protect fish, human health

By Post Falls City staff

New environmental rules for the Spokane River focus on reducing stormwater pollution to protect fish, animals and human health.

These new rules focus "polychlorinated biphenyls," or PCBs: a group of man-made chemicals that can cause cancer. PCBs are slow to break down and go away. Even though the production of PCBs was banned in America more than 40 years ago, a small quantity of them still circulates in the environment.

They can be found in tiny amounts nearly everywhere, but when they get into an aquatic environment, they become more concentrated, in a process called "bio-magnification." As PCB-contaminated organisms are eaten by larger animals, the concentration increases. It is greatest in animals at the top of the food chain.

For example, an aquatic insect living in the gravel bed of the river will have some PCB stuck to it and inside it. A fish that eats many insects accumulates a large quantity of PCBs, because PCBs are mostly stored in fat tissue. When a bear or human eats several fish that have eaten many insects, the concentration of PCBs stored in their fat tissue gets even higher.

Some countries have not yet banned PCB production. This allows new releases of the chemical into the environment, where it enters the hydrologic cycle, and can travel thousands of miles in rivers, ocean currents, and the atmosphere. Rains or snow, runoff from our lawns, roofs and parking lots all enter the streets and gutters, and flow eventually to the river via the storm sewer system. Even

see POLLUTION, C3

POLLUTION

from C1

though freshly-fallen rain and snow might contain tiny quantities of PCBs and other contaminants, surface water runoff accumulates more contaminants as it travels across soils, parking lots and roadways.

PCBs have been found in transformers, motor oil, paint, caulk, dyes and newsprint. Oil spots in parking lots and roads get washed into the streets to combine with trash and debris as the runoff travels downhill to the nearest storm drain, and into the river.

To protect fish, animals and human health, everyone can help reduce PCB pollution in the Spokane River by keeping their cars well-maintained, and properly disposing of trash and debris.

Draining automotive fluids into the street, gutter, or storm drain is a bad idea. Doing so could contaminate the Spokane River in Idaho and Washington, and result in expensive cleanup efforts and legal consequences.

For more info about the Surface Water Management Program, visit www.postfallsidaho.org/ or 777-9857.

The Press
October 11, 2013
Page C1 and C3

CITY OF
POST FALLS

Public Services Department
Water Reclamation Division

September 2013

Dear Customer,

The following information is provided as part of the City's annual public information program regarding storm water pollution prevention. This is information only and you do not need to reply. You are receiving this letter because our records indicate you have or use property adjacent to the City's storm sewer system that sends stormwater to the Spokane River.

As stormwater flows over driveways, lawns and sidewalks, it picks up debris, chemicals, dirt and other pollutants. Stormwater can flow into a storm sewer system or directly to a lake, stream, river, wetland or coastal water. Anything that enters a storm sewer system is discharged untreated into the bodies of water we use for swimming, fishing and providing drinking water. Polluted runoff is the nation's greatest threat to clean water.

By practicing healthy household habits, homeowners can keep common pollutants like pesticides, pet waste, grass clippings and automotive fluids off the ground and out of stormwater.

Healthy Household Habits for Clean Water

Vehicle and Garage

- Use a commercial car wash or wash your car on a lawn or other unpaved surface to minimize the amount of dirty, soapy water flowing into the storm drain and eventually into local water sources.
- Check your car, boat, motorcycle and other machinery and equipment for leaks and spills. Make repairs as soon as possible. Clean up spilled fluids with an absorbent material like kitty litter or sand, which can then be disposed with the household trash. Don't rinse spills into the storm drains.
- Recycle used oil and other automotive fluids at participating service stations. Don't dump these chemicals down sewer or storm drains.

Lawn and Garden

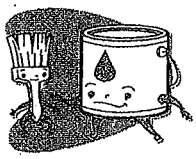
- Use pesticides and fertilizers sparingly and in the recommended amounts. Avoid application if the forecast calls for rain; otherwise, chemicals could be washed into local water sources.
- Select native plants and grasses that are drought and pest resistant. Native plants require less water, fertilizer and pesticides.
- Sweep up yard debris, rather than hosing down areas. Compost or recycle yard waste when possible.
- Don't overwater your lawn. Water during the cool times of the day, and don't let water runoff into the storm drain.
- Cover piles of dirt and mulch being used in landscaping projects to prevent these pollutants from blowing or washing off your yard and into local water sources. Plant vegetation in the bare spots in your yard to prevent soil erosion.

Home Repair and Improvement

- Before beginning an outdoor project, locate the nearest storm drains and protect them from debris and other materials.

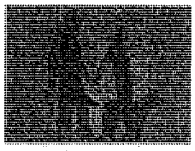
2002 West Seltice Way, Post Falls, ID 83854 • *tel* (208)773-1438 • *fax* (208)262-7349 • www.postfallsidaho.org

- Sweep up and properly dispose of construction debris such as concrete and mortar.
- Use hazardous substances like paints, solvents and cleaners in the smallest amounts possible, and follow the directions on the label. Clean up spills immediately, and dispose of the water safely. Store substances properly to avoid leaks and spills.
- Purchase and use nontoxic, biodegradable, recycled, and recyclable products whenever possible.
- Clean paint brushes in a sink, not outdoors. Filter and reuse paint thinner when using oil based paints.



Properly dispose of excess paints through a household hazardous waste collection program, or donate unused paint to local organizations.

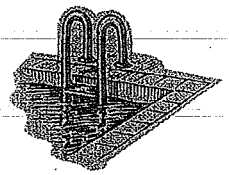
- Reduce the amount of paved area and increase the amount of vegetated area in your yard. Use native plants in your landscaping to reduce the need for watering during dry periods. Consider directing downspouts away from paved surfaces onto lawns and other measures to increase infiltration and reduce polluted runoff.
- Paints and household hazardous wastes may be disposed of at the Kootenai County Transfer Station located at 15580 W. Prairie Avenue, Post Falls, ID. Kootenai County Solid Waste Department may be contacted at 208-446-1430.



Pet Care

- When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local water bodies.

Swimming Pool and Spa



- Drain your swimming pool only when a test kit does not detect chlorine levels.
- If possible, pools should be drained to lawns and landscape areas at a slow rate to allow water to soak into the ground. Do not discharge to sewer.
- Properly store pool and spa chemicals to prevent leaks and spills, preferable in a covered area to avoid exposure to stormwater.

Storm drains connect to water bodies!

For more information visit www.epa.gov/npdes/stormwater or www.epa.gov/nps.

Thank you for your time to review the above information. If you would like to report a spill or obtain more information about the City of Post Falls surface water protection program, please contact the Water Reclamation Facility at 208-777-1438 or visit the City of Post Falls website at www.postfallsidaho.org.

CITY OF
POSTFALLS

Water Reclamation &
Surface Water Divisions

September 25, 2013

Affidavit of Mailing

The City's annual public information program document dated September 2013 was distributed to all businesses and residences that are adjacent to the MS4 in the following manner.

On September 25, 2013, 205 letters were sent by United States Postal Service to the owners of record and tenants of businesses and residences.

A paper copy of the map of the MS4 area and mailing list is available in the MS4 Surface Water file. An electronic copy of all information is also available.

Respectfully submitted:

Hazel M. Day
Administrative Assistant for
Public Services Department
Water Reclamation & Surface Water Divisions

C: Mike Neher, Environmental Manager
Don Ellis, Jr, WR Chief Operator
Adam Tate, Surface Water Technician

VERIFIED					205 LETTERS MAILED 9-25-13
X	101	E	4TH AVE		CITY OF POST FALLS
X	102	E	4TH AVE		PAUL SAND
X	103	E	4TH AVE		RIVERVIEW MEDICAL PLAZA
X	185	W	4TH AVE		RIVERVIEW MEDICAL PLAZA
X	302	W	4TH AVE		FALLS PARK APTS (CVE FALLS PARK LLC)
X	304	W	4TH AVE		FALLS PARK APTS
X	306	W	4TH AVE		FALLS PARK APTS
X	318	E	4TH AVE		MARK ESCHLIMAN
X	312	E	5TH AVE		HOME SWEET HOME LLC
X	316	E	5TH AVE		FIRST HOME PROPERTIES LLC
X	402	E	5TH AVE		CHARLES STREETER
X	416	E	5TH AVE		OVERHEAD DOOR
X	420	E	5TH AVE		OVERHEAD DOOR
X	506	E	5TH AVE		SHILOH MISSIONARY BAPTIST CHURCH INC
X	510	E	5TH AVE		BRUCE SHAW
X	518	E	5TH AVE		ANGELA QUINN
X	606	E	5TH AVE		IMMACULATE CONCEPTION CHURCH
X	614	E	5TH AVE		IMMACULATE CONCEPTION CHURCH
X	101	E	6TH AVE		DONNA RAE SWEENEY TRUST
X	109	E	6TH AVE		FRISLIE
X	201	E	6TH AVE		WILKINSON
X	207	E	6TH AVE		GERALD MITCHELL
X	211	E	6TH AVE		WILKINSON
X	307	E	6TH AVE		HAROLD JOHNSON
X	309	E	6TH AVE		JON WARDALL
X	311	E	6TH AVE		WATSON FAMILY TRUST
X	401	E	6TH AVE		J DICKINSON
X	405	E	6TH AVE		KRISANN FISH
X	409	E	6TH AVE		STEVE SLANEY
X	411	E	6TH AVE		STEVEN WAHL
X	505	E	6TH AVE		ELMER CURRIE
X	605	E	6TH AVE		KEVIN KIMPTON
X	607	E	6TH AVE		GEMS ENTERPRISES LLC
X	615	E	6TH AVE	A - C	INLAND NORTHWEST INVEST.
X	103	E	7TH AVE		BOURASSA 103, 105, 107
	104	E	7TH AVE		ELMER HINGSTON
X	107	E	7TH AVE		R BOURASSA
X	107	E	7TH AVE		BOURASSA 103, 105, 107
	108	E	7TH AVE	A -B	ELMER HINGSTON
X	109	W	7TH AVE		STACY ENGLISH
X	201	E	7TH AVE		HONG NEWMAN
X	201	W	7TH AVE		CHARLES LEMPESIS
?	202	W	7TH AVE		ST. VINCENT
X	204	W	7TH AVE		ST. VINCENT
X	310	E	7TH AVE		LARRY HENDRICKSON
X	311	E	7TH AVE		MARVIN PATZER

VERIFIED					205 LETTERS MAILED 9-25-13
X	104	W	9TH AVE		NAGLES SHARPLES LLC
X	102	W	11TH AVE	A-C	N CROW
X	103	E	11TH AVE		RONALD TIMMONS
?	104	E	11TH AVE		B DAVIS
X	104	W	11TH AVE		N CROW
X	101	E	12TH AVE	A-C	LISA M RUDE-MUEHLHAUSEN
X	104	E	13TH AVE		BETTY POTTER
	101	E	14TH AVE		KRYSTYNA WISNIEWSKI
X	102	W	14TH AVE	A-B	DOMINO INVESTMENTS LLC
X	102	W	15TH AVE		PATRICK & CATHERINE RETALLICK
X	103	W	15TH AVE	A-B	DAVID PALM
X	101	W	16TH AVE		PATRICK & CATHERINE RETALLICK
X	104	W	16TH AVE		SARA LEWIS
	810	N	CHASE		CORNERSTONE MGMT LLC
X	701	N	COMPTOM		TREATY ROCK HOUSE, ST VINCENT
X	703	N	COMPTON		ROY SCHONS
?	704	N	COMPTON		TREATY ROCK HOUSE, ST VINCENT
X	705	N	COMPTON		CITY OF POST FALLS
X	706	N	COMPTON		ST VINCENT DE PAUL
X	708	N	COMPTON		ST VINCENT DE PAUL
X	823	N	COMPTON		KRISTI WILLIAMS
X	826	N	COMPTON		DON EVANS
X	804	N	HENRY		BANK OF AMERICA
X	810	N	HENRY		TODD BRINKMEYER - PLUMMER FOREST
X	404	N	IDAHO		KOOTENAI COUNTY FIRE & RESCUE
X	485	N	LINCOLN		IMMACULATE CONCEPTION
X	495	N	LINCOLN		IMMACULATE CONCEPTION
X	802	N	LINCOLN		USA INVESTMENTS
X	804	N	LINCOLN	1,2,3	JULIE BOSSARD
X	101	W	MULLAN		TEICH PROPERTIES LLC
X	103	E	MULLAN		GARY L. WRIGHT LIVING TRUST
X	107	E	MULLAN		JAMES PARKER
X	110	E	MULLAN		CARREN GALE
X	111	W	MULLAN		JESSE FLAMAND
X	115	W	MULLAN		STEVE REILLY
X	119	W	MULLAN		STEVE REILLY
X	200	W	MULLAN		CITY OF POST FALLS
X	202	E	MULLAN	A - B	HOHBEIN LIVING TRUST
X	205	W	MULLAN		PF SCHOOL DISTRICT
X	206	W	MULLAN		PF SCHOOL DISTRICT
X	301	W	MULLAN		BLOSSOM MTN FARM LLC
X	306	W	MULLAN		JON HUBOF
X	307	W	MULLAN		GEMS ENTERPRISES LLC
X	310	W	MULLAN		MARK SALLADE
X	501	W	MULLAN		RIVER CITY APARTMENTS
X	503	W	MULLAN		RIVER CITY APARTMENTS

VERIFIED					205 LETTERS MAILED 9-25-13
X	507	W	MULLAN		RIVER CITY APARTMENTS
X	509	W	MULLAN		RIVER CITY APARTMENTS
X	606	W	MULLAN		COOPERATIVE SUPPLY
X	618	W	MULLAN		BILLY MAGGARO
X	706	W	MULLAN		INSTITUTIONAL PRODUCTS INC
X	710	W	MULLAN	A - C	IDAHO HOLDINGS
X	403	N	POST		JON D EDMONDS
X	420	N	POST		DANIEL MOORE
X	620	N	POST		SPUNDSTRAND
X	707	N	POST		KEITH ODENTHAL - DOUBLE DISCOUNT
X	101	E	SELTICE		KENNETH HOLEHOUSE
X	109	E	SELTICE		VIDEO THEATER - STEVEN TURCK
X	112	E	SELTICE	A - C	ERNEST ENG
X	202	E	SELTICE		STOVERN SUPPLY
X	203	E	SELTICE		HIGHSIDE HOLDINGS LLC
X	205	E	SELTICE	A - H	DAN KARABEDIAN
X	206	E	SELTICE		STOVERN SUPPLY
X	211	E	SELTICE		GRANNIS
X	212	E	SELTICE	A - B	BOB'S 21 CLUB - BOB & KEVA
X	302	E	SELTICE		LES SCHWAB
X	317	E	SELTICE	A - B	PF SELTICE WAY LLC
X	402	E	SELTICE		KEITH ODENTHAL - DOUBLE DISCOUNT
X	415	E	SELTICE		US BANK
X	501	E	SELTICE		JOHN YOUNG
X	502	E	SELTICE		JERRY GRAVES - HOFFMAN'S
X	503	E	SELTICE		JOHN YOUNG
X	504	E	SELTICE		BREHM TRUST
X	506	E	SELTICE		PHD INVESTMENTS
X	508	E	SELTICE		ELBERTA WALKER
X	512	E	SELTICE		ELBERTA WALKER - PARKING LOT
X	604	E	SELTICE		RAYMOND GUERRA
X	606	E	SELTICE		DANIEL TAYLOR
X	608	E	SELTICE	A - B	DANIEL TAYLOR
X	610	E	SELTICE		DANIEL TAYLOR
X	611	E	SELTICE		THE FALLS - MAYKEN
X	614	E	SELTICE	A - D	INLAND NW INVESTMENTS
X	615	E	SELTICE	A - D	INLAND NW INVESTMENTS
X	703	E	SELTICE		STATE BANK & TRUST - NAPA
X	706	E	SELTICE		WALGREENS
X	709	E	SELTICE		GLACIER BANK
X	302	W	SELTICE		PERFECTION INVESTMENTS
X	414	W	SELTICE		SELTICE INVESTMENTS
X	416	W	SELTICE		SELTICE INVESTMENTS
X	418	W	SELTICE		SELTICE INVESTMENTS
X	420	W	SELTICE		SELTICE INVESTMENTS
X	514	W	SELTICE		GRACE DELIGHT

VERIFIED					205 LETTERS MAILED 9-25-13
X	601	W	SELTICE		LARRY MINDT
X	609	W	SELTICE		LARRY MINDT
X	705	W	SELTICE		LARRY MINDT
X	713	W	SELTICE		CORNERSTONE MGMT LLC
X	714	W	SELTICE		GRACE DELIGHT
X	714	W	SELTICE		GRACE DELIGHT
X	801	W	SELTICE		D & R INVESTEMENT PROPERTIES LLC
X	104	W	SELTICE		ROB'S DRIVE-IN
X	105	W	SELTICE		RANVIR S NAGRA
X	106	W	SELTICE		ES ENTERPRISES
X	115	W	SELTICE		TD & B II LLC
X	120	W	SELTICE		TD & B II LLC
X	202	W	SELTICE		ST VINCENT DE PAUL
X	220	N	SPOKANE		LEOPARD LATTE, IGNACIO M VALDOVINOS
X	305	N	SPOKANE		THE POINT AT POST FALLS, LIBERTY BANKERS LIFE INS. CO.
X	306	N	SPOKANE		KILI INVESTMENTS
X	312	N	SPOKANE		KKB ENTERPRISES - HANDY MART
X	313	N	SPOKANE		CLIFFORD HELM
X	316	N	SPOKANE		BIG ROCK VALLEY
X	323	N	SPOKANE		CLIFFORD HELM
X	408	N	SPOKANE		CITY OF POST FALLS
X	606	N	SPOKANE	A-B	POST FALLS DRY CLEANERS - ELMER ROBERT HIN
X	615	N	SPOKANE		WATERHOUSE, HUNTER'S
X	620	N	SPOKANE		RACI ERDEM, OVAL OFFICE - ELMER ROBERT HIN
X	621	N	SPOKANE		TOWNE PLAZA LLC
X	701	N	SPOKANE		KERR
X	702	N	SPOKANE	A-B	STUTZKE
X	710	N	SPOKANE		HEDGE
X	712	N	SPOKANE		RACI ERDEM
?	808	N	SPOKANE		KENNETH HOLEHOUSE
X	810	N	SPOKANE		GABOURIE
X	812	N	SPOKANE		GABOURIE
X	820	N	SPOKANE		TEICH
X	821	N	SPOKANE		LIBRARY
X	822	N	SPOKANE		LILLIAN MOORE
X	830	N	SPOKANE	A-C	TLDC HOLDINGS
X	906	N	SPOKANE		BERNARD JOHNSON
X	917	N	SPOKANE		S&S HAUG LLC
X	920	N	SPOKANE		SPORTATO
X	1001	N	SPOKANE		SCOTT THOMAS
X	1002	N	SPOKANE		FAIRWAY FUND LLC
X	1003	N	SPOKANE	A-B	ANNETTE RYPIEN
X	1020	N	SPOKANE		SEAM M STEINER
X	1110	N	SPOKANE	A-B	WILKINSON
X	1115	N	SPOKANE		ALEXANDER

VERIFIED					205 LETTERS MAILED 9-25-13
X	1120	N	SPOKANE		MARY MORRIS
X	1121	N	SPOKANE		ALEXANDER
X	1206	N	SPOKANE		DOMINIQUE LESLIE
X	1215	N	SPOKANE		ALAN DUKE
X	1217	N	SPOKANE		JANA TRITTO
X	1301	N	SPOKANE		RICHARD SCHMITT
X	1302	N	SPOKANE		MICHAEL HART
X	1304	N	SPOKANE		TAYLOR FAMILY REVOCABLE TRUST
X	1317	N	SPOKANE		GARY WHITE
X	1320	N	SPOKANE		COUGAR CREEK PROPERTIES
X	1411	N	SPOKANE		DANNY TAPEC
X	1418	N	SPOKANE		GARY F MILLER
X	1506	N	SPOKANE		RENE M AWBREY
X	1608	N	SPOKANE		PF BAPTIST CHURCH
X	417	N	WILLIAM		COMMUNITY PRESBYTERIAN CHURCH
X	420	N	WILLIAM		COMMUNITY PRESBYTERIAN CHURCH
X	612	N	WILLIAM		GREG DEAN FEARS
X	702	N	WILLIAM		LES SCHWAB
X	708	N	WILLIAM		LES SCHWAB

GRACE DELIGHT
714, 514 W SELTICE WAY

SELTICE INVESTMENTS LLC
601 E FRONT AVE, STE 502
COEUR D'ALENE, ID 83814

SELTICE INVESTMENTS LLC
414, 416, 418, 420 WEST SELTICE WAY, POST FALLS

RL SL BRUCKER LLC
4104 N CLUBHOUSE DR
SOMIS, CA 93066-9708

RL SL BRUCKER LLC
703 N COMPTON

TREATY ROCK HOUSE
OLSON, JB
1825 E ROCKWOOD BLVD
SPOKANE, WA 99302

TREATY ROCK HOUSE
701 N COMPTON ST #1 – 15

ROY SCHONS
703 N COMPTON
PO BOX 356
POST FALLS, ID 83877

KRISTI WILLIAMS
823 N COMPTON ST
POST FALLS, ID 83854

DON EVANS
826 N COMPTON ST
POST FALLS, ID 83854

PERFECTION INVESTMENTS #3 LLC
3009 S MT VERNON ST
SPOKANE, WA 99223

PERFECTION INVESTMENTS
302 W SELTICE WAY
POST FALLS, ID

JESSE FLAMAND
13044 W RIVERVIEW DR
POST FALLS, ID 83854

JESSE FLAMAND
111 W MULLAN AVE

STEVE REILLY
PO BOX 505
POST FALLS, ID 83877

STEVE REILLY
115, 119 W MULLAN AVE

POST FALLS SCHOOL DISTRICT #273
PO BOX 40
POST FALLS, ID 83877

205, 206 W MULLAN AVE

BLOSSOM MOUNTAIN FARM LLC
3306 S GREENSFERRY RD
COEUR D'ALENE, ID 83814

BLOSSOM MTN FARM
301 W MULLAN AVE

306 W MULLAN AVE
JON M HUBOF
PO BOX 934
POST FALLS, ID 83877

MICHAEL T GOGGIN
607 E 6TH AVE
POST FALLS, ID 83854

MICHAEL T GOGGIN
307 W MULLAN AVE

MARK SALLADE
310 W MULLAN AVE
POST FALLS, ID 83854

RIVER CITY APARTMENTS LLC
528 S RAPIDS BEND LN
POST FALLS, ID 83854

RIVER CITY APARTMENTS LLC
501, 503, 507, 509 W MULLAN AVE

COOPERATIVE SUPPLY INC
606 W MULLAN AVE
POST FALLS, ID 83854

BILLY MAGGARD
618 W MULLAN AVE
POST FALLS, ID 83854

INSTITUTIONAL PRODUCTS CO INC
904 N CHASE RD
POST FALLS, ID 83854

INSTITUTIONAL PROD. CO INC
706 W MULLAN AVE

KENNETH WILKINSON
3680 W SELTICE WAY
POST FALLS, ID 83854

WILKINSON
1110 N SPOKANE ST, A & B

LATTE STAND
1115, 1121 N SPOKANE ST
207 S RIVERSIDE HARBOR DR
TOM ALEXANDER

TOM ALEXANDER
207 S RIVERSIDE HARBOR DR
POST FALLS, ID 83854

MARY MORRIS
1120 N SPOKANE ST
PO BOX 2199
POST FALLS, ID 83877

DOMINIQUE LESLIE
1770 W HAYDEN AVE
HAYDEN, ID 83835

DOMINIQUE LESLIE
1206 N SPOKANE ST.

ALAN DUKE
198 E BUCKLES RD
HAYDEN, ID 83835

ALAN DUKE
1215 N SPOKANE ST

JANA TRITTO
13195 N CHASE RD
RATHDRUM, ID 83858

JANA TRITTO
1217 N SPOKANE ST

RICHARD J SCHMITT
1301 N SPOKANE ST

RICHARD J SCHIMTT
28440 N PANHANDLE RD
ATHOL, ID 83801

MICHAEL HART
1302 N SPOKANE ST
PO BOX 3541
POST FALLS, ID 83877

KENNETH TAYLOR
1304 N SPOKANE ST

KENNETH TAYLOR
4510 DALTON DR
NAPA, CA 94558

GARY WHITE
1317 N SPOKANE ST
POST FALLS, ID 83854

COUGAR CREEK PROPERTIES
1320 N SPOKANE ST, PF

COUGAR CREEK PROPERTIES LLC
PO BOX 749
HAYDEN, ID 83835

DANNY TAPEC
1411 N SPOKANE ST
POST FALLS, ID 83854

GARY F MILLER
1418 N SPOKANE ST

GARY F MILLER
24629 N DOCKSIDE LN
RATHDRUM, ID 83858

RENE M AWBREY
1506 N SPOKANE ST
POST FALLS, ID 83854

POST FALLS BAPTIST CHURCH
1608 N SPOKANE ST
PO BOX 517
POST FALLS, ID 83877

D&R INVESTMENT PROP. LLC
801 W SELTICE WAY
POST FALLS, IDAHO 83854

CORNERSTONE MGMT
810 N CHASE RD
713 W SELTICE WAY

CORNERSTONE MGMT LLC
1464 S MILLSAP LOOP
POST FALLS, ID 83854

GRACE DELIGHT LLC
714 W SELTICE WAY
POST FALLS, ID 83854

LARRY MINDT
705 W SELTICE WAY
609 W SELTICE WAY
601 W SELTICE WAY

LARRY J MINDT
PO BOX 3000
HAYDEN, ID 83835

CITY OF POST FALLS
408 N SPOKANE ST
POST FALLS, ID 83854

ELMER ROBERT HINGSTON
LIVING TRUST
PO BOX 358
POST FALLS, ID 83877-0358

HINGSTON
606 N SPOKANE ST
620 N SPOKANE ST

615 SPOKANE STREET LLC
1000 NORTHWEST BLVD
COEUR D'ALENE, ID 83814

ELLEN WATERHOUSE
C/O SMOCK DONALD
1000 NORTHWEST BLVD
COEUR D'ALENE, ID 83814

621 N SPOKANE ST
WATERHOUSE

DELBERT KERR
650 W CLAYTON AVE
COEUR D'ALENE, ID 83815

701 N SPOKANE ST
KERR

DAVID STUTZKE
702 N SPOKANE ST
POST FALLS, ID 83854

EDWARD HEDGE
3425 N ANGIE CIR
COEUR D'ALENE, ID 83814

HEDGE
710 N SPOKANE ST

RACI ERDEM
712 N SPOKANE ST
POST FALLS, ID 83854

FRED GABOURIE
PO BOX 2529
POST FALLS, ID 83877

GABOURIE
810, 812 N SPOKANE ST.

TEICH PROPERTIES LLC
PO BOX 2917
POST FALLS, ID 83877

820 N SPOKANE ST

LIBRARY
821 N SPOKANE ST
POST FALLS, ID 83854

LIBRARY

LILLIAN MOORE
822 N SPOKANE ST
POST FALLS, ID 83854

TLDC HOLDING CO
830 N SPOKANE ST #1
POST FALLS, ID 83854

BERNARD A JOHNSON
906 N SPOKANE ST
PO BOX 1164
POST FALLS, ID 83877

S&S HAUG LLC
917 N SPOKANE ST
PO BOX 1373
POST FALLS, ID 83877

VINCE SPORTATO
6527 N 15TH ST
DALTON GARDENS, ID 83815

SPORTATO
920 N SPOKANE ST

SCOTT THOMAS
HOUSE OF INVESTMENTS
1001 N SPOKANE ST
PO BOX 992
POST FALLS, ID 83877

SAL MERCURIO
1002 N SPOKANE ST
PO BOX 1790
POST FALLS, ID 83877

ANNETTE RYPIEN
PO BOX 840
NEWMAN LAKE, WA 99025

RYPIEN
1003 N SPOKANE ST, PF

BERNICE I DAVIS
C/O MARTIN DAVIS
3951 N NICKLAUS DR
COEUR D'ALENE, ID 83815

B DAVIS
1020 N SPOKANE ST
104 E 11TH AVE

PHD INVESTMENTS LLC
506 E SELTICE WAY, PF

PHD INVESTMENTS LLC
7711 LONG DR
BOISE, ID 83704

JACOBS & GRAFE
ENTERPRISES INC C-B
508-B E SELTICE WAY
POST FALLS, ID 83854

JACOBS & GRAFE ENT. INC
508 & 512 E SELTICE WAY, PF

RAYMOND GUERRA
5305 N MILLVIEW DR
SPOKANE, WA 99212

RAYMOND GUERRA
601 E SELTICE WAY, PF, ID

MAYKEN INVESTMENTS LLC
621 W MALLON STE 507
SPOKANE, WA 99201

MAYKEN INVESTMENTS LLC
611 E SELTICE WAY

DANIEL TAYLOR
EAST SELTICE
606
608 – A, B
610 – 1, 2

DANIEL TAYLOR
PO BOX 171
SANDPOINT, ID 83864

INLAND NW INVESTMENTS
LLC
614 E SELTICE WAY STE A
POST FALLS, IDAHO 83854

INLAND NW INV.
614 E SELTICE WAY, 615 E 6TH
AVE

LABELLE POST FALLS LLC
WALGREEN CO
PO BOX 901
DEERFIELD, ID 60015

LABELLE POST FALLS LLC
706 E SELTICE WAY,
POST FALLS, ID 83854

STATE STREET BANK & TRUST
C/O GENUINE PARTS CO.
2999 CIRCLE 75 PKWY
ATLANTA, GA 30339

703 E SELTICE WAY
STATE STREET BANK & TRUST

MOUNTAIN WEST SAVINGS
BANK FSB
PO BOX 1059
COEUR D'ALENE, ID 83816

MOUNTAIN WEST SAVINGS
BANK
709 E SELTICE WAY, PF

ROBERT TEMPLIN
414 E 1ST ST
POST FALLS, ID 83854

TEMPLIN – LEOPARD LATTE
220 N SPOKANE ST, PF

THE POINT AT POST FALLS LLC
C/O HARRY A GREEN & ASSOC
LLC
918 S LINCOLN ST
SPOKANE, WA 99204

THE POINT
305 N SPOKANE ST

KILI INVESTMENTS LLC
2210 KIGALI PL
DULLES, VA 20189

KILI INVESTMENTS LLC
306 N SPOKANE ST

KKB ENTERPRISES INC
15417 BULL LAKE RD
TROY, MT 59935

KKB ENTERPRISES
HANDY MART
312 N SPOKANE ST

C & S AIRPARK ASSOCIATES
LLC
29301 N CEDAR RD
DEER PARK, WA 99006

C & S AIRPARK ASSOC.
313 N SPOKANE ST
323 N SPOKANE ST

BIG ROCK VALLEY LLC
4217 E PINEVILLA DR
POST FALLS, ID 83854

BIG ROCK VALLEY
316 N SPOKANE ST

David Palm
2501 W Ashland Ln
Hayden, ID 83835

DAVID PALM
103 W 15TH ST – APT A & B
POST FALLS, IDAHO 83854

Teich Properties LLC
101 W Mullan Ave
PO Box 2917
Post Falls, ID 83877

Kenneth Holehouse
12148 N Emerald Drive
Hayden, ID 83835

Kenneth Holehouse
101 E Seltice Way
808 N SPOKANE ST

Steven Turk
598 S Clancy Dr
Post Falls, ID 83854

Stovern Supply Co
824 Bank
Wallace, ID 83873

Ernest Eng
13226 119th PL NE
Kirkland, WA 98034

E Eng
112 E Seltice Way, PF

Highside Holdings LLC
3145 E Hudlow Rd
Hayden, ID 83835

Highside Holdings LLC
203 & 205 E Seltice Way PF

Stovern Supply
202, 206 E Seltice Way

Raymond W Grannis & Eleanor Lee
Grannis Revocable Trust
1932 N Government Way
Coeur d'Alene, ID 83814

Grannis
211 E Seltice Way, PF

Bob and Keva LLC
1599 N McGuire Rd
Post Falls, ID 83854

Bob & Keva LLC
212 E Seltice Way A & B

Post Falls Seltice Way LLC
317 E Seltice Way A & B

Post Falls Seltice Way LLC
c/o Black Realty Mgmt
107 S Howard #6000
Spokane, WA 99201-3818

Les Schwab Tire Centers of ID
PO Box 5350
Bend, OF 97708-5350

Les Schwab Tire Centers of ID
302 E Seltice Way, Post Falls, ID
702, 708 N William St.

Keith Odenthal
402 E Seltice Way, PF

Keith Odenthal
418 E Garden Ave
Coeur d'Alene, ID 83814

US Bank Corporate Properties
415 E Seltice Way, Post Falls, ID

US Bank Corporate Properties
2800 East Lake Street Lake 0012
Minneapolis, MN 55406

John C Young Family LLC
501, 503 E Seltice Way
Post Falls, ID 83854

JOHN C YOUNG FAMILY LLC
1211 E COLUMBIA AVE
SPOKANE, WA 99208-3538

JERRY GRAVES
502 E SELTICE WAY

JERRY GRAVES
11492 N CLIFF HOUSE RD
HAUSER, IDAHO 83854

BREHM TRUST
504 E SELTICE WAY, PF

BREHM TRUST
2340 E HONEYSUCKLE
HAYDEN, ID 83835

City of Post Falls
408 N Spokane Street
Post Falls, Idaho 83854

Mark Eschliman
318 E 4th Ave
Post Falls, Idaho 83854

Riverview Medical Plaza LLC
185 W 4th Ave.
Post Falls, Idaho 83854

CVE Falls Park LLC
160 N Fairview Ave #4
Goleta, CA 93117

302, 304, 306 W 4th Ave
Falls Park Apts
CVE Falls Park LLC

Washington Water Power Co
PO Box 3727
Spokane, WA 99220

WWP – 305 W 14th Ave

Nagle Sharples LLC
104 W 9th Ave
Post Falls, Idaho 83854

N Crow
290 Terrace Dr
Cocolalla, ID 83813

N Crow – Address located at
102, 104 W 11th Ave,
Post Falls

Heartwood Family Dental
102 W 11th Ave, Ste C
Post Falls, ID 83854

James E Vancho
102 W 11th Ave Ste B
Post Falls, ID 83854

Joseph L Paventy DMD
102 W 11th Ave
Post Falls, ID 83854

Ronald Timmons
PO Box 146
Post Falls, ID 83877

Ronald Timmons – address located
at
103 E 11th Ave
Post Falls, Id

Here We Grow Learning &
Childcare Center
103 W 11th Ave
Post Falls, Idaho 83854

Sara Lewis
104 W 16th Ave
Post Falls, ID 83854

Lisa M Rude-Muehlhausen
PO Box 3214
Hayden, ID 83835

101 E 12th Ave, A-D
Lisa M Rude-Muehlhausen

Betty Potter
104 E 13th Ave
Post Falls, ID 83854

Jared J Burns
Krystyna Wisniewski
101 E 14th Ave
Post Falls, ID 83854

Jared J Burns
PO Box 33
Rathdrum, ID 83858

Burns for address located
At 101 E 14th Ave
Post Falls, Idaho

RETALLICK, PATRICK &
CATHERINE LIVING TRUST
102 W 15TH ST, 101 W 16TH AVE
POST FALLS, IDAHO 83854

PATRICK & CATHERINE
RETALLICK LIVING TRUST
405 W VISTA DR
COEUR D'ALENE, ID 83815

Kirby in Post Falls
808 N Spokane Street
Post Falls, ID 83854

Domino Investments LLC
2302 E Thomas Hill Dr
Coeur d'Alene, ID 83815

Domino (A,B)
102 W 14th Ave

IDAHO HOLDINGS LLC
4343 E CAMELBACK RD STE 400
PHOENIX, AZ 85018

710 W MULLAN AVE

GARY WRIGHT
103 E MULLAN AVE
POST FALLS, ID 83854

JAMES PARKER
107 E MULLAN AVE
POST FALLS, IDAHO 83854

CARREN L GALE
1207 E SINGING HILLS DR
POST FALLS, ID 83854

110 E MULLAN AVE

ST VINCENT DE PAUL
201 E HARRISON AVE
COEUR D'ALENE, ID 83814

706, 708 N COMPTON
202 W SELTICE WAY
204 W 7TH AVE
ST. VINCENT DE PAUL

TD & B II LLC
3927 E TRENT
SPOKANE, WA 99202

TD & B
115 W SELTICE WAY
120 W SELTICE WAY

ES ENTERPRISES LLC
106 W SELTICE WAY
POST FALLS, ID 83854

RANVIR S NAGRA
14204 E 30TH CT
SPOKANE VALLEY, WA 99037

RANVIR S NAGRA
105 W SELTICE WAY

104 W SELTICE WAY
BOB'S DRIVE-IN
C/O BOB SIMON
PO BOX 93
POST FALLS, ID 83877

HOHBEIN LIVING TRUST
1579 E DALTON AVE
DALTON GARDENS, ID 83815

HOHBEIN LIVING TRUST
202 E MULLAN AVE, PF

RICHARD BOURASSA
PO BOX 1154
MC MINNVILLE, OR 97128

R BOURASSA
107 E 7TH AVE

HONG NEWMAN
4225 HOLMES RD
COEUR D'ALENE, ID 83815

H NEWMAN
201 E 7TH AVE, PF

311 E 7TH AVE
MARVIN PATZER
BOX 632
POST FALLS, ID 83877

LARRY HENDRICKSON
310 E 7TH AVE
POST FALLS, ID 83854

JULIE K BOSSARD
6521 N GOSHAWK LN
COEUR D'ALENE, ID 83815

J BOSSARD
804 N LINCOLN ST

USA INVESTMENTS LLC
802 N LINCOLN ST
POST FALLS ID 83854

KEITH ODENTHAL
C/O H D DOUGLAS
815 E ROSEWOOD
SPOKANE, WA 99208

K ODENTHAL
707 N POST ST

SPUNSTRAND INC
PO BOX 1147
WALLACE, ID 83873

SPUNSTRAND
620 N POST ST

DANIEL L MOORE
6531 TANNENBAUM CIR
BONNERS FERRY, ID 83805

JON D EDMONDS
5375 S MILLER RD
COEUR D'ALENE, ID 83814

403 N POST ST
JON D EDMONDS

IMMACULATE CONCEPTION
CHAPEL OF THE SOCIETY OF ST
PIUS X INC
PO BOX 206
POST FALLS, ID 83877

IMMACULATE CONCEPTION
CHAPEL
485, 495 N LINCOLN ST

TODD BRINKMEYER
C/O PLUMMER FOREST
PO BOX 788
POST FALLS, ID 83877

PLUMMER FOREST
810 N HENRY ST

BANK OF AMERICA
101 N TRYON ST
CHARLOTTE, NC 28255

BANK OF AMERICA
804 N HENRY ST, PF

GREG DEAN FEARS
612 N WILLIAM ST UNIT B
POST FALLS, ID 83854

COMMUNITY PRESBYTERIAN
CHURCH OF POST FALLS INC
417 N WILLIAM ST
POST FALLS, ID 83854

COMMUNITY PRESBYTERIAN
CHURCH
417 N WILLIAM ST
420 N WILLIAM ST

LESTER E AND VALERIE L
WATSON FAMILY TRUST
PO BOX 3521
POST FALLS, ID 83877

WATSON FAMILY TRUST
311 E 6TH AVE

JAMES DICKINSON
1372 W LARAMIE AVE
RATHDRUM, ID 83858

DICKINSON
401 E 6TH AVE

STACY ENGLISH
109 SW 7TH AVE
POST FALLS, IDAHO 83854

CHARLES LEMPESIS
1950 W BELLERIVE LN #110
COEUR D'ALENE, ID 83814

LEMPESIS
201 W 7TH AVE

DONNA RAE SWEENEY
INTERVIVOS TRUST
C/O RICKIE EUGENE SWEENEY
872 BUSSORA RUSE DR
HENDERSON, NV 89015

SWEENEY
101 E 6TH AVE PF

GREGORY FRISLIE
6308 S SADDLE RIDGE RD
GREENACRES, WA 99016

FRISLIE
109 3 6TH AVE

KENNETH WILKINSON
3680 W SELTICE WAY
POST FALLS, IDAHO 83854

WILKINSON
201 E 6TH AVE
211 E 6TH AVE

GERALD E MITCHELL
207 E 6TH AVE
POST FALLS, ID 83854

HAROLD JOHNSON
307 E 6TH AVE
POST FALLS, ID 83854

JON WARDALL
314 E 23RD AVE
POST FALLS, IDAHO 83854

KRISANN FISH
405 E 6TH AVE
POST FALLS, IDAHO 83854

STEVEN SLANEY
409 E 6TH AVE
POST FALLS, ID 83854

WARDELL
309 E 6TH AVE

STEVEN WAHL
411 E 6TH AVE
POST FALLS, ID 83854

ELMER CURRIE
2062 E BEST AVE
COEUR D'ALENE, ID 83814

CURRIE
505 E 6TH AVE

KEVIN KIMPTON
605 E 6TH AVE
POST FALLS, ID 83854

MARY GOGGIN
697 S WINDSWEPT TR
POST FALLS, ID 83854

GOGGIN
607 E 6TH AVE

NATHON A BAUGHMAN
312 E 5TH AVE
PO BOX 3554
POST FALLS, ID 83877

FIRST HOME PROPERTIES LLC
316 E 5TH AVE
POST FALLS, ID 83854

CHARLES STREETER
1710 N CATHERINE ST
POST FALLS, ID 83854

STREETER
402 E 5TH AVE

OVERHEAD DOOR INC
621 ALLUMBAUGH
BOISE, ID 83704

OVERHEAD DOOR
420, 410 E 5TH AVE

DENNIS HAYS
5223 E SHORE COVE
POST FALLS, IDAHO 83854

HAYS
506 E 5TH AVE

BRUCE SHAW
PO BOX 36
MILACA, MN 56353

SHAW
510 E 5TH AVE

ANGELA QUINN
725 S GREENSFERRY RD
POST FALLS, IDAHO 83854

QUINN
518 E 5TH AVE

404 N IDAHO ST
KOOTENAI COUNTY FIRE &
RESCUE
PO BOX 2000
POST FALLS, IDAHO 83877

PAUL SAND
102 E 4TH AVE
POST FALLS, IDAHO 83854

Post Falls Historical Society
101 E 4th Ave.
PO Box 57
Post Falls, ID 83877

Heartwood Family Dental
102 W 11th Ave, Ste C
Post Falls, ID 83854

Ronald Mendenall, DDS
101 W Mullan Ave
Post Falls, ID 83854

Quik Cash
101 E Seltice Way
Post Falls, ID 83854

Enoteca LLC
312 E 2nd Ave.
Post Falls, ID 83854

All About You
205 E Seltice Way, Ste C
Post Falls, ID 83854

River City Cellular
205 E Seltice Way, Ste D
Post Falls, Idaho 83854

Happy Dance
205 E Seltice Way, Unit G

Fastenal Co.
PO Box 1206
Winona, MN 55987

Auto Zone
317 E Seltice Way
Post Falls, ID

Post Falls French Cleaners
102 E 4th Ave
Post Falls, ID 83854

Here We Grow Learning Center
Hollie Lassitor
103 W 11th Ave
Post Falls, ID 83854

Boys and Girls Club of Kootenai County – 200 W Mullan Ave
PO Box 3598
Post Falls, ID 83877

Dominos Pizza
307 Knotty Pine Lane
Coeur d'Alene, Idaho 83815

Enoteca LLC
112 E Seltice Way
Post Falls, ID

Corner Café
5995 E Lacewood Lane
Post Falls, Idaho 83854

Holy Roller Tattoo
205 E Seltice Way, Ste E
Post Falls, ID 83854

HAPPY DANCE
409 S PONDEROSA LP
POST FALLS, ID 83854

Fastenal Co.
317 E Seltice Way
Post Falls, ID

Goodwill Industries - Inland NW
130 E 3rd Ave.
Spokane, WA 99202

Dr. James Vancho
102 W 11th, Ste B
Post Falls, ID 83854

Dougherty & Associates
802 N Lincoln
Post Falls, ID 83854

Quik Cash
9401 Indian Creek Pkwy Ste 15
Overland Park, KS 66210

Dominos Pizza
112 E Seltice Way
Post Falls, ID

Allstar Guitars
205 E Seltice Way, Ste A
Post Falls, ID 83854

Corner Café
203 E Seltice Way

Lil Bee's Thrift Store n More
205 E Seltice Way, Ste G
Post Falls, ID 83854

IDAHO YOUTH RANCH
317 E SELTICE WAY, STE B
POST FALLS, ID 83854

Auto Zone
PO Box 2198
Memphis, TN 38103

Goodwil Industries
317 E Seltice Way
Post Falls

Emerald Counseling
601 E Seltice Way
PO Box 3558
Post Falls, ID 83877

Dr. Toby Ficklin
610 E Seltice Way, Ste 110
Post Falls, Idaho 83854

Seltice Subway
105 W Seltice Way

Auto Credit
120 W Seltice Way
Post Falls, ID

Frontline Fitness
414 W Seltice Way
Post Falls, Id 83854

Edwards Jewelry and Loan
17224 N Smith Ave
Hauser, ID 83854

My Favorite Things
503 E Seltice Way

Leopard Latte
Ignacio M Valdovinos
721 E 19th Avenue
Post Falls, ID 83854

St Joseph's Clinic
323 N Spokane St Ste 100
Post Falls, ID 83854

Chiropractic Health
606 N Spokane St, Unit C
Post Falls, ID 83854

Aaging Better In-Home Care
601 E Seltice Way, Ste. 101
Post Falls, ID 83854

Glacier Bank – Mtn West Bank
709 E Seltice Way
PO Box 1059
Post Falls, ID 83877

115 W Seltice Way
KC's Breakfast Club
5000 Frazier Dr
Post Falls, ID 83854

St. Vincent Book & More Store
201 E Harrison
Coeur d'Alene, ID 83814

Club Tequila
604 E Seltice Way
Post Falls, Idaho 83854

Edwards Jewelry
502 E Seltice Way

Java The Hut
501 E Seltice Way
PO Box 1534
Post Falls, ID 83854

Leopard Latte
220 N Spokane St

Pro Ag Management
323 N Spokane St, Ste 200
Post Falls, ID 83854

GW Hunters
1420 N Fairmont Lp
Coeur d'Alene, ID 83814

Big Mountain Accounting & Taxes
601 E Seltice Way, Ste 208
Post Falls, ID 83854

Seltice Subway
PO Box 30088
Spokane, WA 99223

Auto Credit
PO Box 11843
Spokane, WA 99211

St Vincent
202 W Seltice Way
Post Falls

Club Tequila
402 E Seltice Way

My Favorite Things
PO Box 1701
Post Falls, Id 83877

Ricardo's Baja Tacos
504 E Seltice Way
Post Falls, ID 83854

Spokane Family Dental
313 N Spokane St.
Post Falls, ID 83854

Post Falls Dry Cleaners
606 N Spokane St
Post Falls, ID 83854

GW Hunters
615 N Spokane Street

Whitehouse & Oval Office
Raci Erdem
712 N Spokane Street
Post Falls, ID 83854

Whitehouse & Oval Office
620 & 712 N Spokane St

Post Falls Coffee Company
621 N Spokane St
Post Falls, ID 83854

Kirby of Post Falls
808 N Spokane Street
Post Falls, Idaho 83854

Flyn' Fur Mobile Grooming
1041 W Mill Ave
Coeur d' Alene, ID 83814

Flyn' Fur Mobile Grooming
830 N Spokane St ste 4

Stacie's Cakes
1155 W Deschutes Ave
Post Falls, ID 83854

Stacie's Cakes
830 N Spokane St, Ste 5

Pit Stop
830 N Spokane St
Post Falls, ID 83854

920 N Spokane St.
Tracy Ridgeway, DVM
PO Box 3585
Post Falls, ID 83877

K-9 Cottage
Patricia Todd
4725 N Troy Street
Coeur d'Alene, ID 83815

K-9 Cottage
1206 N Spokane St

Accurate Testing Labs, LLC
7950 Meadowlark Way
Coeur d'Alene, ID 83815
Phone (208) 762 8378 Fax (208) 762 9082
www.accuratetesting.com
info@accuratetesting.com

Certificate of Analysis

Order No.: **2013090088**

City of Post Falls Treatment
2002 W. Seltice Way
Post Falls , ID 83854

Project: Storm Water Monitoring

Date Received: 09/05/2013 08:05

Sample: 1
Location: Centennial Trail Outfall
Sample Type: Grabs

Matrix: Non-Potable Water
D/T Collected: 09/04/2013 11:05
Collected by: Adam Tate

Analyte	Result	Unit	Method	PQL	Test Date	Analyst
Aroclor (PCB, total)	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1016	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1221	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1232	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1242	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1248	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1254	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1260	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Cadmium	0.514	ug/L	SM 3120	0.003	09/12/13	WM
Calcium	13.5	mg/L	EPA 200.7	0.17	09/06/13	WM
Hardness, Total (as CaCO3)	70.7	mg/L	SM 2340	0.2	09/06/13	WM
Lead	22.7	ug/L	SM 3120	0.03	09/12/13	WM
Magnesium	9.01	mg/L	EPA 200.7	0.03	09/06/13	WM
Nitrate-N	0.69	mg/L	SM 4110B	0.5	09/06/13	WM
Nitrite-N	ND	mg/L	SM 4110B	0.5	09/06/13	WM
Phosphorus, Total	0.516	mg/L	EPA 365.1	0.010	09/06/13	WM
Total Kjeldahl Nitrogen (N)	1.86	mg/L	SM 4500N D	0.06	09/10/13	AC
Total Nitrogen (N)	2.55	mg/L	SM 4500N	0.04	09/10/13	WM
Total Suspended Solids	353	mg/L	SM 2540	1	09/06/13	AH
Zinc	491	ug/L	SM 3120	0.03	09/12/13	WM

Comments:

Walter Mueller

Laboratory Supervisor, Walter Mueller Date: 09/19/13

ND: Not Detected PQL: Practical Quantitation Limit

Accurate Testing Labs, LLC
7950 Meadowlark Way
Coeur d'Alene, ID 83815
Phone (208) 762 8378 Fax (208) 762 9082
www.accuratetesting.com
info@accuratetesting.com

Certificate of Analysis

Order No.: **2013090088**

Sample:	**2**	Matrix:	Non-Potable Water
Location:	Fourth Avenue Outfall	D/T Collected:	09/04/2013 11:12
Sample Type:	Grabs	Collected by:	Adam Tate

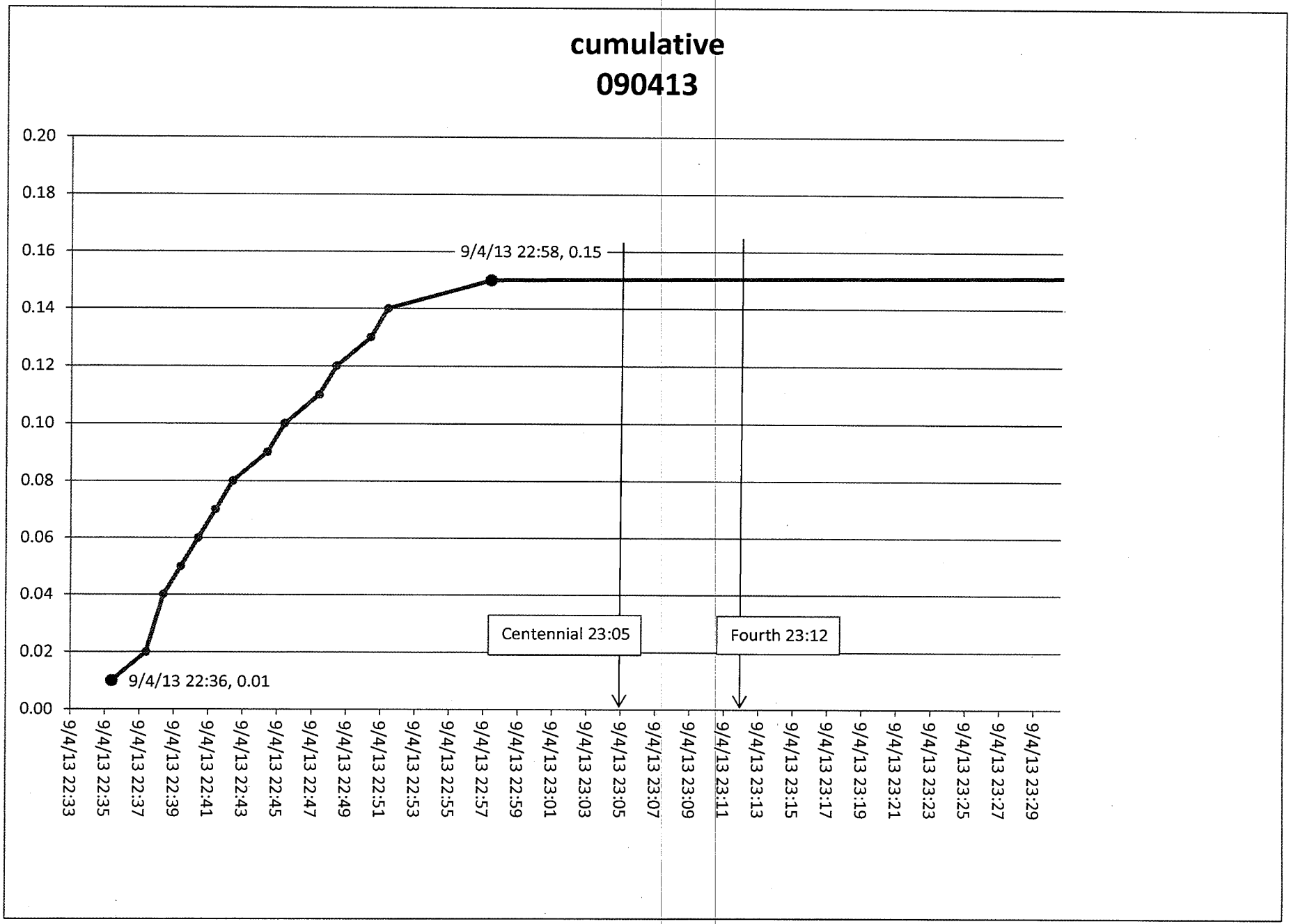
Analyte	Result	Unit	Method	PQL	Test Date	Analyst
Aroclor (PCB, total)	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1016	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1221	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1232	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1242	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1248	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1254	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Aroclor 1260	ND	ug/L	EPA 8082	0.2	09/17/13	ANA
Cadmium	0.189	ug/L	SM 3120	0.003	09/12/13	WM
Calcium	6.32	mg/L	EPA 200.7	0.17	09/06/13	WM
Hardness, Total (as CaCO3)	23.9	mg/L	SM 2340	0.2	09/06/13	WM
Lead	9.03	ug/L	SM 3120	0.03	09/12/13	WM
Magnesium	1.96	mg/L	EPA 200.7	0.03	09/06/13	WM
Nitrate-N	0.58	mg/L	SM 4110B	0.5	09/06/13	WM
Nitrite-N	ND	mg/L	SM 4110B	0.5	09/06/13	WM
Phosphorus, Total	0.178	mg/L	EPA 365.1	0.010	09/06/13	WM
Total Kjeldahl Nitrogen (N)	1.37	mg/L	SM 4500N D	0.06	09/10/13	AC
Total Nitrogen (N)	1.95	mg/L	SM 4500N	0.04	09/10/13	WM
Total Suspended Solids	100	mg/L	SM 2540	1	09/06/13	AH
Zinc	120	ug/L	SM 3120	0.03	09/12/13	WM

Comments:

Walter Mueller

Laboratory Supervisor, Walter Mueller Date: 09/19/13

ND: Not Detected PQL: Practical Quantitation Limit


cumulative
090413
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
9/4/13 22:58, 0.15
9/4/13 22:36, 0.01
Centennial 23:05
Fourth 23:12
9/4/13 22:33
9/4/13 22:35
9/4/13 22:37
9/4/13 22:39
9/4/13 22:41
9/4/13 22:43
9/4/13 22:45
9/4/13 22:47
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9/4/13 23:09
9/4/13 23:11
9/4/13 23:13
9/4/13 23:15
9/4/13 23:17
9/4/13 23:19
9/4/13 23:21
9/4/13 23:23
9/4/13 23:25
9/4/13 23:27
9/4/13 23:29

CITY OF POST FALLS STORM WATER PROGRAM
MS4 PERMIT #IDS-028231
FIELD SAMPLE LOG

SAMPLE DATE: 9/4/13

SAMPLER: (*Signature*) [signature]

SAMPLE COLLECTION INFORMATION:

	CENTENNIAL TRAIL	FOURTH AVENUE
Type of Sample	Grab	Grab
Time of Sample Collection (hhmm)	11:05 PM	11:12 PM
Preservative Added (Yes/No)	Yes	Yes
Samples Transported on Ice (Yes/No)	Yes	Yes
Water Temp. (°F)	70°	71°
Depth of Flow (inches)	3.5"	3.0"
Appearance of Flow (color, oil, odor, trash, turbid, sediment, etc.)	light Brown	mostly clear
Other Remarks		

Instructions to Laboratory

Parameters to be tested for these samples are:

PARAMETER	PQL	METHOD
Total Suspended Solids	1 mg/L	SM2540D
Total Phosphorus	0.06 mg/L	EPA 365.3
Total Lead	0.02 mg/L	SM3210
Total Nitrogen	0.05 mg/L	SM4500/4110
Total Zinc	0.013 mg/L	SM3210
Hardness	0.2 mg/L	SM2340B
Total Polychlorinated Biphenyls	0.1 mg/L	SM8082

Chain of Custody

Accurate Testing Labs

7950 Meadowlark Way / Coeur d'Alene 83815 / Phone: (208) 762-8378 / Fax: (208) 762-9082
E-mail: Mueller@accuratetesting.com / Internet: http://www.accurate testing.com

Results & Invoice to:

Name: City of Post Falls – WWTP – Storm Water
Address: 2002 W. Seltice Way
Post Falls, ID 83854
Phone: (208) 773- 1438 Fax: (208) 773-0311

E-mail: dickf@postfallsidaho.org

Reporting Requirements:

Preliminary: FAX ☐ Verbal ☐ by: ___/___/___
Final Report: FAX ☐ Verbal ☐ by: ___/___/___
Rushes: 48 hrs.☐ Other:☐

Project Information:

Project Name: Storm Water Monitoring
Project Number: _____
Credit Card: ☐ Visa ☐ MC #_____

Name of Sampler: Adam Tate

Lab #	Sample ID	Date	Time	Matrix	NO. of containers	Total Suspended Solids	Total Phosphorus	Total Lead	Total Nitrogen	Total Zinc	Hardness	Total Polychlorinated Biphenyls	Cadmium		Remarks/Sample Conditions
	Centennial Trail Outfall	9/4/13	11:05 Am	water	4	x	x	x	x	x	x	x	x		Cadmium – .003 µg/L
	Fourth Avenue Outfall	9/4/13	11:12 Am	water	4	x	x	x	x	x	x	x	x		

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/5/13	8:05 Am	[signature]	9-5-13	8:05

Chain of Custody Seals
☒ Yes ☐ No ☐ N/A
☐ UPS ☐ FedEx
☐ Bus ☒ Hand

Accurate Testing Labs, LLC
7950 Meadowlark Way
Coeur d'Alene, ID 83815
Phone (208) 762 8378 Fax (208) 762 9082
www.accuratetesting.com
info@accuratetesting.com

Certificate of Analysis

Order No.: **2013070114**

City of Post Falls Treatment
2002 W. Seltice Way
Post Falls , ID 83854

Project: Storm Water Monitoring

Date Received: 07/08/2013 16:05

Sample: **1**
Location: Centennial Trail Outfall
Sample Type: Grabs

Matrix: Non-Potable Water
D/T Collected: 07/08/2013 14:45
Collected by: Adam Tate

Analyte	Result	Unit	Method	PQL	Test Date	Analyst
Aroclor 1016	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Aroclor 1221	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Aroclor 1232	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Aroclor 1242	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Aroclor 1248	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Aroclor 1254	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Aroclor 1260	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Cadmium	1.81	ug/L	SM 3120	0.003	07/16/13	WM
Calcium	23.4	mg/L	EPA 200.7	0.17	07/11/13	WM
Hardness, Total (as CaCO3)	122	mg/L	SM 2340	0.2	07/11/13	WM
Lead	70.2	ug/L	SM 3120	0.03	07/16/13	WM
Magnesium	15.3	mg/L	EPA 200.7	0.03	07/11/13	WM
Nitrate-N	ND	mg/L	SM 4110B	0.5	07/09/13	WM
Nitrite-N	ND	mg/L	SM 4110B	0.5	07/09/13	WM
PCB (total)	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Phosphorus, Total	1.58	mg/L	EPA 365.1	0.010	07/12/13	WM
Total Kjeldahl Nitrogen (N)	5.92	mg/L	SM 4500N D	0.06	07/16/13	AC
Total Nitrogen (N)	5.92	mg/L	SM 4500N	0.04	07/16/13	WM
Total Suspended Solids	840	mg/L	SM 2540	1	07/11/13	AH
Zinc	2198	ug/L	SM 3120	0.03	07/16/13	WM

Comments:

Walter Mueller

Laboratory Supervisor, Walter Mueller Date: 07/17/13

ND: Not Detected PQL: Practical Quantitation Limit

Accurate Testing Labs, LLC
7950 Meadowlark Way
Coeur d'Alene, ID 83815
Phone (208) 762 8378 Fax (208) 762 9082
www.accuratetesting.com
info@accuratetesting.com

Certificate of Analysis

Order No.: **2013070114**

Sample:	**2**	Matrix:	Non-Potable Water
Location:	Fourth Avenue Outfall	D/T Collected:	07/08/2013 15:00
Sample Type:	Grabs	Collected by:	Adam Tate

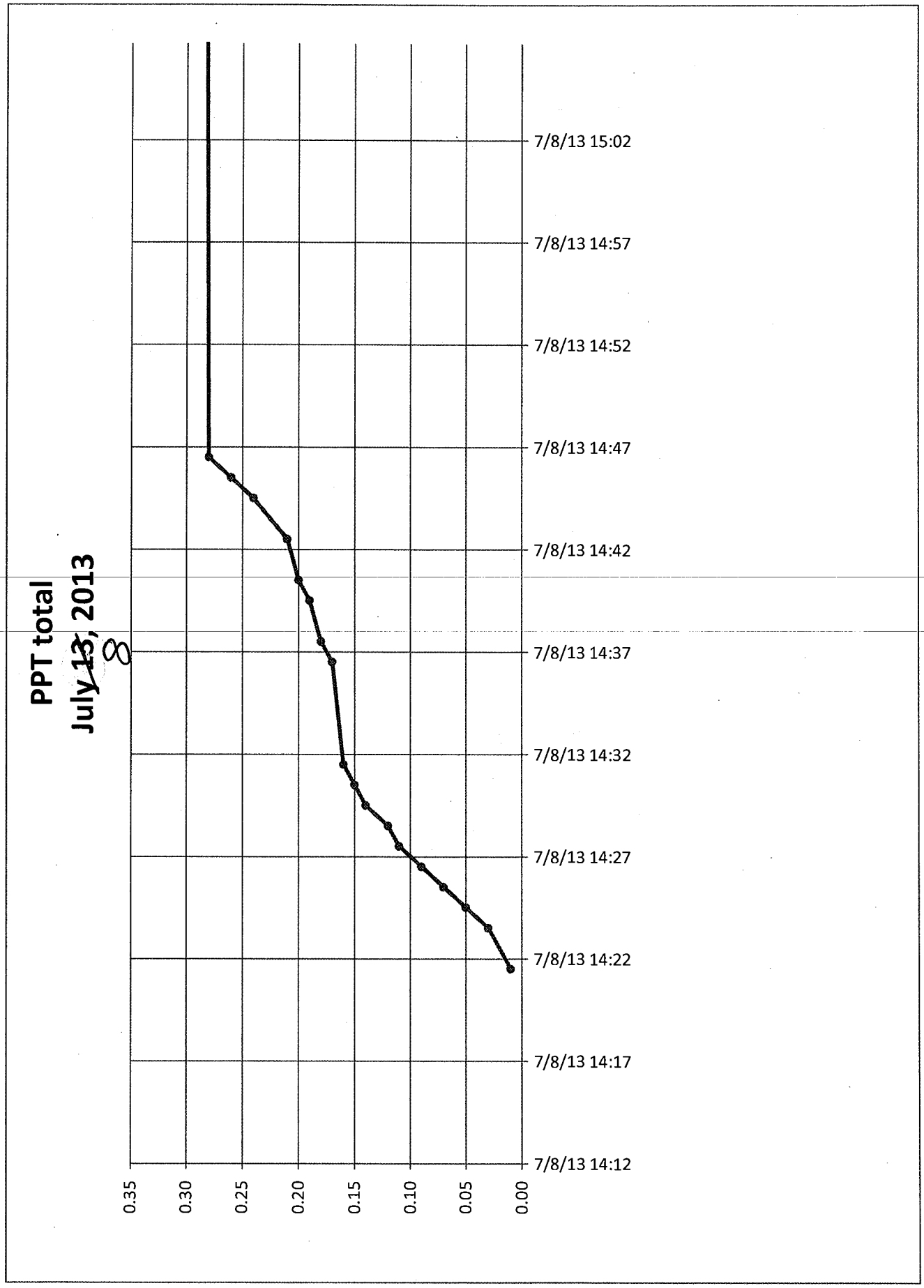
Analyte	Result	Unit	Method	PQL	Test Date	Analyst
Aroclor 1016	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Aroclor 1221	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Aroclor 1232	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Aroclor 1242	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Aroclor 1248	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Aroclor 1254	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Aroclor 1260	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Cadmium	1.06	ug/L	SM 3120	0.003	07/16/13	WM
Calcium	9.75	mg/L	EPA 200.7	0.17	07/11/13	WM
Hardness, Total (as CaCO3)	53.8	mg/L	SM 2340	0.2	07/11/13	WM
Lead	48.6	ug/L	SM 3120	0.03	07/16/13	WM
Magnesium	7.16	mg/L	EPA 200.7	0.03	07/11/13	WM
Nitrate-N	ND	mg/L	SM 4110B	0.5	07/09/13	WM
Nitrite-N	ND	mg/L	SM 4110B	0.5	07/09/13	WM
PCB (total)	ND	ug/L	EPA 8082	0.2	07/14/13	ANA
Phosphorus, Total	0.886	mg/L	EPA 365.1	0.010	07/12/13	WM
Total Kjeldahl Nitrogen (N)	3.61	mg/L	SM 4500N D	0.06	07/16/13	AC
Total Nitrogen (N)	3.61	mg/L	SM 4500N	0.04	07/16/13	WM
Total Suspended Solids	550	mg/L	SM 2540	1	07/11/13	AH
Zinc	486	ug/L	SM 3120	0.03	07/16/13	WM

Comments:

Walter Mueller

Laboratory Supervisor, Walter Mueller Date: 07/17/13

ND: Not Detected PQL: Practical Quantitation Limit


PPT total
July 13, 2013
7/8/13 15:02
7/8/13 14:57
7/8/13 14:52
7/8/13 14:47
7/8/13 14:42
7/8/13 14:37
7/8/13 14:32
7/8/13 14:27
7/8/13 14:22
7/8/13 14:17
7/8/13 14:12
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00

CITY OF POST FALLS STORM WATER PROGRAM
MS4 PERMIT #IDS-028231
FIELD SAMPLE LOG

SAMPLE DATE: 7/8/13

SAMPLER: (*Signature*) _____

SAMPLE COLLECTION INFORMATION:

	CENTENNIAL TRAIL	FOURTH AVENUE
Type of Sample	Grab	Grab
Time of Sample Collection (hhmm)	2:45 Pm	3:00pm
Preservative Added (Yes/No)	Yes	Yes
Samples Transported on Ice (Yes/No)	Yes	Yes
Water Temp. (°F)	76°	77°
Depth of Flow (inches)	6.75"	7.50"
Appearance of Flow (color, oil, odor, trash, turbid, sediment, etc.)	Brown in color. medium sized solids	Gray in color
Other Remarks		

Instructions to Laboratory

Parameters to be tested for these samples are:

PARAMETER	PQL	METHOD
Total Suspended Solids	1 mg/L	SM2540D
Total Phosphorus	0.06 mg/L	EPA 365.3
Total Lead	0.02 mg/L	SM3210
Total Nitrogen	0.05 mg/L	SM4500/4110
Total Zinc	0.013 mg/L	SM3210
Hardness	0.2 mg/L	SM2340B
Total Polychlorinated Biphenyls	0.1 mg/L	SM8082

Chain of Custody

Accurate Testing Labs

7950 Meadowlark Way / Coeur d'Alene 83815 / Phone: (208) 762-8378 / Fax: (208) 762-9082
E-mail: Mueller@accuratetesting.com / Internet: http://www.accurate testing.com

Results & Invoice to:

Name: City of Post Falls – WWTP – Storm Water
Address: 2002 W. Seltice Way
Post Falls, ID 83854
Phone: (208) 773- 1438 Fax: (208) 773-0311

E-mail: dickf@postfallsidaho.org

Reporting Requirements:

Preliminary: FAX ☐ Verbal ☐ by: ___/___/___
Final Report: FAX ☐ Verbal ☐ by: ___/___/___
Rushes: 48 hrs.☐ Other:☐

Project Information:

Project Name: Storm Water Monitoring
Project Number: _____
Credit Card: ☐ Visa ☐ MC # _____

Name of Sampler: Adam Tate

Lab #	Sample ID	Date	Time	Matrix	Analysis Request: NO. of containers	Total Suspended Solids	Total Phosphorus	Total Lead	Total Nitrogen	Total Zinc	Hardness	Total Polychlorinated Biphenyls	Cadmium	Remarks/Sample Conditions
	Centennial Trail Outfall	7/8/13	2:45 PM	water	4	X	X	X	X	X	X	X	X	Cadmium – .003 µg/L
	Fourth Avenue Outfall	7/8/13	3:00 PM	water	4	X	X	X	X	X	X	X	X	

Relinquished by:	Date	Time	Received by:	Date	Time
Carla Baker	7/8/13	4:05 PM		7-8-13	4:07

Chain of Custody Seals
☐ Yes ☐ No ☐ N/A
☐ UPS ☐ FedEx
☐ Bus ☐ Hand

Accurate Testing Labs, LLC
7950 Meadowlark Way
Coeur d'Alene, ID 83815
Phone (208) 762 8378 Fax (208) 762 9082
www.accuratetesting.com
info@accuratetesting.com

Certificate of Analysis

Order No.: **2013050207**

City of Post Falls Treatment
2002 W. Seltice Way
Post Falls , ID 83854

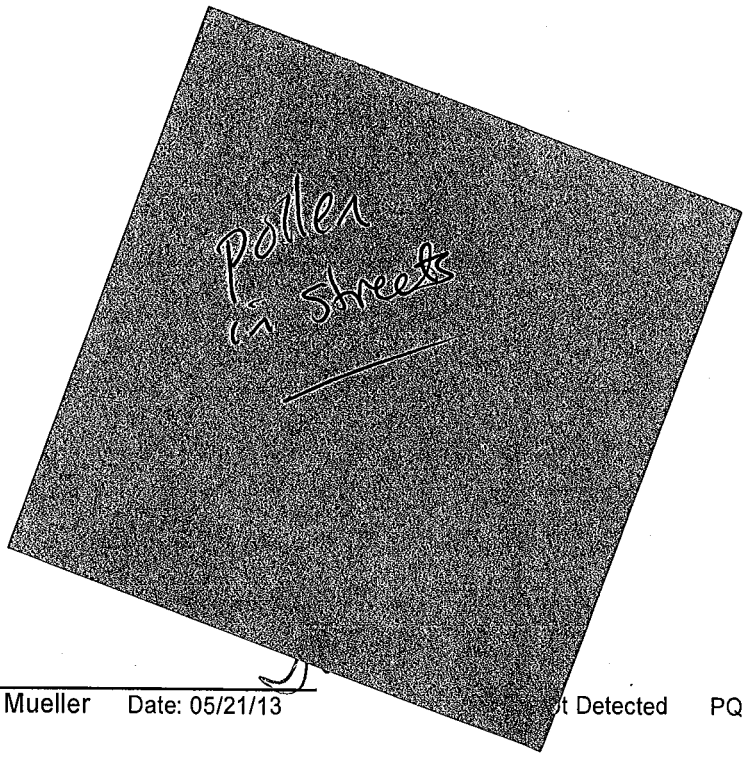
Project: Storm Water Monitoring

Date Received: 05/14/2013 10:15

Sample: **1**
Location: Centennial Trail Outfall
Sample Type: Grabs

Matrix: Non-Potable Water
D/T Collected: 05/13/2013 13:05
Collected by: Adam Tate

Analyte	Result	Unit	Method	PQL	Test Date	Analyst
Calcium	41.7	mg/L	EPA 200.7	0.17	05/17/13	WM
Cadmium	1.25	ug/L	SM 3120	0.003	05/21/13	WM
Hardness, Total (as CaCO3)	190	mg/L	SM 2340	0.2	05/17/13	WM
Magnesium	20.9	mg/L	EPA 200.7	0.03	05/17/13	WM
Nitrite-N	ND	mg/L	SM 4110B	0.5	05/15/13	WM
Nitrate-N	1.7	mg/L	SM 4110B	0.5	05/15/13	WM
Phosphorus, Total	1.18	mg/L	EPA 365.1	0.010	05/16/13	WM
Lead	37.0	ug/L	SM 3120	0.03	05/21/13	WM
Total Kjeldahl Nitrogen (N)	8.11	mg/L	SM 4500N D	0.06	05/17/13	AC
Total Nitrogen (N)	9.81	mg/L	SM 4500N	0.04	05/17/13	WM
Total Suspended Solids	550	mg/L	SM 2540	1	05/16/13	AH
Zinc	1040	ug/L	SM 3120	0.03	05/21/13	WM



Comments:

Walter Mueller

Laboratory Supervisor, Walter Mueller Date: 05/21/13

t Detected PQL: Practical Quantitation Limit

Accurate Testing Labs, LLC
7950 Meadowlark Way
Coeur d'Alene, ID 83815
Phone (208) 762 8378 Fax (208) 762 9082
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info@accuratetesting.com

Certificate of Analysis

Order No.: **2013050207**

Sample:	2	Matrix:	Non-Potable Water
Location:	Fouth Avenue Outfall	D/T Collected:	05/13/2013 13:15
Sample Type:	Grabs	Collected by:	Adam Tate

Analyte	Result	Unit	Method	PQL	Test Date	Analyst
Calcium	18.0	mg/L	EPA 200.7	0.17	05/17/13	WM
Cadmium	0.850	ug/L	SM 3120	0.003	05/21/13	WM
Hardness, Total (as CaCO3)	81.6	mg/L	SM 2340	0.2	05/17/13	WM
Magnesium	8.89	mg/L	EPA 200.7	0.03	05/17/13	WM
Nitrite-N	ND	mg/L	SM 4110B	0.5	05/15/13	WM
Nitrate-N	0.61	mg/L	SM 4110B	0.5	05/15/13	WM
Phosphorus, Total	0.786	mg/L	EPA 365.1	0.010	05/16/13	WM
Lead	28.5	ug/L	SM 3120	0.03	05/21/13	WM
Total Kjeldahl Nitrogen (N)	4.62	mg/L	SM 4500N D	0.06	05/17/13	AC
Total Nitrogen (N)	5.23	mg/L	SM 4500N	0.04	05/17/13	WM
Total Suspended Solids	407	mg/L	SM 2540	1	05/16/13	AH
Zinc	554	ug/L	SM 3120	0.03	05/21/13	WM

Comments:

Laboratory Supervisor, Walter Mueller Date: 05/21/13

ND: Not Detected PQL: Practical Quantitation Limit

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info@accuratetesting.com

Certificate of Analysis

Order No.: **2013050287**

City of Post Falls Treatment
2002 W. Seltice Way
Post Falls , ID 83854

Project: Storm Water Monitoring

Date Received: 05/16/2013 09:47

Sample: 1
Location: Centennial Trail Outfall
Sample Type: Grabs

Matrix: Non-Potable Water
D/T Collected: 05/13/2013 13:05
Collected by: Adam Tate

Analyte	Result	Unit	Method	PQL	Test Date	Analyst
PCB (total)	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1016	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1221	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1232	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1242	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1248	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1254	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1260	ND	ug/L	EPA 8082	0.2	05/30/13	ANA

Comments:

Walter Mueller

Laboratory Supervisor, Walter Mueller Date: 06/06/13

ND: Not Detected PQL: Practical Quantitation Limit

Accurate Testing Labs, LLC
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Coeur d'Alene, ID 83815
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Certificate of Analysis

Order No.: **2013050287**

Sample:	2	Matrix:	Non-Potable Water
Location:	Fourth Avenue Outfall	D/T Collected:	05/13/2013 13:15
Sample Type:	Grabs	Collected by:	Adam Tate

Analyte	Result	Unit	Method	PQL	Test Date	Analyst
PCB (total)	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1016	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1221	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1232	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1242	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1248	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1254	ND	ug/L	EPA 8082	0.2	05/30/13	ANA
Aroclor 1260	ND	ug/L	EPA 8082	0.2	05/30/13	ANA

Comments:

Laboratory Supervisor, Walter Mueller Date: 06/06/13

ND: Not Detected PQL: Practical Quantitation Limit

CITY OF POST FALLS STORM WATER PROGRAM
MS4 PERMIT #IDS-028231
FIELD SAMPLE LOG

SAMPLE DATE: 5/13/13

SAMPLER: (*Signature*) [signature]

SAMPLE COLLECTION INFORMATION:

	CENTENNIAL TRAIL	FOURTH AVENUE
Type of Sample	Grab	Grab
Time of Sample Collection (hhmm)	1:05 PM	1:15 PM
Preservative Added (Yes/No)	Yes	Yes
Samples Transported on Ice (Yes/No)	Yes	Yes
Water Temp. (°F)	58°	61°
Depth of Flow (inches)	2 3/4"	4 1/4"
Appearance of Flow (color, oil, odor, trash, turbid, sediment, etc.)	Brown, lots of floating grass and sticks	Gray, lots of floating grass and sticks
Other Remarks		

Instructions to Laboratory

Parameters to be tested for these samples are:

PARAMETER	PQL	METHOD
Total Suspended Solids	1 mg/L	SM2540D
Total Phosphorus	0.06 mg/L	EPA 365.3
Total Lead	0.02 mg/L	SM3210
Total Nitrogen	0.05 mg/L	SM4500/4110
Total Zinc	0.013 mg/L	SM3210
Hardness	0.2 mg/L	SM2340B
Total Polychlorinated Biphenyls	0.1 mg/L	SM8082

Chain of Custody

Accurate Testing Labs

7950 Meadowlark Way / Coeur d'Alene 83815 / Phone: (208) 762-8378 / Fax: (208) 762-9082
E-mail: Mueller@accuratetesting.com / Internet: http://www.accurate testing.com

Results & Invoice to:

Name: City of Post Falls – WWTP – Storm Water
Address: 2002 W. Seltice Way
Post Falls, ID 83854
Phone: (208) 773- 1438 Fax: (208) 773-0311

E-mail: dickf@postfallsidaho.org

Reporting Requirements:

Preliminary: FAX ☐ Verbal ☐ by: ___/___/___
Final Report: FAX ☐ Verbal ☐ by: ___/___/___
Rushes: 48 hrs.☐ Other:☐

Project Information:

Project Name: Storm Water Monitoring
Project Number: _____
Credit Card: ☐ Visa ☐ MC # _____

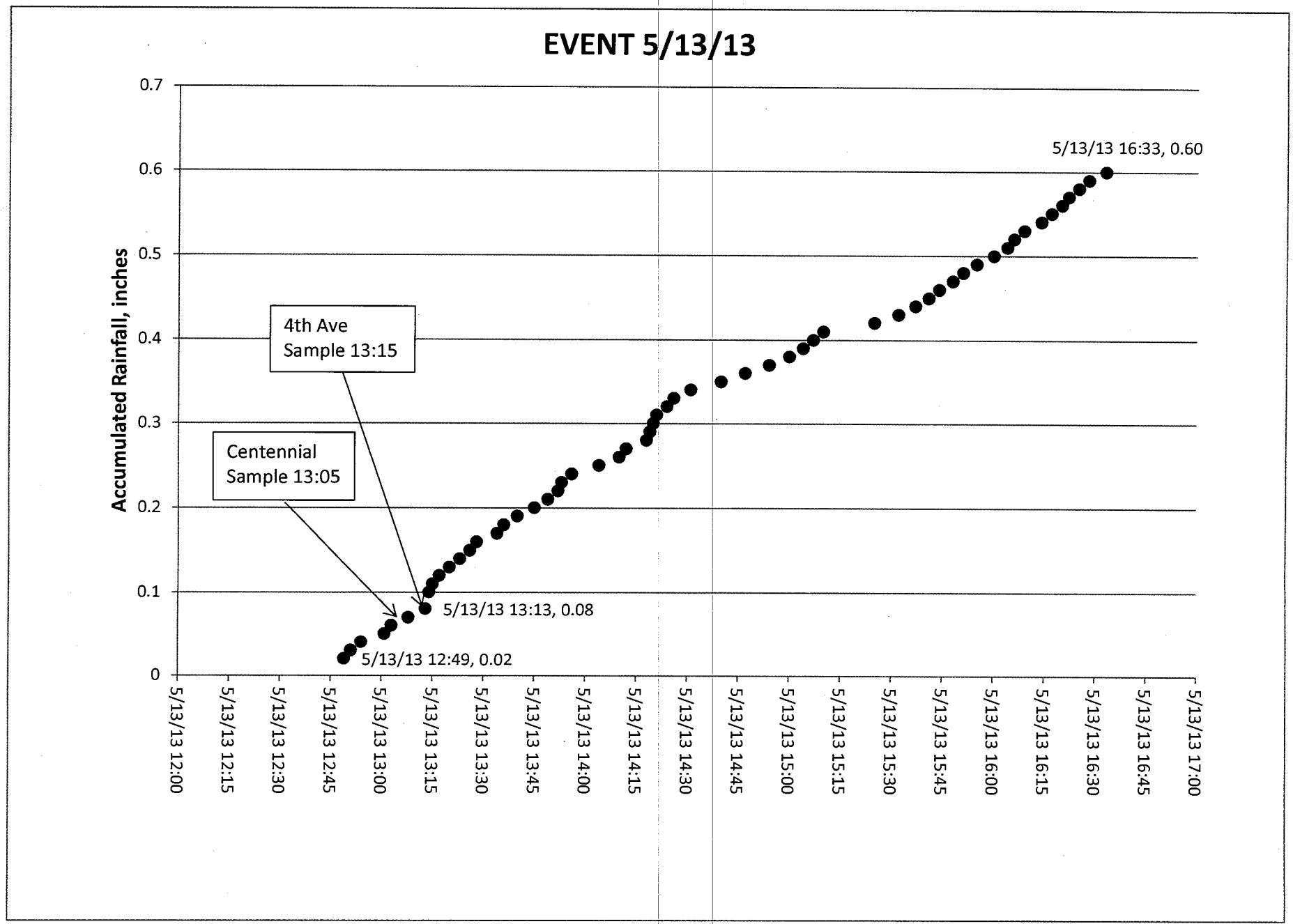
Name of Sampler: Adam Tate

Lab #	Sample ID	Date	Time	Matrix	NO. of containers	Total Suspended Solids	Total Phosphorus	Total Lead	Total Nitrogen	Total Zinc	Hardness	Total Polychlorinated Biphenyls	Cadmium	Remarks/Sample Conditions
	Centennial Trail Outfall	5/13/13	1:05 pm	water		X	X	X	X	X	X	X	X	Cadmium – .003 µg/L
	Fourth Avenue Outfall	5/13/13	1:15 pm	water		X	X	X	X	X	X	X	X	

Relinquished by: Date Time: 5-14-13 10:15

Received by: Date Time: 5-14-13 10:15

Chain of Custody Seals
☐ Yes ☐ No ☐ N/A
☐ UPS ☐ FedEx
☐ Bus ☐ Hand


EVENT 5/13/13
Accumulated Rainfall, inches
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0.6
0.5
0.4
0.3
0.2
0.1
0
4th Ave
Sample 13:15
Centennial
Sample 13:05
5/13/13 16:33, 0.60
5/13/13 13:13, 0.08
5/13/13 12:49, 0.02
5/13/13 12:00
5/13/13 12:15
5/13/13 12:30
5/13/13 12:45
5/13/13 13:00
5/13/13 13:15
5/13/13 13:30
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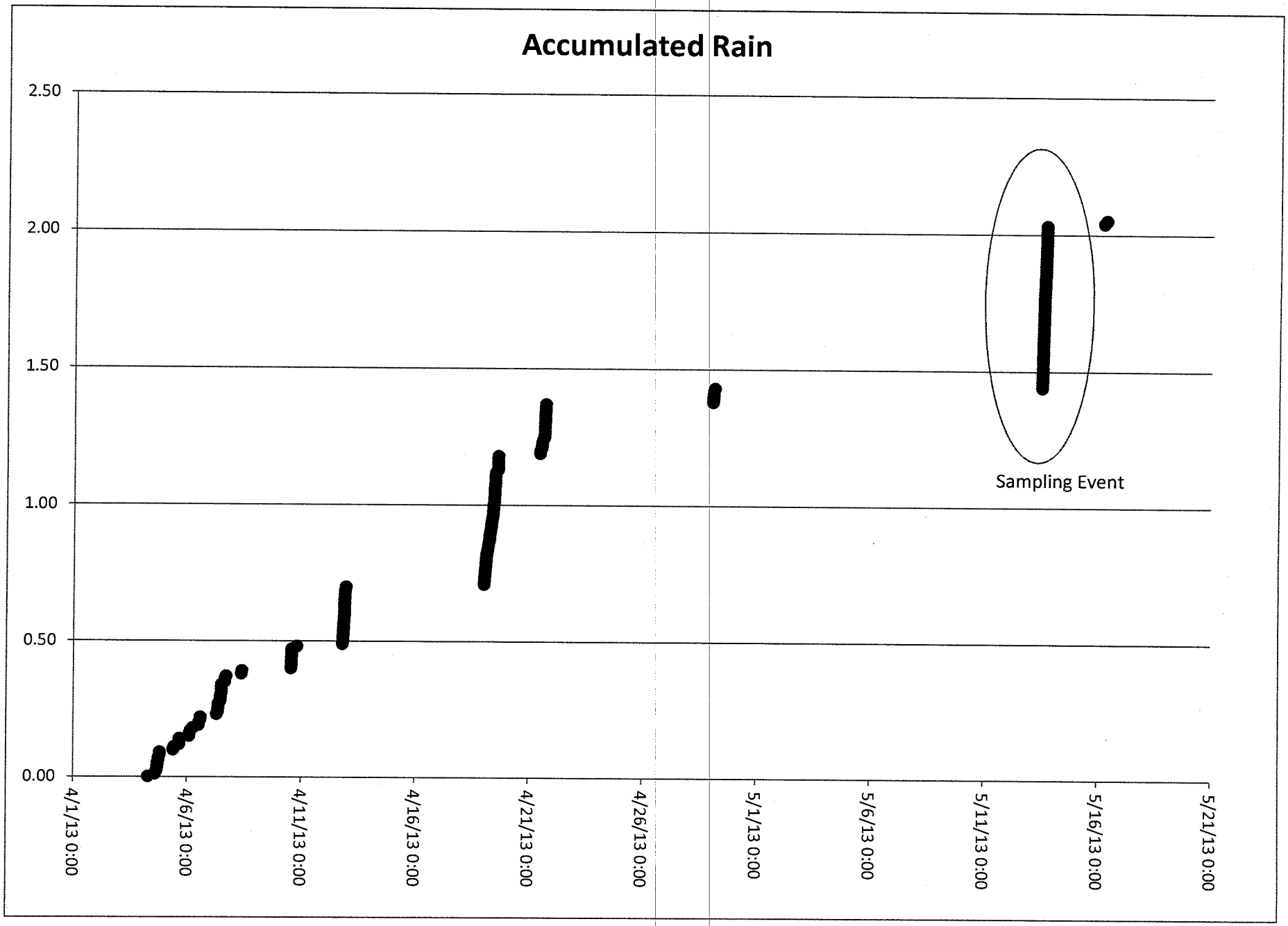
5/13/13 17:00


Accumulated Rain
2.50
2.00
1.50
1.00
0.50
0.00
Sampling Event
4/1/13 0:00
4/6/13 0:00
4/11/13 0:00
4/16/13 0:00
4/21/13 0:00
4/26/13 0:00
5/1/13 0:00
5/6/13 0:00
5/11/13 0:00
5/16/13 0:00
5/21/13 0:00

Accurate Testing Labs, LLC
7950 Meadowlark Way
Coeur d'Alene, ID 83815
Phone (208) 762 8378 Fax (208) 762 9082
www.accuratetesting.com
info@accuratetesting.com

Certificate of Analysis

Order No.: **2013030138**

Bob Hatcher
City of Post Falls Treatment
2002 W. Seltice Way
Post Falls, ID 83854

Description:
Storm Water Monitoring

Date Received: 03/07/2013 07:50

Sample: **1**
Location: Centennial Trail Outfall
Sample Type: Grabs

Matrix: Non-Potable Water
D/T Collected: 03/06/2013 16:05
Collected by: Adam Tate

Analyte	Result	Unit	Method	PQL	Test Date	Analyst
Aroclor 1016	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Aroclor 1221	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Aroclor 1232	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Aroclor 1242	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Aroclor 1248	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Aroclor 1254	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Aroclor 1260	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Cadmium	1.61	ug/L	SM 3120	0.003	03/13/13	WM
Calcium	27.6	mg/L	EPA 200.7	0.17	03/08/13	WM
Hardness, Total (as CaCO3)	189	mg/L	SM 2340	0.2	03/08/13	WM
Lead	45.6	ug/L	SM 3120	0.03	03/13/13	WM
Magnesium	28.7	mg/L	EPA 200.7	0.03	03/08/13	WM
Nitrate-N	0.91	mg/L	SM 4110B	0.5	03/08/13	WM
Nitrite-N	ND	mg/L	SM 4110B	0.5	03/08/13	WM
PCB (total)	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Phosphorus, Total	0.851	mg/L	EPA 365.1	0.010	03/08/13	WM
Total Kjeldahl Nitrogen (N)	3.89	mg/L	SM 4500N B	0.06	03/11/13	AC
Total Nitrogen (N)	4.80	mg/L	SM 4500N	0.04	03/11/13	WM
Total Suspended Solids	920	mg/L	SM 2540	1	03/07/13	AH
Zinc	1020	ug/L	SM 3120	0.03	03/13/13	WM

Comments:

Walter Mueller

Laboratory Supervisor, Walter Mueller Date: 03/22/13

ND: Not Detected PQL: Practical Quantitation Limit

Accurate Testing Labs, LLC
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Coeur d'Alene, ID 83815
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Certificate of Analysis

Order No.: **2013030138**

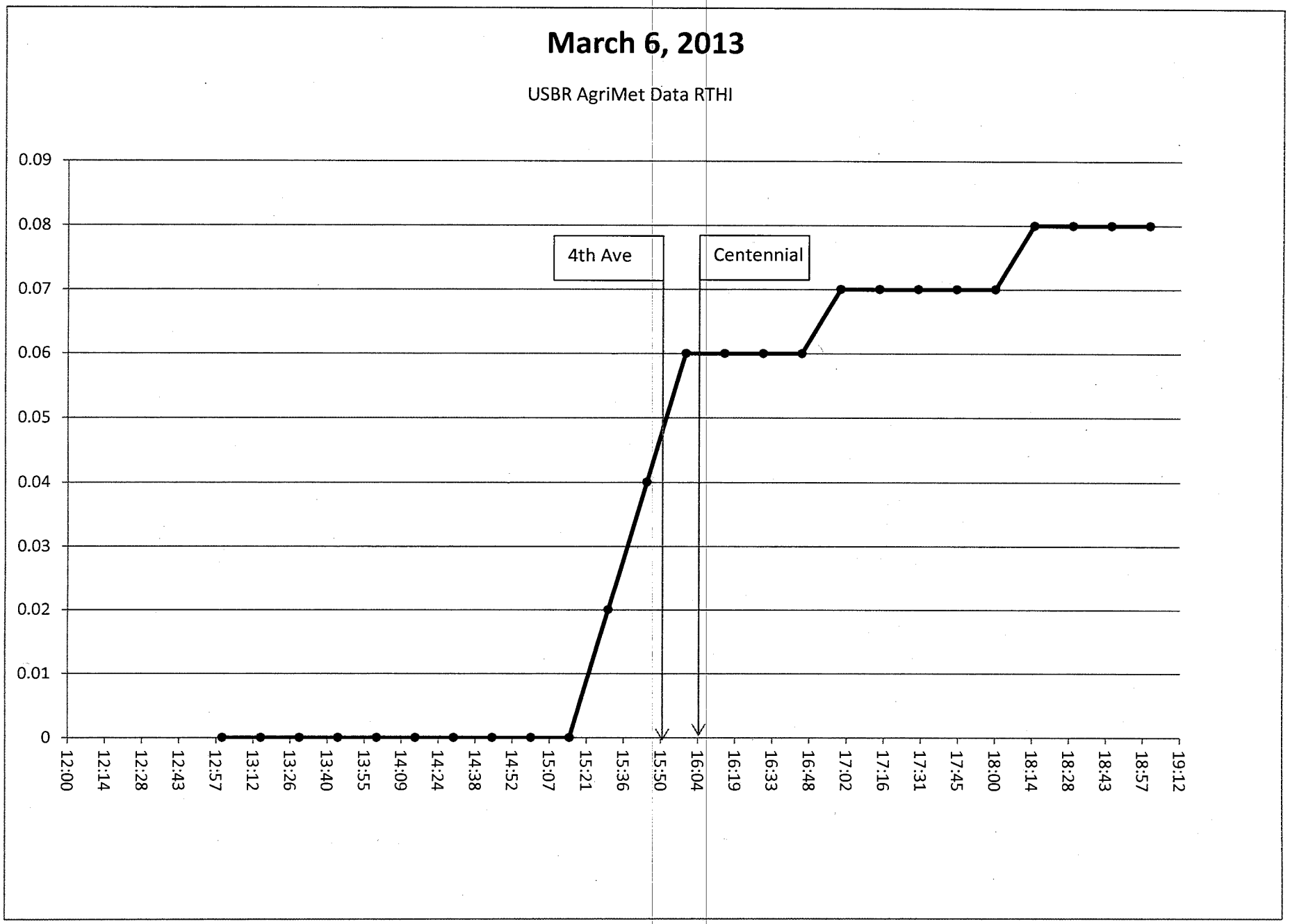
Sample:	**2**	Matrix:	Non-Potable Water
Location:	Fouth Avenue Outfall	D/T Collected:	03/06/2013 15:50
Sample Type:	Grabs	Collected by:	Adam Tate

Analyte	Result	Unit	Method	PQL	Test Date	Analyst
Aroclor 1016	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Aroclor 1221	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Aroclor 1232	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Aroclor 1242	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Aroclor 1248	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Aroclor 1254	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Aroclor 1260	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Cadmium	1.55	ug/L	SM 3120	0.003	03/13/13	WM
Calcium	25.8	mg/L	EPA 200.7	0.17	03/08/13	WM
Hardness, Total (as CaCO3)	178	mg/L	SM 2340	0.2	03/08/13	WM
Lead	47.2	ug/L	SM 3120	0.03	03/13/13	WM
Magnesium	27.2	mg/L	EPA 200.7	0.03	03/08/13	WM
Nitrate-N	0.94	mg/L	SM 4110B	0.5	03/08/13	WM
Nitrite-N	ND	mg/L	SM 4110B	0.5	03/08/13	WM
PCB (total)	ND	ug/L	EPA 8082	0.2	03/14/13	ANA
Phosphorus, Total	0.885	mg/L	EPA 365.1	0.010	03/08/13	WM
Total Kjeldahl Nitrogen (N)	4.63	mg/L	SM 4500N B	0.06	03/11/13	AC
Total Nitrogen (N)	5.57	mg/L	SM 4500N	0.04	03/11/13	WM
Total Suspended Solids	860	mg/L	SM 2540	1	03/07/13	AH
Zinc	946	ug/L	SM 3120	0.03	03/13/13	WM

Comments:

Laboratory Supervisor, Walter Mueller Date: 03/22/13

ND: Not Detected PQL: Practical Quantitation Limit


March 6, 2013
USBR AgriMet Data RTHI
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0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
4th Ave
Centennial
12:00
12:14
12:28
12:43
12:57
13:12
13:26
13:40
13:55
14:09
14:24
14:38
14:52
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15:21
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16:19
16:33
16:48
17:02
17:16
17:31
17:45
18:00
18:14
18:28
18:43
18:57
19:12

CITY OF POST FALLS STORM WATER PROGRAM
MS4 PERMIT #IDS-028231
FIELD SAMPLE LOG

SAMPLE DATE: 3/6/13

SAMPLER: (*Signature*) Adam Tate

SAMPLE COLLECTION INFORMATION:

	CENTENNIAL TRAIL	FOURTH AVENUE
Type of Sample	Grab	Grab
Time of Sample Collection (hhmm)	4:05 PM	3:50 PM
Preservative Added (Yes/No)	Yes	Yes
Samples Transported on Ice (Yes/No)	Yes	Yes
Water Temp. (°F)	43°	42°
Depth of Flow (inches)	1.5"	1.25"
Appearance of Flow (color, oil, odor, trash, turbid, sediment, etc.)	Brown	Boown
Other Remarks		

Instructions to Laboratory

Parameters to be tested for these samples are:

PARAMETER	PQL	METHOD
Total Suspended Solids	1 mg/L	SM2540D
Total Phosphorus	0.06 mg/L	EPA 365.3
Total Lead	0.02 mg/L	SM3210
Total Nitrogen	0.05 mg/L	SM4500/4110
Total Zinc	0.013 mg/L	SM3210
Hardness	0.2 mg/L	SM2340B
Total Polychlorinated Biphenyls	0.1 mg/L	SM8082

Chain of Custody

Accurate Testing Labs

7950 Meadowlark Way / Coeur d'Alene 83815 / Phone: (208) 762-8378 / Fax: (208) 762-9082
E-mail: Mueller@accuratetesting.com / Internet: http://www.accurate testing.com

Results & Invoice to:

Name: City of Post Falls – WWTP – Storm Water
Address: 2002 W. Seltice Way
Post Falls, ID 83854
Phone: (208) 773- 1438 Fax: (208) 773-0311

E-mail: dickf@postfallsidaho.org

Project Information:

Project Name: Storm Water Monitoring

Project Number: _____

Credit Card: ☐ Visa ☐ MC # _____

Reporting Requirements:

Preliminary: FAX ☐ Verbal ☐ by: ___/___/___
Final Report: FAX ☐ Verbal ☐ by: ___/___/___
Rushes: 48 hrs.☐ Other:☐

Name of Sampler: Adam Tate

Lab #	Sample ID	Date	Time	Matrix	Analysis Request: NO. of containers	Total Suspended Solids	Total Phosphorus	Total Lead	Total Nitrogen	Total Zinc	Hardness	Total Polychlorinated Biphenyls	Cadmium	Remarks/Sample Conditions
	Centennial Trail Outfall	3/6/13	4:05 pm	water	4	x	x	x	x	x	x	x	x	Cadmium – .003 µg/L
	Fourth Avenue Outfall	3/6/13	3:50 pm	water	4	x	x	x	x	x	x	x	x	

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	3/7/13	7:50	[signature]	3-7-13	7:50

Chain of Custody Seals
☒ Yes ☐ No ☐ N/A
☐ UPS ☐ FedEx
☐ Bus ☒ Hand