



# Water Quality Program

## Permit Submittal Electronic Certification

**Permittee:** BUCKLEY CITY

**Permit Number:** WAR045003

**Site Address:** 933 MAIN ST  
Buckley, WA 98321

**Submittal Name:** MS4 Annual Report Phase II Western

**Version:** 1

**Due Date:** 3/31/2016

### Questionnaire

Number	Permit Section	Question	Answer
1	S5.A.2	Attach updated annual Stormwater Management Program Plan (SWMP Plan). (S5.A.2)	Buckley 2016 SWMP__1_03102016102323
2	S9.D.5	Attach a copy of any annexations, incorporations or boundary changes resulting in an increase or decrease in the Permittee's geographic area of permit coverage during the reporting period per S9.D.5.	Not Applicable
3	S5.A.3	Implemented an ongoing program to gather, track, and maintain information per S5.A.3, including costs or estimated costs of implementing the SWMP.	Yes
4	S5.A.5.b	Coordinated among departments within the jurisdiction to eliminate barriers to permit compliance. (S5.A.5.b)	Yes
5	S5.C.1.a.i and ii	Attach description of public education and outreach efforts conducted per S5.C.1.a.i and ii.	BuckleyEdEffort 2016_5_03102016092519
6	S5.C.1.b	Created stewardship opportunities (or partnered with others) to encourage resident participation in activities such as those described in S5.C.1.b.	Yes
7	S5.C.1.b	Used results of measuring the understanding and adoption of targeted behaviors among at least one audience in at least one subject area to direct education and outreach resources and evaluate changes in adoption of targeted behaviors. (Required no later than February 2, 2016, S5.C.1.b)	Not Applicable
7b	S5.C.1.b	Attach description of how this requirement was met.	
8	S5.C.2.a	Describe the opportunities created for the public to participate in the decision making processes involving the development, implementation and updates of the Permittee's SWMP. (S5.C.2.a)	City Council Meeting
9	S5.C.2.b	Posted the updated SWMP Plan and latest annual report on your website no later than May 31. (S5.C.2.b)	Yes

9b	S5.C.2.b	List the website address.	<a href="http://www.cityofbuckley.com/index.asp?Type=B_BASIC&amp;SEC={486CBF58-4D1B-42BB-823E-9F556228166C}">http://www.cityofbuckley.com/index.asp?Type=B_BASIC&amp;SEC={486CBF58-4D1B-42BB-823E-9F556228166C}</a>
10	S5.C.3.a.i - vi	Maintained a map of the MS4 including the requirements listed in S5.C.3.a.i.-vi.	Yes
11	S5.C.3.b.v	Implemented a compliance strategy, including informal compliance actions as well as enforcement provisions of the regulatory mechanism described in S5.C.3.b. (S5.C.3.b.v)	Yes
12	S5.C.3.b.vi	Updated, if necessary, the regulatory mechanism to effectively prohibit illicit discharges into the MS4 per S5.C.3.b.vi. (Required no later than February 2, 2018)	Not Applicable
12b		Cite the Prohibited Discharges code reference	
13	S5.C.3.c.i	Implemented procedures for conducting illicit discharge investigations in accordance with S5.C.3.c.i.	Yes
13b	S5.C.3.c.i	Cite methodology	City's IDDE Program Manual created in 2011
14	S5.C.3.c.i	Percentage of MS4 coverage area screened in reporting year per S5.C.3.c.i. (Required to screen 40% of MS4 no later than December 31, 2017 (except no later than June 30, 2018 for the City of Aberdeen) and 12% on average each year thereafter. (S5.C.3)	46
15	S5.C.3.c.ii	List the hotline telephone number for public reporting of spills and other illicit discharges. (S5.C.3.c.ii)	360-829-1631
15b	S5.C.3.c.ii	Number of hotline calls received.	0
16	S5.C.3.c.iii	Implemented an ongoing illicit discharge training program for all municipal field staff per S5.C.3.c.iii.	Yes
17	S5.C.3.c.iv	Informed public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste. (S5.C.3.c.iv)	Yes
17b	S5.C.3.c.iv	Describe the information sharing actions. (S5.C.3.c.iv)	See education attachment.
18	S5.C.3.d	Implemented an ongoing program to characterize, trace, and eliminate illicit discharges into the MS4 per S5.C.3.d.	Yes
19	S5.C.3.d.iv	Number of illicit discharges, including illicit connections, eliminated during the reporting year. (S5.C.3.d.iv)	0
20	S5.C.3.d.iv	Attach a summary of actions taken to characterize, trace and eliminate each illicit discharge found by or reported to the permittee. For each illicit discharge, include a description of actions according to required timeline per S5.C.3.d.iv	Not Applicable
21	S5.C.3.e	Municipal illicit discharge detection staff are trained to conduct illicit discharge detection and elimination activities as described in S5.C.3.e.	Yes

22	S5.C.4.a	Implemented an ordinance or other enforceable mechanism to address runoff from new development, redevelopment and construction sites per the requirements of S5.C.4.a.	Yes
24	S5.C.4.a.i	Number of exceptions granted to the minimum requirements in Appendix 1. (S5.C.4.a.i., and Section 6 of Appendix 1)	0
25	S5.C.4.a.i	Number of variances granted to the minimum requirements in Appendix 1. (S5.C.4.a.i., and Section 6 of Appendix 1)	0
26	S5.C.4.b.i	Reviewed Stormwater Site Plans for all proposed development activities that meet the thresholds adopted pursuant to S5.C.4.a.i. (S5.C.4.b.i)	Yes
26b	S5.C.4.b.i	Number of site plans reviewed during the reporting period.	4
27	S5.C.4.b.ii	Inspected, prior to clearing and construction, permitted development sites that have a high potential for sediment transport as determined through plan review based on definitions and requirements in Appendix 7 Determining Construction Site Sediment Damage Potential, or alternatively, inspected all construction sites meeting the minimum thresholds adopted pursuant to S5.C.4.a.i. (S5.C.4.b.ii)	Yes
27b	S5.C.4.b.ii	Number of construction sites inspected per S5.C.4.b.ii.	10
28	S5.C.4.b.iii	Inspected permitted development sites during construction to verify proper installation and maintenance of required erosion and sediment controls. (S5.C.4.b.iii)	Yes
28b	S5.C.4.b.iii	Number of construction sites inspected per S5.C.4.b.iii.	10
29	S5.C.4.b.ii, iii and	Number of enforcement actions taken during the reporting period (based on construction phase inspections at new development and redevelopment projects). (S5.C.4.b.ii, iii and v)	1
30	S5.C.4.b.iv	Inspected all permitted development sites that meet the thresholds in S5.C.4.a.i upon completion of construction and prior to final approval or occupancy to ensure proper installation of permanent stormwater facilities. (S5.C.4.b.iv)	Yes
31	S5.C.4.b.ii-iv	Achieved at least 80% of scheduled construction-related inspections. (S5.C.4.b.ii-iv)	Yes
32	S5.C.4.b.iv	Verified a maintenance plan is completed and responsibility for maintenance is assigned for projects. (S5.C.4.b.iv)	Yes
33	S5.C.4.c	Implemented provisions to verify adequate long-term operation and maintenance (O&M) of stormwater treatment and flow control BMPs/facilities that are permitted and constructed pursuant to S5.C.4. a and b. (S5.C.4.c)	Yes
35	S5.C.4.c.iii	Annually inspected stormwater treatment and flow control BMPs/facilities per S5.C.4.c.iii.	Yes

35b	S5.C.4.c.iii	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.4.c.iii	Not Applicable
36	S5.C.4.c.iv	Inspected new residential stormwater treatment and flow control BMPs/facilities and catch basins every 6 months per S5.C.4.c.iv to identify maintenance needs and enforce compliance with maintenance standards.	Yes
37	S5.C.4.c.v	Achieved at least 80% of scheduled inspections to verify adequate long-term O&M. (S5.C.4.c.v)	Yes
38	S4.C.4.c.vi	Verified that maintenance was performed per the schedule in S5.C.4.c.vi when an inspection identified an exceedance of the maintenance standard.	Not Applicable
38b	S5.C.4.c.vi	Attach documentation of any maintenance delays. (S5.C.4.c.vi)	Not Applicable
39	S5.C.4.d	Provided copies of the Notice of Intent for Construction Activity and Notice of Intent for Industrial Activity to representatives of proposed new development and redevelopment. (S5.C.4.d)	Yes
40	S5.C.4.e	All staff responsible for implementing the program to control stormwater runoff from new development, redevelopment, and construction sites, including permitting, plan review, construction site inspections, and enforcement are trained to conduct these activities. (S5.C.4.e)	Yes
42	S5.C.4.g	Participated and cooperated with the watershed-scale stormwater planning process led by a Phase I county. (S5.C.4.g)	Not Applicable
43	S5.C.5.a	Implemented maintenance standards as protective, or more protective, of facility function as those specified in Chapter 4 of Volume V of the 2005 Stormwater Management Manual for Western Washington.	Yes
44	S5.C.5.a	Applied a maintenance standard that is not specified in the Stormwater Management Manual for Western Washington.	Not Applicable
44b	S5.C.5.a	Please note what kinds of facilities are covered by this alternative maintenance standard. (S5.C.5.a)	
45	S5.C.5.a.ii	Performed timely maintenance per S5.C.5.a.ii.	Yes
46	S5.C.5.b	Annually inspected all municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities. (S5.C.5.b)	Yes
46b	S5.C.5.b	Number of known municipally owned or operated stormwater treatment and flow control BMPs/facilities. (S5.C.5.b)	8
46c	S5.C.5.b	Number of facilities inspected during the reporting period. (S5.C.5.b)	8
46d	S5.C.5.b	Number of facilities for which maintenance was performed during the reporting period. (S5.C.5.b)	6
47	S5.C.5.b	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.5.b.	Not Applicable

48	S5.C.5.c	Conducted spot checks and inspections (if necessary) of potentially damaged stormwater facilities after major storms as per S5.C.5.c.	Yes
49	S5.C.5.d	Inspected all municipally owned or operated catch basins and inlets as per S5.C.5.d, or used an alternative approach. (Required once no later than August 1, 2017 and every two years thereafter, except once no later than June 30, 2018 and every two years thereafter for the City of Aberdeen)	Yes
49b	S5.C.5.d	Number of known catch basins.	1415
49c	S5.C.5.d	Number of catch basins inspected during the reporting period.	657
49d	S5.C.5.d	Number of catch basins cleaned during the reporting period.	10
50	S5.C.5.d.i-ii	Attach documentation of alternative catch basin cleaning approach, if used. (S5.C.5.d.i or ii)	Not Applicable
51	S5.C.5.f	Implemented practices, policies and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by the Permittee, and road maintenance activities under the functional control of the Permittee. (S5.C.5.f)	Yes
52	S5.C.5.g	Implemented an ongoing training program for Permittee employees whose primary construction, operations or maintenance job functions may impact stormwater quality. (S5.C.5.g.)	Yes
53	S5.C.5.h	Implemented a Stormwater Pollution Prevention Plan for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated by the Permittee in areas subject to this Permit that are not required to have coverage under an NPDES permit that covers stormwater discharges associated with the activity. (S5.C.5.h)	Yes
54	S7.A	Complied with the Total Maximum Daily Load (TMDL)-specific requirements identified in Appendix 2. (S7.A)	Yes
55	S7.A	For TMDLs listed in Appendix 2: Attach a summary of relevant SWMP and Appendix 2 activities to address the applicable TMDL parameter(s). (S7.A)	BuckleyTMDL_Summary_2015_55_02242016065526
56	S8.A	Attach a description of any stormwater monitoring or stormwater-related studies as described in S8.A.	Not Applicable
57	S8.B.1	Participated in cost-sharing for the regional stormwater monitoring program (RSMP) for status and trends monitoring. (S8.B.1)	Yes
57B	S8.B.2	If choosing to conduct individual status and trends monitoring, attach an annual stormwater monitoring report in accordance with S8.B.2. (Required to submit reports beginning March 31, 2016)	

58	S8.C.1	Participated in cost-sharing for the regional stormwater monitoring program (RSMP) for effectiveness studies. (S8.C.1) (Required to begin no later than August 15, 2014)	Yes
58b	S8.C.2	If choosing to conduct discharge monitoring, attach an annual stormwater monitoring report in accordance with S8.C.2 and Appendix 9. (Required to submit reports beginning March 31, 2016)	
59	S8.D.1	Contributed to the RSMP for source identification and diagnostic monitoring information repository in accordance with S8.D.1. (Required to begin no later than August 15, 2014)	Yes
60	G3	Notified Ecology in accordance with G3 of any discharge into or from the Permittees MS4 which could constitute a threat to human health, welfare or the environment. (G3)	Not Applicable
61	G3	Number of G3 notifications provided to Ecology.	0
62	G3.A	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A.	Not Applicable
63	S4.F.1	Notified Ecology within 30 days of becoming aware that a discharge from the Permittee's MS4 caused or contributed to a known or likely violation of water quality standards in the receiving water. (S4.F.1)	Not Applicable
64	S4.F.3.a	If requested, submitted an Adaptive Management Response report in accordance with S4.F.3.a.	Not Applicable
65	S4.F.3.d	Attach a summary of the status of implementation of any actions taken pursuant to S4.F.3 and the status of any monitoring, assessment, or evaluation efforts conducted during the reporting period. (S4.F.3.d)	Not Applicable
66	G20	Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance. (G20)	Not Applicable
67	G20	Number of non-compliance notifications (G20) provided in reporting year.	0
67b	G20	List the permit conditions described in non-compliance notification(s).	Not Applicable

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

Dave Schmidt

3/24/2016 11:38:01 AM

Signature

Date

City of Buckley  
TMDL Summary for 2015 NPDES Phase II Annual Report

Per Appendix 2 of the NPDES Phase II Municipal Stormwater Permit, the City of Buckley is required to make areas draining to Spiketon Ditch a high priority for illicit discharge inspections. The City has teamed with a volunteer force to monitor this area. Attached is a summary of the results.

## Buckley Volunteer Stormwater Monitoring Program - 2015

Site: Mundy Loss & 112th

Date	Time	pH	Turbidity	Water Appearance	Stream Bed Coating	Odor	Weather Conditions & Comments	Trash/Litter
2/24/2015	12:20	6.5	0	Clear, 98% cover of vegetation - grass & duckweed	Can't see bottom	none	Clear; clear previous 24 hrs. No storm in last 7 days. Water in ditch.	3 small cellophane wrappers
6/6/2015	11:30						Clear; clear previous 24 hrs. No storm in last 7 days. No water!	
9/3/2015	11:20	6.5	0	clear, grasses; aquatic plants thick in spots	none	none	Cloudy; storm, showers previous 24 hrs.	plastic cup
11/27/2015	1:15pm	6.5	0	Clear	can't see bottom due to vegetation	none	Clear, clear previous 24 hrs. There was light water flow.	

**Site: Levesque  
& Collins Road**

<b>Date</b>	<b>Time</b>	<b>pH</b>	<b>Turbidity</b>	<b>Water Appearance</b>	<b>Stream Bed Coating</b>	<b>Odor</b>	<b>Weather Conditions &amp; Comments</b>	<b>Trash/Litter</b>
2/24/2015	12:00	7.5	0	Clear, duckweed on surface covering 2/3s.	Black	None	Clear; clear previous 24 hrs. No storm in previous 7 days. Water in ditch.	Styrofoam cups, bottles, cans, several plastic bags.
6/6/2015	11:45	7.5	0	Surface covered with duckweed	None	None	Clear; clear past 24 hrs. No storm in previous 7 days.	plastic containers, paper litter, blackberry vines, dead branches, grass 5' tall. Very difficult to access. Water very cold.
9/3/2015	11:40	6.5 - 7	0	Clear, overgrown with grasses & blackberries. Entire surface covered with duckweed	Can't see	None	Cloudy; storm, showers in previous 24 hrs.	Paper, can, plastic bottle present.
11/27/2015	12:45	7	0	Clear, light flow	Can't see the bottom, dark shade	None	Clear; clear previous 24 hrs.	Cardboard, bottles, fast food containers.

**City of Buckley**  
**Education Efforts associated with the NPDES Phase II Permit**

The Western Washington Phase II Municipal Stormwater Permit (August 2013) requires the City of Buckley to provide an education program designed to educate certain target audiences. These audiences and topics are presented in Tables 1 through 4 along with the education activity provided by the City to address these areas.

**TABLE 1**  
**General Public and Business**  
**Education Efforts for General Awareness**

<b>Education Activity</b>	<b>General Impacts of Stormwater</b>	<b>Impacts from Impervious Surfaces</b>	<b>Impacts of Illicit Discharges</b>	<b>LID (Principles/ BMPs)</b>	<b>Stewardship Opportunities</b>
Utility bill insert on stormwater topics	✓	✓	✓		
Puget Sound posters at library/city hall	✓	✓	✓		
Link to LID Technical Guidance Manual on website				✓	
Draft of SWMP available on City website for comment					✓
Link to Pierce County Conservation District on City website	✓				✓
BMP poster to all restaurants	✓		✓		
Link to EPA website on City's website	✓	✓	✓	✓	
Natural Lawn Care brochure published to website	✓			✓	
Make available free car wash kit to fundraising entities complete with brochure	✓	✓	✓		

**TABLE 2**  
**Engineers, Contractors, Developers, and Land Use Planner**  
**Education Efforts for General Awareness**

<b>Education Activity</b>	<b>Tech. Stds. for Stormwater Site and Erosion Control Plans</b>	<b>LID (Principles/ BMPs)</b>	<b>Stormwater Treatment and Flow Control BMPs/facilities</b>
Pamphlet passed out with permits			✓
Link to LID Technical Guidance Manual on website	✓	✓	✓

**TABLE 3**  
**General Public and Business**  
**Education Efforts for Behavior Change**

<b>Education Activity</b>	<b>Use and Storage of Automotive Chemicals, Hazardous Cleaning Supplies, Carwash Soaps and other Haz. Materials</b>	<b>Equipment Maintenance</b>	<b>Prevention of Illicit Discharges</b>
Survey sent to citizens to measure effectiveness of City's education program			✓
BMP poster to all restaurants in the city	✓		✓

**TABLE 4**  
**Residents, Landscapers and Property Managers/Owners**  
**Education Efforts for Behavior Change**

<b>Education Activity</b>	<b>Yard Care Techniques</b>	<b>Use/Storage of Pesticides/Fertilizers/Household Chemicals</b>	<b>Carpet Cleaning and Auto Repair/Maintenance</b>	<b>Vehicle/Equipment/Home Building Maintenance</b>
Natural Yard Care Workshop	✓			
Rain barrel workshop w/ Conservation District	✓			
<b>Education Activity</b>	<b>Pet Waste Management</b>	<b>LID (Principles/BMPs)</b>	<b>Stormwater Facility Maintenance</b>	<b>Dumpster / Trash Compactor Maintenance</b>
Rain barrel workshop w/ Conservation District		✓		



# City of Buckley

P.O. Box 1960 w Buckley, WA 98321w (360) 829-1921 ext. 7801

## 2008-2015 Education & Outreach Tracking Form

Program	Component	Activity Type	Date Completed	Follow-up	Quantity
General Stormwater Info	Adopted SWMP	Posted to website	02/26/08	Ongoing	N/A
	Revised 2015 SWMP	Posted to website	03/28/15	Ongoing	N/A
	Stormwater Website	Created/Launched	02/26/08		N/A
		Maintained	Ongoing	Ongoing	N/A
		Website Hits/Yr	01/01/16	Will begin monitoring - 2016	N/A
	Flyers (Newsletter)	Mailed Utility Customer Newsletter	06/10/09	8/1/10, 8/1/11, 11/15/12, 2/15/13, 10/15/14 & 3/1/15	1,705
	Restaurant BMP to Businesses	Brochure	10/01/15	Ongoing	79
Household Hazardous Waste	Flyers (see General Stormwater Info)	Mailed Utility Customer Newsletter	06/10/09	8/1/10, 8/1/11, 11/15/12, 2/15/13, 10/15/14 & 3/1/15	1,705
	Brochure available at City	Printed and displayed	06/10/09	Ongoing	N/A
Illegal Dumping and Littering	Flyers (see General Stormwater Info)	Mailed Utility Customer Newsletter	06/10/09	8/1/10, 8/1/11, 11/15/12, 2/15/13, 10/15/14 & 3/1/15	1,705
	CB Markers	Obtained	Summer 2009		300
		Installed	Summer 2009		300
	Post signs at detention ponds	Installed	06/15/09		4

	BMC 14.30 IDDE - Updates		Ord. 19-14		
Gardening and Lawn Care Activities	Flyers (see General Stormwater Info)	Mailed Utility Customer Newsletter	06/10/09	8/1/10, 8/1/11, 11/15/12, 2/15/13, 10/15/14 & 3/1/15	1,705
	Brochure "Integrated Pest Management"	Posted to website	08/14/08		N/A
	Brochure "Natural Lawn Care"	Posted to website	07/01/15	07/01/15	1,687
	Natural Yardcare Workshop (TPCHD)	Public Workshop	02/01/12		15 (est)
	Natural Yardcare Workshop (TPCHD)	Public Workshop	02/08/12		18 (est)
	Natural Yardcare Workshop (TPCHD)	Public Workshop	02/15/12		15 (est)
	Rain Barrel Workshops (PCSCS)	Public Workshop	6/25/15 & 9/24/15	10/2/13, 4/21/14, 8/21/14, 6/25/15 & 9/24/15	160
Low Impact Development	LID Guidelines (Transportation)	Adopted	02/25/08		N/A
		Posted to website	02/26/08		N/A
	LID Guidelines (by reference)	Adopted	12/09/14		
	LID Brochure	Distributed to developers	Being Developed		
Target Survey	Stormwater System Survey (Public)	Mailed Utility Customers	03/01/16	03/01/16	1,787