



Prepared for
The City of Mount Vernon

Mount Vernon Phase II Municipal Stormwater Permit Annual Report

March 2015



Submittals WQWebSubmittal

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Annual Report

Question Number	Permit Section	Questions
1	S5.A.2	Attach updated annual Stormwater Management Program Plan (SWMP Plan). (S5.A.2) Saved Document Name: Mount Vernon_SWMP2015 FINAL 20_1_03262015031626.pdf
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
4b	S5.A.5.b	Attach a written description of internal coordination mechanisms. (Required to be submitted no later than March 31, 2015, S5.A.5.b) Saved Document Name: Q4b Internal Coordination Mech_4b_03262015031626.pdf
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. Saved Document Name: Q5 Public Outreach and Education Attachments_5_03262015_1006.pdf
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) SWMP was posted on City's website and was presented to City Council in a public meeting with comment opportunity. Notices were posted in newspaper, internet, and announcements were made during televised council meetings. Process includes posting SWMP on internet for public comment prior to presentation at Public Works committee meeting. Public will be informed via newspaper, internet, and public television. Committee meeting is open to public.
9		Posted the updated SWMP Plan and latest annual report on your website no later than May 31. (S5.C.2.b)

	S5.C.2.b	Yes
9b	S5.C.2.b	List the website address. http://www.mountvernonwa.gov/index.aspx?NID=426
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 Conduct ongoing video surveys of buried pipes for condition assessment and detecting illicit connections. Have spill hotline and response program for responding to illicit discharges.
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) 19
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) 360-336-6204
15b	S5.C.3.c.ii	Number of hotline calls received. 6
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) The City of Mount Vernon contracts with Skagit Conserveation District to conduct public education and outreach activities. The City also works with Skagit Health District to talk with Mount Vernon businesses about stormwater pollution, and made 58 visits to businesses in 2014 to talk about sources of stormwater pollution, inspect sites, and send follow-up letters if needed.
18		Implemented an ongoing program to characterize, trace, and eliminate illicit discharges into the MS4 per S5.C.3.d.

	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) 11
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 Saved Document Name: Q20 2014 IDDE Report_20_03262015_1009.pdf
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. 28
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. 13
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. 13
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) 3
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.
		Yes
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) 212
46c	S5.C.5.b	Number of facilities inspected during the reporting period. (S5.C.5.b) 228
46d	S5.C.5.b	Number of facilities for which maintenance was performed during the reporting period. (S5.C.5.b) 74
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) Not Applicable
49b	S5.C.5.d	Number of known catch basins. 5592
49c	S5.C.5.d	Number of catch basins inspected during the reporting period. 1921
49d	S5.C.5.d	Number of catch basins cleaned during the reporting period. 1647
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		Implemented an ongoing training program for Permittee employees whose primary construction, operations or maintenance job functions may impact stormwater quality. (S5.C.5.g.)

	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) Not Applicable
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) Not Applicable
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
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
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) Yes
61	G3	Number of G3 notifications provided to Ecology. 3
62	G3.A	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A. Yes
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		

Attachments:

View Files Attached to Submission

	DocDescr	DocName	DocExt	DocID	SubID	AppName
<input type="button" value="View"/>	Submitted Copy of Record for City of Mount Vernon	Copy of Record CityofMountVernon Monday March 30 2015	.pdf	345253	1489947	wqwebportal
<input type="button" value="View"/>	Submitted Cover Letter for City of Mount Vernon	Cover Letter CityofMountVernon Monday March 30 2015	.pdf	345254	1489947	wqwebportal
<input type="button" value="View"/>	WAR045553_1_03262015031626	Mount Vernon_SWMP2015 FINAL 20_1_03262015031626.pd	.pdf	344636	1489947	wqwebportal
<input type="button" value="View"/>		Q20 2014 IDDE Report_20_03262015_1009.pdf	.pdf	344440	1489947	wqwebportal
<input type="button" value="View"/>	WAR045553_4b_03262015031626	Q4b Internal Coordination Mech_4b_03262015031626.p	.pdf	344637	1489947	wqwebportal
<input type="button" value="View"/>		Q5 Public Outreach and Education Attachments_5_032	.pdf	344433	1489947	wqwebportal

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Water Quality Program

Permit Submittal Electronic Certification

Permittee: MOUNT VERNON CITY

Permit Number: WAR045553

Site Address: 1024 CLEVELAND AVE
Mount Vernon, WA 98273

Submittal Name: MS4 Annual Report Phase II Western

Version: 1

Due Date: 3/31/2015

Questionnaire

Number	Permit Section	Question	Answer
1	S5.A.2	Attach updated annual Stormwater Management Program Plan (SWMP Plan). (S5.A.2)	Mount Vernon_SWMP2015 FINAL 20_1_03262015031626.pdf
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7b	S5.C.1.b	Attach description of how this requirement was met.	

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9b	S5.C.2.b	List the website address.	http://www.mountvernonwa.gov/index.aspx?NID=426
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
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13	S5.C.3.c.i	Implemented procedures for conducting illicit discharge investigations in accordance with S5.C.3.c.i.	Yes
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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)	360-336-6204
15b	S5.C.3.c.ii	Number of hotline calls received.	6
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
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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.	28
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46b	S5.C.5.b	Number of known municipally owned or operated stormwater treatment and flow control BMPs/facilities. (S5.C.5.b)	212
46c	S5.C.5.b	Number of facilities inspected during the reporting period. (S5.C.5.b)	228
46d	S5.C.5.b	Number of facilities for which maintenance was performed during the reporting period. (S5.C.5.b)	74
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49b	S5.C.5.d	Number of known catch basins.	5592
49c	S5.C.5.d	Number of catch basins inspected during the reporting period.	1921

49d	S5.C.5.d	Number of catch basins cleaned during the reporting period.	1647
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)	Not Applicable
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)	Not Applicable
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
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
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)	Yes
61	G3	Number of G3 notifications provided to Ecology.	3
62	G3.A	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A.	Yes

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.

Blaine Chesterfield

3/30/2015 4:18:53 PM

Signature

Date

Washington Department of Ecology Submission Cover Letter

**WQWebSubmittal - Submittal Submission Id: 1489947 - 3/30/2015
4:18:54 PM**

Report Received Dated:

3/30/2015 4:18:55 PM

Company Name	Signer Name	System Name
City of Mount Vernon	Blaine Chesterfield	WQWebPortal

Attachments:

Document Name of Description	Document File Name
Submitted Copy of Record for City of Mount Vernon	Copy of Record CityofMountVernon Monday March 30 2015
WAR045553_1_03262015031626	Mount Vernon_SWMP2015 FINAL 20_1_03262015031626.pd
	Q20 2014 IDDE Report_20_03262015_1009.pdf
WAR045553_4b_03262015031626	Q4b Internal Coordination Mech_4b_03262015031626.p

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

**For Ecology Use Only ---
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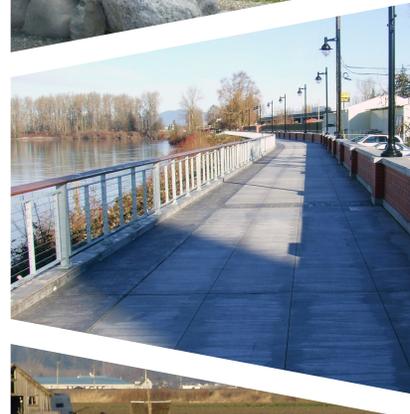
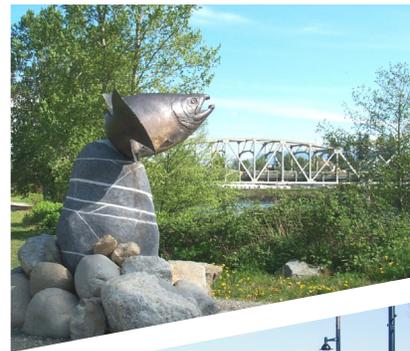


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April 2015

City of Mount Vernon

2015 Stormwater Management Program



City of Mount Vernon 2015 Stormwater Management Program

Prepared for
City of Mount Vernon, Washington
March 2015

City of Mount Vernon 2015 Stormwater Management Program

Prepared for
City of Mount Vernon, Washington
March 2015



701 Pike Street, Suite 1200
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List of Abbreviations

2005 Ecology Manual	Stormwater Management Manual for Western Washington (2005)	SWMP	Stormwater Management Program
2012 Ecology Manual	Stormwater Management Manual for Western Washington (2012)	SWMP Plan	written documentation of the SWMP
BMP	best management practice	SWPPP	stormwater pollution prevention plan
CAO	City Attorney's Office	TMDL	total maximum daily load
CED	Community and Economic Development (Department)	WLA	waste load allocation
City	City of Mount Vernon	WWCPA	Washington Wastewater Collection Personnel Association
CSO	combined sewer overflow		
CWA	Clean Water Act		
E&O	education and outreach		
Ecology	Washington State Department of Ecology		
EPA	U.S. Environmental Protection Agency		
IDDE	illicit discharge detection and elimination		
IPM	Integrated Pest Management Plan		
IS	Information Services		
LA	load allocation		
LID	low-impact development		
MEP	maximum extent practicable		
MS4	municipal separate storm sewer system		
NOI	Notice of Intent		
NPDES	National Pollutant Discharge Elimination System		
O&M	operation and maintenance		
PCHB	Pollution Control Hearings Board		
Phase II Permit	Western Washington Phase II Municipal Stormwater Permit		
PSSH	Puget Sound Starts Here		
QAPP	Quality Assurance Project Plan		
Road Map	Roads Operations and Maintenance Regional Coordination Program		
RSMP	Regional Stormwater Monitoring Program		
SCD	Skagit Conservation District		
SIDIR	Source Identification Information Repository		
SOG	Stormwater Outreach Group		
SOP	standard operating procedure		
STORM	Stormwater Outreach for Regional Municipalities		

Section 1

Introduction

This document presents the City of Mount Vernon’s Stormwater Management Program (SWMP). Preparation and maintenance of this SWMP Plan is required by the Washington State Department of Ecology (Ecology) as a condition of the Western Washington Phase II Municipal Stormwater Permit (Phase II Permit). The Phase II Permit covers discharges from regulated small municipal separate storm sewer systems (MS4s). Based on criteria outlined in the Phase II Permit, Ecology considers the City of Mount Vernon (City) to be an operator of a small MS4, and the City is therefore required to comply with the Permit.

The Phase II Permit is a requirement of the federal Clean Water Act (CWA), which is intended to protect water quality and restore waters for “fishable, swimmable” uses. The federal Environmental Protection Agency (EPA) has delegated permit authority to Ecology and the Permit has the force of both state and federal law.

Each municipality’s permit for discharging stormwater is designed to reduce the discharge of pollutants, protect water quality, and meet the requirements of the CWA. Phase II Permit requirements include making programmatic updates over time and this SWMP Plan has been revised accordingly.

Appendix A includes abbreviations and definitions from the Permit to help the reader understand the City’s SWMP.

1.1 The Stormwater Problem

Stormwater is an identified problem for receiving water quality. The following section from the Ecology’s Fact Sheet for the Phase II Permit describes some of the relevant issues.

Stormwater runoff is the leading pollution threat to lakes, rivers, streams, and marine water bodies in urbanized areas of Washington State. The large impervious surfaces in urban areas increase the quantity and peak flows of runoff, which in turn cause hydrologic impacts such as scoured streambed channels, in-stream sedimentation, and loss of habitat. Impacts from stormwater are highly site-specific and vary geographically due to differences in local land use conditions, hydrologic conditions, and the type of receiving water.

The following is a list of typical impacts caused by stormwater discharges:

- **Human health:** In general, untreated stormwater is unsafe. It contains toxic metals, organic compounds, and bacteria. Untreated stormwater is not safe for people to drink, and is not recommended for swimming.
- **Drinking water:** In some areas of Washington, notably Spokane County and parts of Pierce and Clark counties, gravelly soils allow rapid infiltration of stormwater. Untreated stormwater discharging to the ground could contaminate aquifers that are used for drinking water.
- **Salmon habitat:** Urban stormwater degrades salmon habitat in streams through effects on hydrologic flows and toxicity. Paved surfaces cause greater winter stormwater flows that erode stream channels, destroying spawning beds. Also, because stormwater does not infiltrate during the wet season, streams can lose summertime base flows, drying out habitat needed for salmon rearing. Toxic chemicals in stormwater harm the immature fish and the adults returning to spawn. The following two studies have identified concerns:

- Ecology and Pierce County recently conducted in situ trout toxicity testing studies. Pierce County found no significant toxicity in four urban streams in 2008.¹ However, Ecology identified the following chemical stressors that were capable of causing adverse effects that were detected on the native trout embryos and pre-swim-up fry: copper, lead, nickel, zinc, polycyclic aromatic hydrocarbons, and the agricultural fungicide Captan.²
 - During the past decade, surveys of spawning adult Coho salmon in Seattle found that very high percentages of adult females (up to 90 percent) were dying before they could spawn. Although the precise causes of these acute die-offs are not yet known, stormwater pollution is likely involved. The problem appears to be widespread throughout urban streams in Puget Sound and is under active scientific investigation.³
 - **Shellfish industry:** Washington State’s multimillion-dollar shellfish industry is increasingly threatened by closures due to stormwater contamination.
 - **Degraded water bodies:** In urban and urbanizing areas across Washington State, residential, commercial, and industrial land development has changed land cover and drastically altered stream channels. The impacts of urban land development have severely degraded, and will in many cases permanently destroy, fish resources and other beneficial uses of Washington’s waters.
- Ecology, “*Fact Sheet for the Western Washington Phase II Municipal Stormwater Permit*,” 2011

The City manages a number of complex systems potentially affecting stormwater. The City is involved in efforts that go beyond the scope of many larger municipalities including, but not limited to, river flood control operations, managing the City storm drain system, and operating sewage treatment facilities. While the City has long had a commitment to clean water and, as a result, is currently in compliance with state and federal requirements, it must now look toward meeting the demands of the new Phase II Permit, described in detail in Section 1.2 below.

1.2 Regulatory Background

The National Pollutant Discharge Elimination System (NPDES) permit program is a requirement of the federal Clean Water Act, which is intended to protect and restore waters for “fishable, swimmable” uses. The EPA has delegated permit authority to state environmental agencies, and these agencies can set permit conditions in accordance with and in addition to the minimum federal requirements. In Washington, Ecology is the NPDES-delegated permit authority.

Municipalities with populations of more than 100,000 (as of the 1990 census) have been designated as Phase I communities and must comply with Ecology’s Phase I NPDES Municipal Stormwater Permit. With Mount Vernon’s population below the 100,000 threshold, the City must comply with the Phase II Municipal Stormwater Permit. About 100 other municipalities in Washington must also now comply with the Phase II Permit. Ecology’s Phase II Permit is available on Ecology’s Web site at <http://www.ecy.wa.gov/programs/wq/stormwater/municipal/index.html>.

¹ Nautilus Environmental, 2009. Pierce County Public Works and Utilities: Countywide Water Quality Monitoring Plan. *Pilot Test: Rainbow Trout Early Life Stages In-situ Bioassay*, Final Report submitted to Brown and Caldwell.

² Randall Marshall and Brandee Era-Miller. 2011, in preparation. *Integrated Ambient Monitoring Pilot Report, Potential Causes for the Impairment of Rainbow Trout Early Lifestages Exposed in Indian Creek for 34 Days and Loss of Diversity in the Instream Benthic Communities*, Washington State Department of Ecology.

³ McCarthy, Sarah G, John P. Incardona, and Nathaniel L. Scholz. 2008. *Coastal Storms, Toxic Runoff, and the Sustainable Conservation of Fish and Fisheries*, American Fisheries Society Symposium 64:000-000.

The Permit allows municipalities to discharge stormwater runoff from municipal drainage systems into the state's water bodies (i.e., streams, rivers, lakes, and wetlands) as long as municipalities implement programs to protect water quality by reducing the discharge of "nonpoint source" pollutants to the "maximum extent practicable" (MEP) through application of Permit-specified "best management practices" (BMPs). The BMPs specified in the Permit are collectively referred to as the Stormwater Management Program (SWMP) and grouped under the following SWMP components:

- Public Education and Outreach (E&O)
- Public Involvement
- Illicit Discharge Detection and Elimination (IDDE)
- Controlling Runoff from New Development, Redevelopment, and Construction Sites
- Pollution Prevention and Municipal Operation and Maintenance (O&M)
- Monitoring and Assessment

The original Phase II Permit issued by Ecology became effective on February 16, 2007, with an expiration date of February 15, 2012. On June 17, 2009, Ecology released a modified version of the 2007 Permit, which changed some of the requirement deadlines. In 2011 the Washington State Legislature passed and the governor signed ESHB 1478, authorizing Ecology to issue a new Permit, unchanged from the existing permit with effective dates from August 2012 to August 2013. Despite a gap between the Permit effective dates, the Permittees were required to continue to meet all requirements of the 2007 Permit through August 2013. An updated Permit was issued in August 2012 effective from August 2013 to August 2018; it was subsequently modified in January 2015 to reflect the outcomes of appeals made to the Pollution Control Hearings Board (PCHB). The 2015 SWMP incorporates updated requirements under the latest Permit.

A summary schedule of requirements and deadlines contained in the 2013–18 Permit was developed by the Cities of Covington and SeaTac for use by other cities and is included as a reference in Appendix B to this SWMP Plan. The Permit requires the City to report annually (March 31 of each year) on progress in SWMP implementation for the prior year. The Permit also requires submittal of documentation that describes proposed SWMP activities for the coming year. Implementation of various Permit conditions is phased in over the 5-year Permit cycle.

Ecology has published an updated 2012 Stormwater Management Manual for Western Washington (2012 Ecology Manual) to correspond with new requirements in the Permit. The City has adopted the 2005 Ecology Manual, which will remain in effect until the City adopts an updated manual (Ecology's or an approved equivalent), which is required by December 31, 2016.

1.3 City of Mount Vernon Regulated Area

The Phase II Permit applies to operators of regulated small MS4s that discharge stormwater to waters of Washington State located west of the crest of the Cascade Range (west of the eastern boundaries of Whatcom, Skagit, Snohomish, King, Pierce, Lewis, and Skamania Counties). For cities, the Permit requirements extend only to those areas of each city that drain to MS4s. In Mount Vernon, much of the downtown area drains to a combined sewer overflow (CSO) system, which sends runoff to the wastewater treatment plant before entering the Skagit River. The CSO discharge area is covered under a permit separate from the Phase II Permit.

1.4 Total Maximum Daily Load Compliance

For stormwater discharges covered under this Permit, Permittees are required to implement actions necessary to achieve the pollutant reductions called for in applicable total maximum daily loads (TMDLs). A TMDL is based on calculations of the maximum amount of a pollutant a water body can receive and still

meet water quality standards. Applicable TMDLs are those that have been approved by the EPA before the issuance date of the Permit or have been approved by the EPA prior to the date the Permittee’s application is received by Ecology. Information on Ecology’s TMDL program is available on Ecology’s Web site at www.ecy.wa.gov/programs/wq/tmdl.

Ecology reviewed all TMDLs approved by EPA prior to Permit issuance, to determine whether municipal stormwater sources were identified in the TMDL. When most of these TMDLs were developed, municipal stormwater was considered a subset of nonpoint discharges, rather than a permitted discharge. As a result, very few TMDLs statewide contain requirements for municipal stormwater sources. Few TMDLs completed to date have established load allocations (LAs) or waste load allocations (WLAs) for municipal stormwater discharges covered under this Permit.

Appendix 2 of the Permit lists the cities and counties affected by TMDLs that were approved by EPA prior to Permit issuance. While the City of Mount Vernon has not been listed in Appendix 2, there are water quality impairments (CWA section 303[d] “listings”) within the City that could potentially trigger TMDLs within the next Permit cycle (2013–18).

1.5 SWMP Implementation Responsibilities

The Public Works Department will be coordinating the overall administration of efforts to comply with Permit requirements. The Community and Economic Development (CED) Department will play a large role in the implementation of Permit program activities such as inspections, Permit review, code revisions, etc. The City has contracted with the Skagit Conservation District (SCD) to implement the Public Education and Outreach requirements of the Permit. The Skagit County Public Health Department conducts septic system inspections and a local source control program that help to educate citizens and businesses about stormwater pollution. Table 1-1 summarizes participant responsibilities for ensuring future Permit compliance. Sections 2 through 8 highlight the planned efforts of these departments and entities in more detail.

Table 1-1. SWMP Implementation Responsibilities		
Program component	City departments	Outside entities ^a
Stormwater Management Program	<ul style="list-style-type: none"> Public Works Finance Information Services (IS) City Attorney’s Office (CAO) 	
Public education and outreach	<ul style="list-style-type: none"> Public Works IS 	SCD Skagit County Public Health Department
Public involvement	<ul style="list-style-type: none"> Public Works IS 	SCD
Illicit discharge detection and elimination	<ul style="list-style-type: none"> Public Works CED Fire Department IS 	
Runoff controls	<ul style="list-style-type: none"> Public Works CED CAO 	
Pollution prevention and municipal operation and maintenance	<ul style="list-style-type: none"> Public Works CED 	



Table 1-1. SWMP Implementation Responsibilities		
Program component	City departments	Outside entities ^a
	<ul style="list-style-type: none"> • CAO • Parks and Recreation • Facilities 	
Water quality monitoring	<ul style="list-style-type: none"> • Public Works • CED 	SCD

^a The Stormwater Outreach for Regional Municipalities (STORM) and Stormwater Work Group are outside entities that the City participates in and are resources for compliance assistance.

1.6 Document Organization

The contents of this document are based upon Permit requirements and Ecology’s “Guidance for City and County Annual Reports for Western Washington, Phase II Municipal Stormwater Permits.” The organization of the remainder of this SWMP is modeled after that of the Permit:

- **Section 2** addresses Permit requirements for administering the City’s SWMP for 2015.
- **Section 3** addresses Permit requirements for public E&O for 2015.
- **Section 4** addresses Permit requirements for public involvement and participation for 2015.
- **Section 5** addresses Permit requirements for IDDE for 2015.
- **Section 6** addresses Permit requirements for controlling runoff from new development, redevelopment, and construction sites for 2015.
- **Section 7** addresses Permit requirements for municipal O&M for 2015.
- **Section 8** addresses Permit requirements for water quality monitoring and assessment for 2015.
- **Section 9** summarizes the City’s compliance activities.
- **Appendix A** provides abbreviations and definitions from the Permit.
- **Appendix B** provides a preliminary 2013–18 Western Washington Phase II Municipal Stormwater Permit Implementation Schedule (courtesy of cities of Covington and SeaTac)
- **Appendix C** provides the current City stormwater system map.

Each section includes a summary of the relevant Permit requirements and a description of current and planned compliance activities.

Section 2

Stormwater Management Program Administration

This section of the SWMP provides a description of Permit requirements related to overall SWMP administration, including descriptions of the City's current and planned compliance activities for 2015.

2.1 Permit Requirements

The Permit (Section S5.A) requires the City to perform the following tasks:

- Implement a SWMP and prepare written documentation (SWMP Plan) for submittal to Ecology on March 31 of each year, including annual updates to the SWMP. The purpose of the SWMP is to reduce pollutant discharge from the municipal stormwater system to the maximum extent practicable and thereby protect water quality.
- Submit the SWMP Plan for the new calendar year with annual compliance reports for the previous calendar year to Ecology by March 31, summarizing implementation status and providing information from assessment and evaluation procedures collected during the reporting period. Annual compliance reporting will commence in March 2015 (for the 2014 reporting year). The SWMP Plan for 2015 will be submitted to Ecology by March 31, 2015.
- Coordinate with other Permittees on stormwater-related policies, programs, and projects within adjacent or shared areas, and internal coordination among departments of each jurisdiction. The annual compliance report to be submitted in 2015 will include a description of internal coordination mechanisms.

2.2 Current Compliance Activities

The City currently has activities and programs that address the Permit requirements. The current compliance activities associated with the Permit include the following:

- The City has defined roles and responsibilities and developed standard operating procedures (SOPs) for completing updates to future SWMP documents and the Annual Compliance Report annually.
- The City maintains a cost accounting database for tracking annual Permit costs.
- The City maintains a training database for tracking and documenting compliance with all NPDES-related training.
- The City continues to coordinate with external entities such as the SCD, Sedro-Woolley, Burlington, Anacortes, and Skagit County.
- The City meets quarterly with The North Sound NPDES Municipal Stormwater Permit Phase I/II Forum to discuss stormwater policies and projects in the area.
- The City participates in the regional forums under Stormwater Outreach for Regional Municipalities (STORM), NPDES Permit coordinators, and Operations and Maintenance Regional Coordination Program (Road Map).

2.3 Planned 2015 Compliance Activities

The City has positioned itself well to maintain compliance as Ecology phases in the future Permit requirements. Actions recommended for continued compliance are included in Table 2-1, which presents the work plan for the 2015 SWMP administration activities.

Table 2-1. 2015 Stormwater Management Program Administration Work Plan				
Task ID	Task description	Lead	Support	Compliance time frame
SWMP-1	Continue development of existing NPDES SWMP cost accounting strategy and tracking system. Train staff on new system.	Public Works, Finance		City maintains cost-tracking database.
SWMP-2	Continue use of NPDES training management structure and tracking system.	Public Works, IS	All	City maintains NPDES training database.
SWMP-3	Define and implement strategy/system for managing SOPs that are used among multiple departments.	Public Works, Finance	CAO	Ongoing.
SWMP-4	Summarize annual activities for “Stormwater Management Program” component of Annual Report; identify any updates to SWMP document.	Public Works, Finance	All	The SWMP and Annual Compliance Report submittal for the previous year is due on or before March 31 of each year.
SWMP-5	Coordinate with other Permittees on stormwater-related policies, programs, and projects within adjacent or shared areas.	Public Works	All	Local jurisdictions meet quarterly to discuss stormwater-related policies and programs. Continue to follow STORM, APWA NPDES Permit coordinators, and Road Map forums. Monitor the State Stormwater Work Group.
SWMP-6	Document coordination mechanisms among departments within the Permittee’s jurisdiction.	Public Works	All	Documentation of internal coordination to be included in annual compliance report due March 2015.

Section 3

Public Education and Outreach

This section provides a description of the Permit requirements related to public education and outreach (E&O), including descriptions of the City's current and planned compliance activities for 2015.

3.1 Permit Requirements

The Permit (Section S5.C.1) requires the City to perform the following tasks:

- Implement an E&O program designed to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts. The program shall be designed to educate target audiences (e.g., the general public, businesses, homeowners, students, developers, City employees, etc.) about the stormwater problem and actions they can take to minimize the problem.
- Create stewardship opportunities to encourage participation in activities such as stream teams, storm drain marking, volunteer monitoring, riparian plantings, and education activities.
- Measure the understanding and adoption of the targeted behaviors for at least one targeted audience in at least one subject area. Use the resulting measurements to direct E&O resources no later than February 2, 2016. This requirement can be met individually or as a member of a regional group.
- Track and maintain records of public E&O activities.

3.2 Current Compliance Activities

The City currently contracts with the SCD to conduct numerous E&O activities that address stormwater management. Skagit County also assists the City with stormwater education and outreach through its "On Site Sewage Program" that informs citizens and businesses on septic system operation and maintenance. Skagit County and SCD's current activities and programs address the Permit requirements. These programs address the general public, residents/homeowners, developers, City staff, contractors, businesses, engineers, and schoolchildren. The City has also been using the City cable TV channel to broadcast information about stormwater.

SCD tracks all of its E&O efforts and attendees to workshops in Excel databases and Word documents. Skagit County also documents all inspections and businesses visited in spreadsheets. These documents are submitted to the City annually.

The City Information Services Department tracks the number of times videos and commercials are played relating to stormwater.

The City is participating in the STORM group to help identify appropriate program evaluation techniques to measure improvements in stormwater quality from E&O efforts.

3.3 Planned 2015 Compliance Activities

The City has an existing stormwater public E&O program that meets the requirements of the Permit. The City will continue to partner with SCD in 2015 to carry on similar activities as those listed in Section 3.2. Actions recommended for continued compliance are included in Table 3-1, which presents the work plan for the 2015 public education and outreach activities.

Table 3-1. 2015 Public Education and Outreach Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
EDUC-1	Coordinate with SCD, APWA, STORM, and other regional efforts to implement the E&O Plan.	Public Works	SCD	Ongoing.
EDUC-2	Continue collaboration with other NPDES municipalities and the STORM group to identify appropriate program evaluation techniques.	Public Works	SCD and STORM	Ongoing.
EDUC-3	Continue to implement E&O strategy with SCD to supplement existing activities.	Public Works	SCD IS	Ongoing.
EDUC-4	Continue developing the process to evaluate understanding and adoption of target behaviors.	Public Works	SCD and STORM	Ongoing.
EDUC-5	Summarize annual activities for “Public Education and Outreach” component of Annual Report; identify any updates to SWMP document.	Public Works	SCD	The SWMP and Annual Compliance Report submittal is due on or before March 31 of each year.
EDUC-6	Create stewardship opportunities and/or partner with existing organizations to encourage residents to participate in activities such as stream teams, storm drain marking, volunteer monitoring, riparian plantings, and education activities.	Public Works	SCD and STORM	Ongoing.
EDUC-7	Measure the understanding and adoption of the targeted behaviors for at least one targeted audience in at least one subject area. This requirement can be met individually or as a member of a regional group.	Public Works	SCD and STORM	Complete prior to the end of 2015 to meet EDUC-8 requirements
EDUC-8	Use the measurements resulting from EDUC-7 to direct E&O resources no later than February 2, 2016.	Public Works	SCD	February 2, 2016

Section 4

Public Involvement

This section provides a description of the Permit requirements related to public involvement, including descriptions of the City's current and planned compliance activities for 2015.

4.1 Permit Requirements

The Permit (Section S5.C.2) requires the City to perform the following tasks:

- Provide ongoing opportunities for public involvement through advisory boards or commissions, public hearings, watershed committees, and public participation in developing rate structures and budgets, or other similar activities. The public must be able to participate in the decision-making processes, including development, implementation, and updates of the SWMP.
- Make the SWMP and Annual Compliance Report available to the public, including posting it on the City's Web site by May 31 of each year. Make any other documents required by the Permit to be submitted to Ecology available to the public.

4.2 Current Compliance Activities

The City currently has activities and programs that address the Permit requirements. The current compliance activities associated with the Permit include the following:

- The City has defined a series of public involvement activities intended to meet the Permit requirements for public involvement in development of the 2015 SWMP Plan. This process involves a presentation of the proposed SWMP elements at a public meeting before the City Council Public Works Committee.
- The City posted the Draft SWMP Plan on the City's Web site, made announcements on the City cable TV channel (TV10), and sent announcements to the Skagit Valley Herald for public comments prior to the public hearing.
- The City will make the 2015 Final SWMP Plan available to the public on the City's Web site, at the public library, and in the Public Works Department main office building.

4.3 Planned 2015 Compliance Activities

The City has an existing stormwater public involvement program that meets the Permit requirements. Actions recommended for continued compliance are included in Table 4-1, which presents the work plan for the 2015 public involvement activities.

Table 4-1. 2015 Public Involvement Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
PI-1	Implement public involvement opportunities for annual SWMP update and reporting process.	Public Works		Prior to finalizing SWMP.
PI-2	Make SWMP and Annual Compliance Report available to the public by posting it on the City Web site, public library, and in the Public Works Department building. Post announcements on Web site and in newspaper.	Public Works	IS	The SWMP and Annual Compliance Report public posting is due on or before May 31 of each year.
PI-3	Summarize annual activities for the "Public Involvement and Participation" component of the Annual Report; identify any updates to the SWMP document.	Public Works	SCD	Due on or before March 31 of each year.

Section 5

Illicit Discharge Detection and Elimination

This section provides a description of the Permit requirements related to IDDE, including descriptions of the City's current and planned compliance activities for 2015.

5.1 Permit Requirements

The Permit (Section S5.C.3) requires the City to perform the following tasks:

- Implement an ongoing program to prevent, detect, characterize, trace, and eliminate illicit connections and discharges into the MS4. Maintain a storm sewer system map that includes stormwater system information identified in the Permit (e.g., outfalls, receiving waters, etc.).
- Implement ordinances that prohibit illicit discharges, and a compliance strategy that ensures maintenance standards necessary to detect and address illicit discharges. The ordinance or other regulatory mechanism shall be revised (if needed to meet Permit requirements) no later than February 2, 2018.
- Maintain an ongoing program to detect and identify non-stormwater discharges and illicit connections and to address illicit discharges to the MS4.
- Develop procedures for and complete field screening of at least 40 percent of the MS4 no later than December 31, 2017, and on average 12 percent each year thereafter, and document field screening methodology in Annual Compliance Report.
- Publicly list and publicize a hotline or other local telephone number for public reporting of spills and other illicit discharges. Track through closeout any illicit discharge reports and actions taken in response, including enforcement actions.
- Maintain an ongoing training program for City staff that may come into contact with or respond to illicit connections or discharges. Train field staff on proper IDDE response procedures and processes and municipal field staff to recognize and report illicit discharges.
- Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.
- Summarize all illicit discharges and connections reported to the City and response actions taken (including enforcement actions) in the Annual Compliance Report; identify any IDDE updates to the SWMP.

5.2 Current Compliance Activities

The City currently has activities and programs that address the Permit requirements. The current compliance activities associated with the Permit include the following:

- The City maintains much of its storm sewer information system in an electronic format and has produced a storm sewer system map that is updated as new data become available. See Appendix C for a recent version of the City storm sewer system map. The City is continuing to field-verify the City stormwater system in order to validate the City's GIS network model.
- The City's Web site lists the public hotline to report illicit discharges and/or spills.
- The City records all phone calls received to the Public Works Department. The calls reporting illicit discharges are then distributed to the appropriate response authority. Follow-up actions are recorded in the same database.
- City has self-administered IDDE training for new employees.
- Regular online refresher trainings are conducted for City departments.
- The City conducted inspections of portions of the storm sewer system, including screening for illicit discharges and connections.
- The City conducted dry weather visual inspection of outfalls from the Trumpeter Creek drainage area.
- The City responded to reports of illicit discharges and took appropriate actions to eliminate discharges, including following proper reporting procedures.
- The City maintains a database to track all staff training to ensure that all City staff have the appropriate training.
- The City summarizes all illicit discharges and connections, response actions taken, and enforcement actions in its Annual Compliance Reports.

5.3 Planned 2015 Compliance Activities

The City has an existing IDDE program, but will need to update the program to maintain compliance as Ecology phases in additional Permit requirements. Actions recommended for continued compliance are included in Table 5-1, which presents the work plan for the 2015 IDDE activities.

Table 5-1. 2015 Illicit Discharge Detection and Elimination Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
IDDE-1	Maintain IDDE response process including a standard, citywide IDDE response and enforcement SOPs.	Public Works	CED	Ongoing.
IDDE-2	Continue to implement citywide IDDE Program.	Public Works		Ongoing.
IDDE-3	Continue updating storm system map to address data gaps and Permit conditions.	Public Works		Ongoing.
IDDE-4	Implement SOPs for minimizing pollutant releases from permitted non-stormwater discharges (e.g., fire hydrant system flushing, water line flushing, and dechlorinated swimming pools).	Public Works	CED Fire Department	Ongoing.
IDDE-5	Continue to use issue-tracking and resolution system that includes enforcement actions. Capture feedback from public E&O efforts.	Public Works	IS	Ongoing.
IDDE-6	Refresh self-administered intranet IDDE awareness training for all municipal staff in the field.	Public Works	IS	City maintains self-administered training available for new employees and to periodically refresh previously trained employees.

Table 5-1. 2015 Illicit Discharge Detection and Elimination Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
IDDE-7	Publicize hotline for public reporting of spills and other illicit discharges. Create record-keeping system for all calls received and actions taken to report in annual report each year.	Public Works	CED	Ongoing.
IDDE-8	Tracked the number of illicit connection inspections.	Public Works	CED	Ongoing, City planning to continue conducting TV sewer inspections of storm sewers for condition and illicit connection assessment.
IDDE-9	Maintain map that shows the location of all known municipal separate storm sewer outfalls, receiving waters, and structural stormwater BMPs.	Public Works	CED	Ongoing.
IDDE-10	Perform visual inspection of one of three prioritized receiving water bodies. Kulshan Creek outfalls are targeted for 2015.	Public Works		Complete in 2015.
IDDE-11	Summarize annual activities for “Illicit Discharge Detection and Elimination” component of Annual Report; identify any updates to SWMP.	Public Works		The SWMP and Annual Compliance Report submittal is due on or before March 31 of each year.

Section 6

Controlling Runoff from New Development, Redevelopment, and Construction Sites

This section provides a description of the Permit requirements related to controlling runoff from new development, redevelopment, and construction sites, including descriptions of the City's current and planned compliance activities for 2015.

6.1 Permit Requirements

The Permit (Section S5.C.4) requires the City to perform the following tasks:

- Implement and enforce an updated program to reduce pollutants in stormwater runoff (i.e., illicit discharges) to the MS4 from new development, redevelopment, and construction site activities no later than December 31, 2016. The program must apply to both private and public projects, including roads, and address all construction/development-associated pollutant sources.
- Adopt regulations (codes and standards) and implement plan review, inspection, and escalating enforcement capability necessary to implement the program in accordance with Permit conditions, including the minimum technical requirements in Appendix 1 of the Permit.
- Adopt regulations (codes and standards) and provide provisions to verify adequate long-term operations and maintenance of new post-construction permanent stormwater facilities and BMPs in accordance with Permit conditions, including an annual inspection frequency and/or approved alternative inspection frequency and maintenance standards for private drainage systems as protective as those in Chapter 4 of Volume V of the 2012 Ecology Stormwater Management Manual for Western Washington (2012 Ecology Manual).
- Perform annual inspections of all permanent stormwater treatment and flow control BMPs/facilities discharging to the MS4 that were constructed in accordance with the Permit requirements adopted pursuant to the 2007-2012 permit. This inspection includes facilities on private property, including those associated with single family residences.
- Provide copies of the Notice of Intent (NOI) for construction or industrial activities to representatives of the proposed new development and redevelopment.
- Provide training to staff on updated codes, standards, and SOPs, and create public E&O materials. Develop and define a process to record and maintain all inspections and enforcement actions by staff for inclusion in the Annual Compliance Report.
- Review, revise, and make local development-related codes, rules, standards, or other enforceable documents effective to incorporate and require low-impact development (LID) principles and BMPs, and consider the range of issues outlined in Integrating LID into Local Codes: A Guidebook for Local Governments (Puget Sound Partnership, 2012) no later than December 31, 2016. The summary of results of the review and revision process must be included in the annual compliance report no later than March 31, 2017.

- Summarize annual activities for the “Controlling Runoff” component of the Annual Compliance Report; identify any updates to the SWMP.

6.2 Current Compliance Activities

The City currently has activities and programs that address the Permit requirements. The current compliance activities associated with the Permit include the following:

- The City has developed and implemented SOPs to reduce pollutants in stormwater runoff from new development, redevelopment, and construction site activities. The City enforces this program through the Municipal Code. The City currently addresses the minimum requirements, technical thresholds, and definitions requirements of the Permit and has adopted a new code that became effective in February 2010.
- The City has existing programs, codes, standards, SOPs, and data management systems (City View and Dockstar) addressing many of the Permit requirements. The plan review, inspection, and enforcement SOPs will be refined and updated.
- The City adopted the 2005 Ecology Manual effective February of 2010.
- The City Code has provisions to allow for LID in the Critical Areas Ordinance. The City also encourages the use of LID at the pre-permit application meeting.
- The City completes the required inspections, including development sites prior to construction, future City infrastructure sites during construction, and future City infrastructure sites post-construction.
- The City completes the required inspections for private infrastructure.
- The City records and maintains inspections results in log books.
- The City inspects new flow control and water quality treatment facilities at the required times and frequency.
- NOI forms are available at the customer service desk and are also mentioned in the Pre-permit application meetings for applicable developments.

6.3 Planned 2015 Compliance Activities

The City has a program to help reduce stormwater runoff from new development and construction sites, but updates will be necessary to maintain compliance as Ecology phases in Permit requirements. Table 6-1 presents the work plan for 2015 SWMP activities related to runoff control for new development, redevelopment, and construction sites.

Table 6-1. 2015 Controlling Runoff from New Development, Redevelopment, and Construction Sites Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
CTRL-1	Continue to implement adopted codes, standards, SOPs, and the 2005 Ecology Manual.	Public Works	CED	Ongoing.
CTRL-2	Apply technical thresholds in Appendix 1 to all sites 1 acre or greater.	Public Works	CED	Ongoing.
CTRL-3	Continue evaluating and implementing the City's stormwater permitting, plan review, inspection, enforcement, and record-keeping processes.	Public Works, CED	CAO	Ongoing.
CTRL-4	Track number of inspections, plan reviews, and enforcement.	Public Works	CED	Ongoing.
CTRL-5	Establish program to annually inspect all stormwater treatment flow control facilities (other than catch basins) permitted by the Permittee.	Public Works		Ongoing.
CTRL-6	Conduct staff training and public E&O on implementing Stormwater Manual and Permit requirements.	Public Works	SCD	Ongoing.

Table 6-1. 2015 Controlling Runoff from New Development, Redevelopment, and Construction Sites Work Plan				
Task ID	Task description	Lead	Support	Compliance time frame
CTRL-7	Continue implementing long-term stormwater system operation and maintenance plans for stormwater facilities.	Public Works	CED	Ongoing.
CTRL-8	Summarize annual activities for “Controlling Runoff from New Development, Redevelopment, and Construction Sites” component of Annual Report; identify any updates to SWMP.	Public Works	CED	The SWMP Plan and Annual Compliance Report submittal is due on or before March 31 of each year.
CTRL-9	Begin preparation for adoption of the new Manual and process of reviewing and revising codes and standards in preparation for future compliance deadlines.	Public Works	All	Revisions to codes and standards are due on or before December 31, 2016.

Section 7

Municipal Operations and Maintenance

This section provides a description of the Permit requirements related to municipal operations and maintenance, including descriptions of the City's current and planned compliance activities for 2015.

7.1 Permit Requirements

The Permit (Section S5.C.5) requires the City to perform the following tasks:

- Implement an O&M program, with the ultimate goal of preventing or reducing pollutant runoff from MS4 and municipal O&M activities.
- Implement maintenance standards for the MS4 that are at least as protective as those specified in the 2012 Stormwater Management Manual for Western Washington, no later than December 31, 2016.
- Perform inspections of stormwater flow control and treatment facilities and catch basins in accordance with Permit requirements, unless previous inspection data show that a reduced frequency is justified. Have processes in place to reduce stormwater impacts associated with runoff from all lands owned or maintained by the City, and from municipal O&M activities, including but not limited to those involving streets, parking lots, roads, or highways owned or maintained by the City. Perform inspection of all catch basins and inlets owned and operated by the Permittee at least once no later than August 1, 2017, and every 2 years thereafter in accordance with the Permit.
- Train staff to implement updated processes and document that training.
- Maintain stormwater pollution prevention plans (SWPPPs) for all heavy equipment maintenance or storage yards identified for year-round facilities or yards, and material storage facilities owned or operated by the City.
- Summarize annual activities for the "Municipal Operations and Maintenance" component of the Annual Compliance Report; identify any updates to the SWMP.

7.2 Current Compliance Activities

The City currently has activities and programs that address the Permit requirements. The current compliance activities associated with the above Permit requirements include the following:

- The City operates an O&M program, with the ultimate goal of preventing or reducing pollutant runoff from municipal operations.
- The City is currently on track to comply with required municipal stormwater facility inspection frequencies. The City also conducts spot checks of potentially damaged treatment and control facilities. All inspections are recorded in inspection logs.
- The City conducts numerous activities to reduce stormwater impacts associated with runoff from municipal O&M activities, including but not limited to streets, parking lots, and roads owned or maintained by the City. Some of the activities include street sweeping, ditch maintenance, dust control, and pond maintenance.

- Sewer and drainage crews receive training from the Washington Wastewater Collection Personnel Association (WWCPA) biennially.
- The City has developed a SWPPP for the maintenance yard.
- The City conducts regular refresher trainings for City staff.
- The City conducted trainings for all maintenance yard staff in 2010.
- City staff from the Public Works Department, Roads Department, and Parks Department has received training on pollution prevention.
- The City has adopted administrative operating policies and procedures in the form of an Integrated Pest Management Plan (IPM) and a Property and Facility Management Plan for Pollution Reduction in accordance with Section S5.C.5.f of the Permit.
- The City summarizes all associated activities in its Annual Compliance Report, due on March 31 of each year.

7.3 Planned 2015 Compliance Activities

The City conducts many of the Permit-required activities to limit stormwater pollution potential related to its O&M program. However, updates will be necessary to maintain compliance as Ecology phases in additional Permit requirements. Table 7-1 presents the work plan for 2015 SWMP activities related to pollution prevention and O&M activities.

Table 7-1. 2015 Pollution Prevention and Operations Maintenance Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
PPOM-1	Maintain records of inspections and maintenance or repair activities conducted.	Public Works		Ongoing.
PPOM-2	Continue to implement City maintenance standards in accordance with Ecology 2005 Manual for City-performed maintenance activities.	CAO	Public Works	Ongoing.
PPOM-3	Maintain annual inspection program for City-owned or operated stormwater catch basins and flow control and runoff treatment facilities.	Public Works		Ongoing.
PPOM-4	Continue implementing policies and procedures for O&M activities to reduce pollutants in stormwater discharges from lands owned or maintained by the City.	Public Works	Parks and Recreation, Facilities, CED	Ongoing.
PPOM-5	Summarize annual activities for "Municipal Operations and Maintenance" component of Annual Report; identify any updates to SWPPP.	Public Works		The SWMP Plan and Annual Compliance Report submittal is due on or before March 31 of each year.

Section 8

Monitoring and Assessment

This section provides a description of the Permit requirements related to water quality monitoring, including descriptions of the City's current and planned compliance activities for 2015.

8.1 Permit Requirements

The Permit (Section S8) requires municipalities to conduct water quality sampling and program assessments during this Permit cycle, or to participate in State-conducted programs to meet these requirements:

- Regarding status and trends monitoring in Puget Sound, the City selected Option 1, requiring the City to pay into a collective fund to implement a Regional Stormwater Monitoring Program (RSMP) for small streams and marine nearshore status trends; annual payments to Ecology began August 15, 2014.
- Regarding effectiveness studies, the City selected Option 1, requiring the City to pay into a collective fund to implement RSMP effectiveness studies; annual payments to Ecology began August 15, 2014.
- Pay into a collective fund to implement the RSMP Source Identification Information Repository (SIDIR); annual payments to Ecology began August 15, 2014.

8.2 Current Compliance Activities

The City selected Option 1 for status and trends monitoring and Option 1 for effectiveness studies, and notified Ecology of its selections prior to December 1, 2013.

8.3 Planned 2015 Compliance Activities

The City created a Water Quality Monitoring Program to maintain compliance as Ecology phases in current and future Permit requirements. Table 8-1 presents the work plan for 2015 SWMP monitoring activities.

Table 8-1. 2015 Monitoring Work Plan				
Task ID	Task description	Lead	Support	Compliance time frame
MNTR-1	Notify Ecology of selected options for status and trends monitoring and for SWMP effectiveness studies for this Permit cycle.	Public Works		December 1, 2013. Complete.
MNTR-2	Summarize annual monitoring activities for the Annual Report.	Public Works		The SWMP and Annual Compliance Report submittal is due on or before March 31 of each year.
MNTR-3	Continue annual payment into RSMP for small streams and marine nearshore status trends.	Public Works		Annual payments of \$7,574 to Ecology began August 15, 2014.
MNTR-4	Continue annual payment into RSMP for effectiveness studies.	Public Works		Annual payments of \$12,620 to Ecology began August 15, 2014.
MNTR-5	Continue annual payment into RSMP for Source Identification Information Repository.	Public Works		Annual payments of \$1,170 to Ecology began August 15, 2014.

Section 9

Summary

The City of Mount Vernon is currently in compliance with the Phase II Permit and has planned activities for 2015 to ensure continued compliance. There are multiple tasks that the City has completed and several tasks that the City is planning to ensure continuing compliance with the Permit requirements.

On August 1, 2013, a new 5-year Permit cycle began for August 1, 2013, to July 31, 2018. New LID and monitoring requirements represent the most significant changes in the new Permit; the City will be required to implement LID in City codes, policies, programs and standards during the Permit term. Ecology has also published an updated Stormwater Management Manual for Western Washington; the City will be required to adopt the updated Manual or an equivalent during the Permit term..

The City administers its SWMP through a SWMP Plan updated annually, and reports progress to Ecology in an Annual Report.

The Public Education and Outreach Program has been implemented through the City's contract with the Skagit Conservation District (SCD), which has reached out with useful information and offered participatory activities to the general public, school districts, business owners, commercial property owners, the agricultural community, and the industrial community. In addition, the City works with the Northern Stormwater Outreach Group (SOG) and the Skagit County Public Health Department through the source control inspection program.

Mount Vernon has developed a system for notifying the public, provides opportunities for the public to comment on the SWMP document, and each year presents the document to the City Council. These opportunities allow the public to be involved in developing the City's SWMP.

The City has an ongoing IDDE Program, which includes a spill hotline. Each year the hotline receives calls from educated citizens who are interested in protecting stormwater quality. City staff have been trained to identify and respond to illicit discharges and connections, and the City tracks inspections and field responses and conducts appropriate reporting for IDDE activities. Mount Vernon works with the SCD to distribute additional educational materials directed at IDDE.

The City has adopted and is currently implementing the 2005 Ecology Manual for controlling runoff from new development, redevelopment, and construction sites. The City encourages the use of LID techniques in developed areas where applicable to mimic natural runoff.

The City operates and maintains the MS4 to comply with Phase II Permit requirements, including required O&M practices (e.g., inspection and cleaning).

The City participates in state-wide monitoring activities by making annual payments to the RSMP collective fund.

Additional information on the City's NPDES program can be found online at <http://www.mountvernonwa.gov/index.aspx?NID=426>.

Appendix A:

Abbreviations and Definitions from Permit

Appendix A

Abbreviations and Definitions from Permit

The following definitions and abbreviations are taken directly from the Phase II Permit and are reproduced here for the reader's convenience.

40 CFR means Title 40 of the Code of Federal Regulations, which is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the federal government.

AKART means all known, available, and reasonable methods of prevention, control and treatment. See also State Water Pollution Control Act, chapter 90.48.010 RCW and chapter 90.48.520 RCW.

All known, available and reasonable methods of prevention, control and treatment refers to the State Water Pollution Control Act, chapter 90.48.010 RCW and chapter 90.48.520 RCW.

Applicable TMDL means a TMDL which has been approved by EPA on or before the issuance date of this Permit, or prior to the date that Ecology issues coverage under this Permit, whichever is later.

Beneficial Uses means uses of waters of the state, which include but are not limited to use for domestic, stock watering, industrial, commercial, agricultural, irrigation, mining, fish and wildlife maintenance and enhancement, recreation, generation of electric power and preservation of environmental and aesthetic values, and all other uses compatible with the enjoyment of the public waters of the state.

Best Management Practices are the schedules of activities, prohibitions of practices, maintenance procedures, and structural and/or managerial practices approved by Ecology that, when used singly or in combination, prevent or reduce the release of pollutants and other adverse impacts to waters of Washington State.

BMP means Best Management Practice.

Bypass means the diversion of stormwater from any portion of a stormwater treatment facility.

Census defined urban area means Urbanized Area.

Circuit means a portion of a MS4 discharging to a single point or serving a discrete area determined by traffic volumes, land use, topography or the configuration of the MS4.

Component or **Program Component** means an element of the Stormwater Management Program listed in S5 Stormwater Management Program for Cities, Towns, and Counties or S6 Stormwater Management Program for Secondary Permittees, S7 Compliance with Total Maximum Daily Load Requirements, or S8 Monitoring of this permit.

Conveyance system means that portion of the municipal separate storm sewer system designed or used for conveying stormwater.

Co-Permittee means an owner or operator of an MS4 which is in a cooperative agreement with at least one other applicant for coverage under this permit. A Co-Permittee is an owner or operator of a regulated MS4 located within or in proximity to another regulated MS4. A Co-Permittee is only responsible for permit

conditions relating to discharges from the MS4 the Co-Permittee owns or operates. See also 40 CFR 122.26(b)(1).

CWA means Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub.L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. (6-483 and Pub. L. 97-117, 33 U.S.C. 1251 et seq.).

Director means the Director of the Washington State Department of Ecology, or an authorized representative.

Discharge Point means the location where a discharge leaves the Permittee's MS4 through the Permittee's MS4 facilities/BMPs designed to infiltrate.

Entity means a governmental body, or a public or private organization.

EPA means the U.S. Environmental Protection Agency.

General Permit means a permit which covers multiple dischargers of a point source category within a designated geographical area, in lieu of individual permits being issued to each discharger.

Ground water means water in a saturated zone or stratum beneath the surface of the land or below a surface water body. Refer to chapter 173-200 WAC.

Hazardous substance means any liquid, solid, gas, or sludge, including any material, substance, product, commodity, or waste, regardless of quantity, that exhibits any of the physical, chemical, or biological properties described in WAC 173-303-090 or WAC 173-303-100.

Heavy equipment maintenance or storage yard means an uncovered area where any heavy equipment, such as mowing equipment, excavators, dump trucks, backhoes, or bulldozers are washed or maintained, or where at least five pieces of heavy equipment are stored on a long-term basis.

Highway means a main public road connecting towns and cities.

Hydraulically near means runoff from the site discharges to the sensitive feature without significant natural attenuation of flows that allows for suspended solids removal. See Appendix 7 Determining Construction Site Sediment Damage Potential for a more detailed definition.

Hyperchlorinated means water that contains more than 10 mg/Liter chlorine.

Illicit connection means any infrastructure connection to the MS4 that is not intended, permitted or used for collecting and conveying stormwater or non-stormwater discharges allowed as specified in this permit (S5.C.3 and S6.D.3). Examples include sanitary sewer connections, floor drains, channels, pipelines, conduits, inlets, or outlets that are connected directly to the MS4.

Illicit discharge means any discharge to a MS4 that is not composed entirely of stormwater or of non-stormwater discharges allowed as specified in this permit (S5.C.3 and S6.D.3).

Impervious surface means a non-vegetated surface area that either prevents or retards the entry of water into the soil mantle as under natural conditions prior to development. A nonvegetated surface area which causes water to run off the surface in greater quantities or at an increased rate of flow from the flow present under natural conditions prior to development. Common impervious surfaces include, but are not limited to, roof tops, walkways, patios, driveways, parking lots or stormwater areas, concrete or asphalt paving, gravel roads, packed earthen materials, and oiled, macadam or other surfaces which similarly impede the natural infiltration of stormwater.

Land disturbing activity means any activity that results in a change in the existing soil cover (both vegetative and non-vegetative) and/or the existing soil topography. Land disturbing activities include, but are not limited to clearing, grading, filling and excavation. Compaction that is associated with stabilization of structures and road construction shall also be considered land disturbing activity. Vegetation maintenance

practices, including landscape maintenance and gardening, are not considered land disturbing activity. Stormwater facility maintenance is not considered land disturbing activity if conducted according to established standards and procedures.

LID means Low Impact Development. **LID BMP** means low impact development best management practices.

LID Principles means land use management strategies that emphasize conservation, use of onsite natural features, and site planning to minimize impervious surfaces, native vegetation loss, and stormwater runoff.

Low Impact Development means a stormwater and land use management strategy that strives to mimic pre-disturbance hydrologic processes of infiltration, filtration, storage, evaporation and transpiration by emphasizing conservation, use of on-site natural features, site planning, and distributed stormwater management practices that are integrated into a project design.

Low impact development best management practices means distributed stormwater management practices, integrated into a project design, that emphasize pre-disturbance hydrologic processes of infiltration, filtration, storage, evaporation and transpiration. LID BMPs include, but are not limited to, bioretention, rain gardens, permeable pavements, roof downspout controls, dispersion, soil quality and depth, vegetated roofs, minimum excavation foundations, and water re-use.

Material Storage Facilities means an uncovered area where bulk materials (liquid, solid, granular, etc.) are stored in piles, barrels, tanks, bins, crates, or other means.

Maximum Extent Practicable refers to paragraph 402(p)(3)(B)(iii) of the federal Clean Water Act which reads as follows: Permits for discharges from municipal storm sewers shall require controls to reduce the discharge of pollutants to the maximum extent practicable, including management practices, control techniques, and system, design, and engineering methods, and other such provisions as the Administrator or the State determines appropriate for the control of such pollutants.

MEP means Maximum Extent Practicable.

MS4 means municipal separate storm sewer system.

Municipal Separate Storm Sewer System means a conveyance, or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains): (i) owned or operated by a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over disposal of wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to waters of Washington State; (ii) designed or used for collecting or conveying stormwater; (iii) which is not a combined sewer; (iv) which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.; and (v) which is defined as "large" or "medium" or "small" or otherwise designated by Ecology pursuant to 40 CFR 122.26.

National Pollutant Discharge Elimination System means the national program for issuing, modifying, revoking, and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under sections 307, 402, 318, and 405 of the Federal Clean Water Act, for the discharge of pollutants to surface waters of the state from point sources. These permits are referred to as NPDES permits and, in Washington State, are administered by the Washington State Department of Ecology.

Native vegetation means vegetation comprised of plant species, other than noxious weeds, that are indigenous to the coastal region of the Pacific Northwest and which reasonably could have been expected to naturally occur on the site. Examples include trees such as Douglas Fir, western hemlock, western red cedar, alder, big-leaf maple; shrubs such as willow, elderberry, salmonberry, and salal; and herbaceous plants such as sword fern, foam flower, and fireweed.

New development means land disturbing activities, including Class IV General Forest Practices that are conversions from timber land to other uses; structural development, including construction or installation of a building or other structure; creation of hard surfaces; and subdivision, short subdivision and binding site plans, as defined and applied in chapter 58.17 RCW. Projects meeting the definition of redevelopment shall not be considered new development. Refer to Appendix 1 for a definition of hard surfaces.

New Permittee means a city, town, or county that is subject to the *Western Washington Municipal Stormwater General Permit* and was not subject to the permit prior to August 1, 2013.

New Secondary Permittee means a Secondary Permittee that is covered under a municipal stormwater general permit and was not covered by the permit prior to August 1, 2013.

NOI means Notice of Intent.

Notice of Intent means the application for, or a request for coverage under a General Permit pursuant to WAC 173-226-200.

Notice of Intent for Construction Activity means the application form for coverage under the *Construction Stormwater General Permit*.

Notice of Intent for Industrial Activity means the application form for coverage under the *General Permit for Stormwater Discharges Associated with Industrial Activities*.

NPDES means National Pollutant Discharge Elimination System.

Outfall means a point source as defined by 40 CFR 122.2 at the point where a discharge leaves the Permittee's MS4 and enters a surface receiving water body or surface receiving waters. Outfall does not include pipes, tunnels, or other conveyances which connect segments of the same stream or other surface waters and are used to convey primarily surface waters (i.e., culverts).

Permittee unless otherwise noted, the term "Permittee" includes city, town, or county Permittee, Co-Permittee, New Permittee, Secondary Permittee, and New Secondary Permittee.

Physically Interconnected means that one MS4 is connected to another storm sewer system in such a way that it allows for direct discharges to the second system. For example, the roads with drainage systems and municipal streets of one entity are physically connected directly to a storm sewer system belonging to another entity.

Project site means that portion of a property, properties, or right-of-ways subject to land disturbing activities, new hard surfaces, or replaced hard surfaces. Refer to Appendix 1 for a definition of hard surfaces. **QAPP** means Quality Assurance Project Plan.

Qualified Personnel means someone who has had professional training in the aspects of stormwater management for which they are responsible and are under the functional control of the Permittee. Qualified Personnel may be staff members, contractors, or volunteers.

Quality Assurance Project Plan means a document that describes the objectives of an environmental study and the procedures to be followed to achieve those objectives.

RCW means the Revised Code of Washington State.

Receiving water body or receiving waters means naturally and/or reconstructed naturally occurring surface water bodies, such as creeks, streams, rivers, lakes, wetlands, estuaries, and marine waters, or ground water, to which a MS4 discharges.

Redevelopment means, on a site that is already substantially developed (i.e., has 35% or more of existing hard surface coverage), the creation or addition of hard surfaces; the expansion of a building footprint or addition or replacement of a structure; structural development including construction, installation or

expansion of a building or other structure; replacement of hard surface that is not part of a routine maintenance activity; and land disturbing activities. Refer to Appendix 1 for a definition of hard surfaces.

Regional Stormwater Monitoring Program means, for all of western Washington, a stormwater-focused monitoring and assessment program consisting of these components: status and trends monitoring in small streams and marine nearshore areas, stormwater management program effectiveness studies, and a source identification information repository (SIDIR). The priorities and scope for the RSMP are set by a formal stakeholder group. For this permit term, RSMP status and trends monitoring will be conducted in the Puget Sound basin only.

Regulated Small Municipal Separate Storm Sewer System means a Municipal Separate Storm Sewer System which is automatically designated for inclusion in the Phase II stormwater permitting program by its location within an Urbanized Area, or by designation by Ecology and is not eligible for a waiver or exemption under S1.C.

RSMP means Regional Stormwater Monitoring Program.

Runoff is water that travels across the land surface and discharges to water bodies either directly or through a collection and conveyance system. See also "Stormwater."

Secondary Permittee is an operator of a regulated small MS4 which is not a city, town or county. Secondary Permittees include special purpose districts and other public entities that meet the criteria in S1.B.

Sediment/Erosion-Sensitive Feature means an area subject to significant degradation due to the effect of construction runoff, or areas requiring special protection to prevent erosion. See Appendix 7 Determining Construction Site Sediment Transport Potential for a more detailed definition.

Shared water bodies means water bodies, including downstream segments, lakes and estuaries that receive discharges from more than one Permittee.

SIDIR means Source Identification Information Repository.

Significant contributor means a discharge that contributes a loading of pollutants considered to be sufficient to cause or exacerbate the deterioration of receiving water quality or instream habitat conditions.

Small Municipal Separate Storm Sewer System means an MS4 that is not defined as "large" or "medium" pursuant to 40 CFR 122.26(b)(4) & (7) or designated under 40 CFR 122.26 (a)(1)(v).

Source control BMP means a structure or operation that is intended to prevent pollutants from coming into contact with stormwater through physical separation of areas or careful management of activities that are sources of pollutants. The SWMMWW separates source control BMPs into two types. Structural Source Control BMPs are physical, structural, or mechanical devices, or facilities that are intended to prevent pollutants from entering stormwater. Operational BMPs are non-structural practices that prevent or reduce pollutants from entering stormwater. See Volume IV of the SWMMWW (2012) for details.

Stormwater means runoff during and following precipitation and snowmelt events, including surface runoff, drainage or interflow.

Stormwater Associated with Industrial and Construction Activity means the discharge from any conveyance which is used for collecting and conveying stormwater, which is directly related to manufacturing, processing or raw materials storage areas at an industrial plant, or associated with clearing, grading and/or excavation, and is required to have an NPDES permit in accordance with 40 CFR 122.26.

Stormwater Management Program means a set of actions and activities designed to reduce the discharge of pollutants from the MS4 to the MEP and to protect water quality, and comprising the components listed in S5 (for cities, towns, and counties) or S6 (for Secondary Permittees) of this Permit and any additional actions necessary to meet the requirements of applicable TMDLs pursuant to S7 *Compliance with TMDL Requirements*, and S8 *Monitoring and Assessment*.

Stormwater Treatment and Flow Control BMPs/Facilities means detention facilities, treatment BMPs/facilities, bioretention, vegetated roofs, and permeable pavements that help meet Appendix 1 Minimum Requirements #6 (treatment), #7 (flow control), or both.

SWMMWW or Stormwater Management Manual for Western Washington means *Stormwater Management Manual for Western Washington (as amended in 2014)*.

SWMP means Stormwater Management Program.

TMDL means Total Maximum Daily Load.

Total Maximum Daily Load means a water cleanup plan. A TMDL is a calculation of the maximum amount of a pollutant that a water body can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. A TMDL is the sum of the allowable loads of a single pollutant from all contributing point and nonpoint sources. The calculation must include a margin of safety to ensure that the water body can be used for the purposes the state has designated. The calculation must also account for reasonable variation in water quality. Water quality standards are set by states, territories, and tribes. They identify the uses for each water body, for example, drinking water supply, contact recreation (swimming), and aquatic life support (fishing), and the scientific criteria to support that use. The Clean Water Act, section 303, establishes the water quality standards and TMDL programs.

Tributary conveyance means pipes, ditches, catch basins, and inlets owned or operated by the Permittee and designed or used for collecting and conveying stormwater.

UGA means Urban Growth Area.

Urban Growth Area means those areas designated by a county pursuant to RCW 36.70A.110.

Urbanized Area is a federally-designated land area comprising one or more places and the adjacent densely settled surrounding area that together have a residential population of at least 50,000 and an overall population density of at least 1,000 people per square mile. Urbanized Areas are designated by the U.S. Census Bureau based on the most recent decennial census.

Vehicle Maintenance or Storage Facility means an uncovered area where any vehicles are regularly washed or maintained, or where at least 10 vehicles are stored.

Water Quality Standards means Surface Water Quality Standards, chapter 173-201A WAC, Ground Water Quality Standards, chapter 173-200 WAC, and Sediment Management Standards, chapter 173-204 WAC.

Waters of the State includes those waters as defined as "waters of the United States" in 40 CFR Subpart 122.2 within the geographic boundaries of Washington State and "waters of the state" as defined in chapter 90.48 RCW which includes lakes, rivers, ponds, streams, inland waters, underground waters, salt waters and all other surface waters and water courses within the jurisdiction of the State of Washington.

Waters of the United States refers to the definition in 40 CFR 122.2.

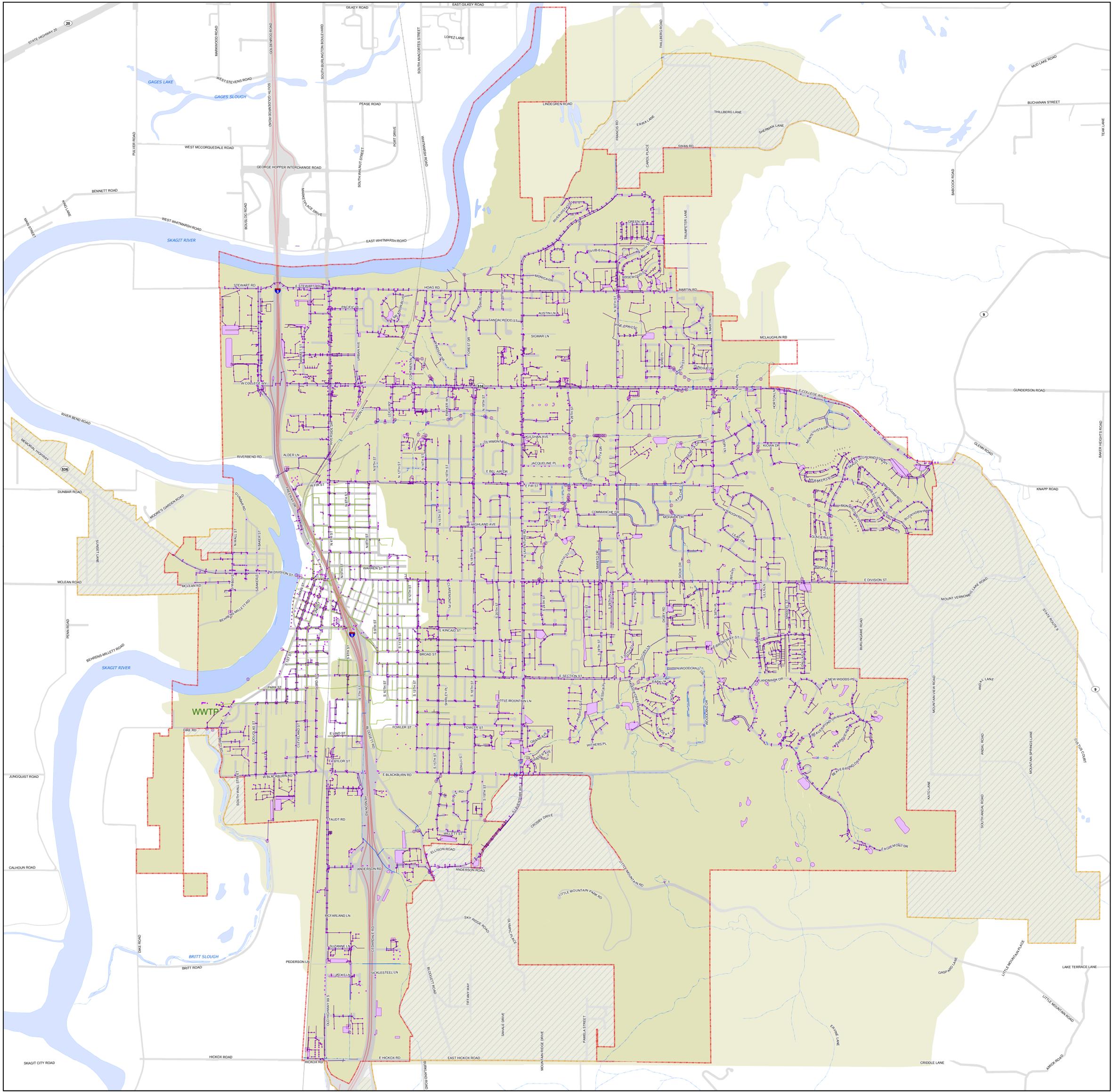
Appendix B:

2013-2018 Western Washington Phase II Municipal Stormwater Permit Implementation Schedule (Draft)

(Courtesy Cities of Covington and SeaTac)

Appendix C:

Mount Vernon Storm Sewer System Map



Map Revised: February, 2015

City of Mount Vernon Disclaimer: The information included on this map has been compiled by City of Mount Vernon staff from a variety of sources. The City of Mount Vernon makes no representations or warranties, expressed or implied, as to the accuracy, completeness, timeliness, or rights to the use of such information. The City of Mount Vernon shall not be liable for any general, special, indirect, incidental, or consequential damages including, but not limited to, lost revenues or lost profits resulting from the use or misuse of the information contained in this map.

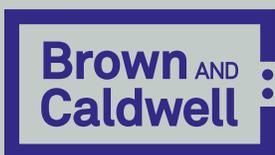
City of Mount Vernon Public Works Department

- Stormwater Line Feature
- Storm Culvert
- Combined Sewer Line
- Catch Basins
- Pumpstation
- Stormwater Outfall
- Detention/WQ Facility
- City Boundary
- UGA Boundary
- Railroad
- Stream
- MS4 Area
- Combined Sewer Area

City of Mount Vernon Stormwater System



City of Mount Vernon
910 Cleveland Avenue
Mount Vernon, WA 98273
Phone: (360) 336-6214



Seattle

701 Pike Street
Suite 1200
Seattle, WA 98101
T 206.624.0100

CALL DETAILS

Date/Time called

Contact Method

Problem Type

Location of problem

Call taken by

CALLER INFORMATION

Caller's Name

Phone number

Email

Address

CSID ID from spreadsheet

STATUS

Assigned to

Status

Date/Time closed

COMMUNICATION LOG

Lori White - SCPW called to report illicit discharge, currently there is chlorinated water running down the lane at Hawthorne Cemetery and out into College Way and down the storm drain.

Information called to Charlie to investigate

1/30/14 Ken Scott investigated site and tested water; determination is that it is stormwater not chlorinated water. Additionally, Skagit County PUD called Charlie to report it was not PUD water.

CALL DETAILS

Date/Time called	<input type="text" value="4/2/2014"/>
Contact Method	<input type="text" value="Internal"/>
Problem Type	<input type="text" value="IDDE - Discharge"/>
Location of problem	<input type="text"/>
Call taken by	<input type="text" value="Sherri Pritchard"/>

CSID ID from spreadsheet **CALLER INFORMATION**

Caller's Name	<input type="text" value="Michael See"/>
Phone number	<input type="text" value="(360) 336-9400"/>
Email	<input type="text"/>
Address	<input type="text" value="SCPW"/>

STATUS

Assigned to	<input type="text" value="Streets"/>
Status	<input type="text" value="Closed"/>
Date/Time closed	<input type="text" value="4/15/2014"/>

COMMUNICATION LOG

From: Tuttle, George (AGR) **Sent:** Wednesday, April 02, 2014 10:33 AM **Subject:** Upper Big Ditch
To: Anderson, Paul D. - HQ EAP (ECY); Sargeant, Debby (ECY); Norton, Dale (ECY), Cc: Hancock, Jaclyn (AGR); Demory, Joel (AGR)

Hello Paul, Debby, and Dale,

Joel and Jaclyn informed me that there was a very substantial sheen on the water and a strong petroleum odor at the Upper Big Ditch site while they were up in Skagit yesterday. We were wondering if any of you had a suggestion as to who within Ecology we should notify so they can determine if they want to respond? It would also be useful for them to have that information in the future as I think this has been a reoccurring issue at that location?

George R. Tuttle

Agency Toxicologist - Washington State Department of Agriculture, Office of the Director - [Natural Resources Assessment Section](#), Washington State Department of Agriculture, Natural Resources Building, P.O. Box 42560, 1111 Washington ST SE., Olympia, WA 98504-2560, (360) 790-8987 - Mobile Work Phone, (360) 902-2066 - Office Phone, George.Tuttle@agr.wa.gov

From: Anderson, Paul D. - HQ EAP (ECY) **Sent:** Wednesday, April 02, 2014 10:45 AM **Subject:** RE: Upper Big Ditch
To: Tuttle, George (AGR); Sargeant, Debby (ECY); Norton, Dale (ECY), Cc: Hancock, Jaclyn (AGR); Demory, Joel (AGR)

There have been several spills in upper Big Ditch in the past. See this ECY page for reporting information. I ran into a similar situation and reported it. It turns out that a gas station along Big Ditch had a diesel spill. It is my feeling that if there is a strong odor then there likely is a lot of it in the water. Also, in the future it would be good to try and collect a sample of the sheen with a spare bottle if possible. When you report the spill to the Ecology regional office make sure to tell them you collected a sample and ask if they would like it sent to MEL for analysis.

Paul D. Anderson

Department of Ecology, Environmental Assessment Program, Directed Studies Unit, Phone: (360)407-7548, Fax: (360)407-6884, Email: paul.d.anderson@ecy.wa.gov

From: Tuttle, George (AGR) **Sent:** Wednesday, April 02, 2014 10:54 AM **Subject:** RE: Upper Big Ditch
To: Anderson, Paul D. - HQ EAP (ECY); Sargeant, Debby (ECY); Norton, Dale (ECY), Cc: Hancock, Jaclyn (AGR); Demory, Joel (AGR); Curtin, Abigail (AGR); Bischof, Matthew (AGR)

Great! We will make sure to do that.

Thank you so much for the valuable information and the weblink: <http://www.ecy.wa.gov/programs/spills/other/reportaspill.htm>

From: Sargeant, Debby (ECY) **Sent:** Wednesday, April 02, 2014 11:06 AM **Subject:** RE: Upper Big Ditch
To: Tuttle, George (AGR); RickHaley, Cc: Hancock, Jaclyn (AGR); Demory, Joel (AGR); Curtin, Abigail (AGR); Bischof, Matthew (AGR); Anderson, Paul D. - HQ EAP (ECY)

Don't forget to let Rick Haley (Skagit Co) know as well if field crew see anything unusual, especially something like this. See the email chain Rick. Deb.

Debby Sargeant

BEACH Program Manager, Washington State Departments of Ecology & Health, debby.sargeant@ecy.wa.gov
 Ecology Desk: (360) 407-6139, Health Desk: (360) 236-3310, BEACH Cell: (360) 480-4868

From: Tuttle, George (AGR) [GTuttle@agr.wa.gov] **Sent:** Wednesday, April 02, 2014 11:12 AM **Subject:** RE: Upper Big Ditch

To: Sargeant, Debby (ECY); RickHaley, Cc: Hancock, Jaclyn (AGR); Demory, Joel (AGR); Curtin, Abigail (AGR); Bischof, Matthew (AGR); Anderson, Paul D. - HQ EAP (ECY)

Excellent suggestion. We will be sure to let Rick know next time.

From: RickHaley
To: Michael See

Sent: Wednesday, April 02, 2014 11:19 AM
Subject: FW: Upper Big Ditch

Mike - start at the bottom for yet another Maddox/Big Ditch spill. Lori's address doesn't come up on this so please to forward. I will let you decide what happens next from our end - sounds like they've notified ECY.

From: Michael See
To: RickHaley, Cc: Lori Wight; Bill Dowe - Public Works

Sent: Wednesday, April 02, 2014 12:00 PM
Subject: RE: Upper Big Ditch

Thanks for the heads up. Do we know the specific location of the spill or which gas station is suspected? Potentially the spill could be in our NPDES Permit area and require additional reporting on our end. Also, it could be within Mt. Vernon's boundary in which case we can give Blaine a call.

From: RickHaley
To: Michael See, Cc: Lori Wight; Bill Dowe - Public Works

Sent: Wednesday, April 02, 2014 12:16 PM
Subject: RE: Upper Big Ditch

PS: Dale thinks it was truck washing, probably at Truck City.

From: Michael See [mailto:michaels@co.skagit.wa.us]
To: Chesterfield, Blaine, Cc: Lori Wight; RickHaley; Bill Dowe - Public Works

Sent: Wednesday, April 02, 2014 1:00 PM
Subject: FW: Upper Big Ditch

Hi Blaine - I just heard about this and wanted to give you a heads up. I'll give you a call this afternoon.

From: Chesterfield, Blaine
To: Pritchard, Sherri

Sent: Wednesday, April 02, 2014 3:08 PM
Subject: FW: Upper Big Ditch

Here is the string of emails. It looks like this was already reported to Ecology. I will give Ecology additional information if we get more. I am not willing to mention any specific businesses from past spills as they may not be the source of this spill. No one in this string of email has located the spill or give any specifics about the spill as best as I can tell. It appears to be educated guesses and not based in evidence. Per a phone conversation with Charlie 15 minutes ago the collections crew is going to try and trace the spill up stream and locate the source. They will notify us of their results. - Thanks

From: Tewart, Charlie
To: Chesterfield, Blaine

Sent: Thursday, April 03, 2014 8:23 AM
Subject: Emailing: Freightliner Oil Separator 005

This appears to be the source of the oil slick. The structures are located in the Northwest corner of the Freightliner lot. There is a fuel trailer parked at the CB inlet, but doesn't seem to be involved. It looks like the oil separator needs some maintenance.



From: Scott, Ken
To: Chesterfield, Blaine

Sent: Wednesday, April 02, 2014 4:06 PM

3:00 P.M. 4/2/14 checked at Jacks Lane east off Old 99 in drainage ditch and saw no indication of a petroleum product on water surface – checked at Eleanor Lane east off Old 99 and saw petroleum product on the water surface and also at the intersection of Hickok Road and Old 99. I did not find the origin of the related petroleum spill in the drainage ditch. Ken Scott



CALL DETAILS

Date/Time called	<input type="text" value="6/4/2014"/>
Contact Method	<input type="text" value="Phone"/>
Problem Type	<input type="text" value="IDDE - Discharge"/>
Location of problem	<input type="text"/>
Call taken by	<input type="text" value="Sherri Pritchard"/>

CSID ID from spreadsheet **CALLER INFORMATION**

Caller's Name	<input type="text" value="Dept of Ecology"/>
Phone number	<input type="text"/>
Email	<input type="text"/>
Address	<input type="text"/>

STATUS

Assigned to	<input type="text" value="CED"/>
Status	<input type="text" value="Closed"/>
Date/Time closed	<input type="text" value="6/4/2014"/>

COMMUNICATION LOG

From: Torgerson, John, Sent: 6/4/14 @ 10:11 AM
To: Pritchard, Sherri; Chesterfield, Blaine; Torgerson, John
Subject: RE: DOE - Leaks

The oil spill was very small. The majority of the work is landscaping and some pavement repair. The spill was from a broken hydraulic line, small drops of oil made it to the water. B A Van De Grift 661 2441, is the company doing the work. I talked with DOE spill team last night. Doug Van De Grift said that the disturbed soils will be covered by Friday. The owner doing the improvements to the splash n dash is Larry Vander May 202 6400. Ken Scott of collections put two oil booms on the water last night. This morning I did not see any oil on the waters of the state.

From: Chesterfield, Blaine, Sent: 6/4/14 @ 12:59 PM
To: Pritchard, Sherri, Cc: Torgerson, John; Chesterfield, Ana; Lee, Ken
Subject: RE: DOE - Leaks

I called the Ecology Spill Response hotline yesterday at 3:30 pm and gave them the original spill report. I called Collections and Ken Scott responded with booms and oil absorbent pads. I spoke with John Torgerson who responded to the site and inspected the work. Ken reported that the spill was minimal and under control. Ken was able to isolate the oil with the booms and soak up the oil with the pads.

I spoke with Carl Anderson of Ecology on 6/4/2014 at 12:35 pm. He visited the site last night and mentioned that the spill had been soaked up. He saw no evidence of the oil spill in Kulshan Creek. Carl was concerned about the grading along the creek without proper erosion control. As far as Ecology is concerned this file can be closed out.

CALL DETAILS	
Date/Time called	<input type="text" value="6/9/2014"/> <input type="button" value="Insert Date/Time"/>
Contact Method	<input type="text" value="Internal"/>
Problem Type	<input type="text" value="IDDE - Discharge"/>
Location of problem	<input type="text"/>
Call taken by	<input type="text" value="Sherri Pritchard"/>

CALLER INFORMATION	
Caller's Name	<input type="text" value="Staff"/>
Phone number	<input type="text"/>
Email	<input type="text"/>
Address	<input type="text"/>

CSID ID from spreadsheet

STATUS	
Assigned to	<input type="text" value="CED"/>
Status	<input type="text" value="Closed"/>
Date/Time closed	<input type="text" value="6/10/2014"/>

COMMUNICATION LOG

From: LeahForbes [mailto:leahf@co.skagit.wa.us],
To: Lowell, Rebecca,

Sent: 6/4/14 @ 2:47 PM
Subject: Critical Areas compliance question

Spring is here and so are all the people out working in and near our critical areas . I was just wondering about the car wash at 1423 E College Way (P25884) that is being removed piece by piece... I noticed at lunch today that they've allowed a lot of sediment to get into the creek and they have no TESC in place. Do you have demo permits or any type of review required for this kind of work?

We just installed a bunch of native plants in April along our stretch of it here as part of our mitigation and now the neighboring site is making a mess of it. Let me know if there is a formal code compliance form or something you need from me.

Leah Forbes, AICP, Senior Planner, Skagit County Planning & Development Services

From: Lowell, Rebecca,
To: LeahForbes,

Sent: 6/5/14 @ 12:16 PM
Subject: RE: Critical Areas compliance question

As I was giving our Building Official the information outlined within your email below one of our permit techs told me that our staff has already been on this site and that DOE has been called. Evidently our Public Works department is taking the lead. However, please do let me know if the violations continue or if you don't see corrective action very quickly.

From: LeahForbes,
To: Lowell, Rebecca,

Sent: 6/9/14 @ 12:57 PM
Subject: RE: Critical Areas compliance question

I tried not to look but... when I went out at lunch today I saw that they have put a layer of rock over the bank (dirt still exposed in some areas) and they had a guy out there hosing the dirt off of the rocks into the creek.

From: Lowell, Rebecca,
To: Chesterfield, Blaine; Prosser, Rick, Cc: Jewett, Krista; Hanson, Jana

Sent: 6/9/14 @ 2:37 PM
Subject: FW: Critical Areas compliance question

Rick just called me and said that he is sending Andy out to look at this site and we will issue a stop work order if the violations have continued.

From: Chesterfield, Blaine,
To: 'Cole, Wendy (DFW)', Cc: Pritchard, Sherri

Sent: 6/9/14 @ 2:50 PM
Subject: FW: Critical Areas compliance question

FYI - The College Way car wash site was informed to put in the needed BMPs and ensure that nothing gets into the stream last week. Well we just got a report that they are washing off dirt in to the stream. We are sending one of our building inspectors out to take a look and issue a stop work order if the violations of our critical areas ordinance have continued.



From: Spring, Stella
To: Pritchard, Sherri, Cc: Chesterfield, Blaine

Sent: Thursday, August 28, 2014 11:02 AM
Subject: FW: IDDE

Hi Sherri, - Here is the update. I returned to the area East of Peterson Pond. There's still turbidity there, but I didn't detect the smell this time. See attached picture. I looked at catch basins upstream on both sides of the highway and didn't detect any odor. I went back to the catch basin on the Truck City lot next to the highway and didn't detect an odor. I did detect the sewage-fertilizer-like smell at the catch basin between 3300 and 3304, but it wasn't as strong as yesterday.



From: Chesterfield, Blaine
To: Pritchard, Sherri, Cc: Spring, Stella

Sent: Friday, February 27, 2015 3:25 PM
Subject: RE: Truck City

On 8/29/2014 the Collection staff videoed the pipe between the catch basins and found no illegal connections into the system. The crew also cleaned out the catch basins and pipe. No source for the high fecal counts was ever determined.

CALL DETAILS

	<input type="button" value="Insert Date/Time"/>
Date/Time called	<input type="text" value="9/2/2014"/>
Contact Method	<input type="text" value="Phone"/>
Problem Type	<input type="text" value="IDDE - Non S/W Discharge"/>
Location of problem	<input type="text"/>
Call taken by	<input type="text" value="Michele Myers"/>

CSID ID from spreadsheet

CALLER INFORMATION

Caller's Name	<input type="text" value="Paul Springer"/>
Phone number	<input type="text"/>
Email	<input type="text"/>
Address	<input type="text" value="Trumpeter on Myrtle"/>

STATUS

Assigned to	<input type="text" value="Collections"/>
Status	<input type="text" value="Closed"/>
Date/Time closed	<input type="text" value="9/2/2014"/>

COMMUNICATION LOG

From: Beacham, Linda,
To: Myers, Michele; Pritchard, Sherri,

Sent: 9/2/14 @ 11:32 AM
Subject: Oil leak on Myrtle

Paul Springer reported a vehicle leaking large amount of oil in front of his restaurant (Trumpeter) on Myrtle. Thank you!

From: Myers, Michele,
To: Chesterfield, Blaine, Cc: Beacham, Linda; Pritchard, Sherri

Sent: 9/2/14 @ 12:23 PM
Subject: FW: Oil leak on Myrtle

Kenny Bergsma used oil absorbent pads to clean up the spill and put kitty litter down to absorb whatever was remaining. Nothing reached the storm drain. He will go back in a couple hours and sweep kitty litter. He talked to the trumpeter so they know what was done as well.

CALL DETAILS	
Date/Time called	<input type="text" value="9/9/2014"/> <input type="button" value="Insert Date/Time"/>
Contact Method	Phone
Problem Type	IDDE - Discharge
Location of problem	<input type="text"/>
Call taken by	Sherri Pritchard
CSID	1253
ID from spreadsheet	7108

CALLER INFORMATION	
Caller's Name	Laura - DOE
Phone number	<input type="text"/>
Email	<input type="text"/>
Address	<input type="text"/>
STATUS	
Assigned to	Collections
Status	Closed
Date/Time closed	9/11/2014

COMMUNICATION LOG

From: Bergsma, Kenny
 To: lhay461@ecy.wa.gov

Sent: Tuesday, September 09, 2014 8:08 PM
 Subject: Fwd: Big Ditch Spill Response/Truck City

Laura, - These pictures are taken from Truck City in South Mount Vernon, next would be from the Suzanne Lane area and the last being from the Hickox Road. Just to recap from our phone conversation, there was a small diesel spill apparently earlier in the day which was contained mostly in the fueling area. My phone number is 3606610399 if you have any additional questions.



From: Bergsma, Kenny
 To: Chesterfield, Blaine; Pritchard, Sherri, Cc: Dilley, John

Sent: Wednesday, September 10, 2014 12:07 PM
 Subject: Big Ditch Spill Response/Truck City

Blaine, - Here is an update from the diesel spill at Truck City yesterday. I just met with Carl with the DOE and we confirmed that a small amount of diesel did make it to our storm structure that is on the South side of the property behind the Moose lodge. Carl placed a few more absorbent pads into that type II structure to help contain the diesel/oil until it can be cleaned. Carl advised the owner of Truck City that he would need to have the fuel island pressure washed. Carl also requested them to have the catch basins cleaned and jet all of the storm lines that are attached to the fuel island. All of the fuel island drains drain directly into the storm system that drain directly into Maddox Creek. The owner was going to contact Bayside Services to Vactor out the structures and clean the storm lines. At this time there was no visible signs of any diesel or oil in Maddox Creek. I also noticed that Carl was using "oil test paper" for a quick way to assist in detecting spills. I think that this would be a great tool for us in the future and we would like to purchase some if that would be okay with you? Thanks!

From: Bart Smith [bart@olmstedtransportation.com],
 To: Andersen, Carl (ECY),

Sent: 9/11/14 @ 10:15 AM
 Subject: Vac Truck at Truck City

Good morning Carl-
 Just letting you know that Bayside services is here at the truck stop and nearly done jetting out the drains as discussed yesterday.

From: Bergsma, Kenny
 To: Chesterfield, Blaine

Sent: Thursday, September 11, 2014 4:53 PM
 Subject: FW: Vac Truck at Truck City

It looks like they finished the spill cleanup at Truck City earlier today.

CALL DETAILS

Date/Time called	<input type="text" value="9/19/2014"/>
Contact Method	Phone
Problem Type	IDDE - Dumping
Location of problem	525 E College Way, B-2
Call taken by	Sherri Pritchard

CSID ID from spreadsheet **CALLER INFORMATION**

Caller's Name	Jean - Skagit County Health Department
Phone number	<input type="text"/>
Email	<input type="text"/>
Address	<input type="text"/>

STATUS

Assigned to	Code Enforcement
Status	Closed
Date/Time closed	9/29/2014

COMMUNICATION LOG

From: Dilley, John,
To: Pritchard, Sherri

Sent: 9/19/14 @ 2:38 PM
Subject: Los Guerreros Bakery/ 525 B-2 College Way

Jean from Skagit County Health Dept. reported that there was a problem with the sewer and the employees were dumping sewage into the catch basin behind the building. Jean said that she did not see any evidence of sewage in the catch basin but there was grease on the catch basin grate. I did see the grease on the grate. Jean wanted someone from the City to talk to the owner about dumping grease into the catch basin. Could we have Ken Lee talk to the owners.

From: Pritchard, Sherri,
To: Lee, Ken, Cc: Dilley, John

Sent: 9/19/14 @ 2:48 PM
Subject: FW: Los Guerreros Bakery/ 525 B-2 College Way

Ken, Can you please contact the business below

From: Lee, Ken,
To: Pritchard, Sherri; Dilley, John

Sent: 9/24/14 @ 1:23 PM
Subject: RE: Los Guerreros Bakery/ 525 B-2 College Way

I have sent the business a warning letter about putting anything into the storm drain. In the letter I told them I would have a crew check the drain and clean it if necessary, and that if substances were found in the drain they could be billed for the cleanup. Has anyone checked the drain? It did look like something has been dumped in it, see photo in attached letter. If there is cleanup involved I have no problem billing their utility bill for the service

9/29/2014 Note from Blaine:

John Dilley did talk to me about this and said that Collections did clean the drain a week or so before this was reported. The drain had staining on the grate but nothing was in the drain.

See letter from Code Enforcement to business owner below:

CED/CODE ENFORCEMENT

910 Cleveland Ave/P. O. Box 809 Mount Vernon, WA 98273 360-336-6214

September 24, 2014

Tienda Y Carniceria Los Guerreros III, LLC
525 E College Way
Mount Vernon, WA 98273

The City of Mount Vernon has been contacted by the Health Department reference illegal dumping of grease and other fluids into the storm drain behind your building by employees of your business. The site was checked and there was evidence that liquids



and other material has been dumped into the drain. See photograph below:

Be advised that the dumping of any substances into the city's storm drain system is a violation of the city's nuisance code. Specifically:

8.08.030 Nuisances generally defined.

A nuisance consists of unlawfully doing an act, or omitting to perform a duty, which acts or omissions either annoys, injures or endangers the comfort, repose, health or safety of others, offends decency, or unlawfully interferes with obstructs or tends to obstruct or

render dangerous for passage any lake or navigable river, bay, stream, canal or basin, or any public park, square, street or highway; or in any way renders persons insecure in life or the use of property. Such nuisances include, but are not limited to:

F. Illicit discharges into the municipal storm drainage system (illicit discharges are defined in Chapter 13.33.150).

A city crew will check the drain and remove any substances that may be in violation. If grease, oils or other debris is found in the drain your business may be billed for the cleanup. If there are any future violations there are possible fines of \$205 to \$1,025 per day per violation. Please give me a call at 360-336-6214 if you have any questions.

Thank you,

Ken Lee
Code Enforcement Officer
City of Mount Vernon

CALL DETAILS

Date/Time called	<input type="text" value="11/14/2014"/>
Contact Method	<input type="text" value="Phone"/>
Problem Type	<input type="text" value="IDDE - Discharge"/>
Location of problem	<input type="text" value="Trumpeter Creek off College Way near Summersun Nursury"/>
Call taken by	<input type="text" value="Blaine Chesterfield"/>

CSID ID from spreadsheet **CALLER INFORMATION**

Caller's Name	<input type="text" value="Kristi Carpenter"/>
Phone number	<input type="text"/>
Email	<input type="text"/>
Address	<input type="text" value="Skagit Conservation District"/>

STATUS

Assigned to	<input type="text"/>
Status	<input type="text" value="Closed"/>
Date/Time closed	<input type="text" value="11/14/2014"/>

COMMUNICATION LOG

Around 10:45 am - Blaine spoke to Kristi who reported a milky substance in Trumpeter Creek off of College Way near Summersun Nursery.

Later in the day Mike Sea (SCPW) phoned to report an illicit discharge (same concern) - Sherri told him we were working on it.

From: Chesterfield, Blaine

Sent: Friday, November 14, 2014 2:44 PM

To: Pritchard, Sherri, Cc: Bell, Esco; Chesterfield, Ana; Spring, Stella; Love, Mikael; Brickley, Jason

Subject: RE: Request for flagging services tomorrow at 7:00 AM for major emergency leak repair

Per a conversation with Mark Handzlik of Skagit PUD at 2:05 pm today. PUD had a water line break at Seneca Drive and N. Waugh Road this morning which released silt into Trumpeter Creek. PUD's environmental staff person and an Ecology staff person was at the site during the repair work.

Most of the silt from the water line break entered directly into the stream. However some silt entered the City's storm sewer system from the PUD's work and pumping. The site has been stabilized and the silt should be dissipating. PUD will be installing a permanent fix tomorrow morning and plans to pump all work water into the sanitary sewer.

Andrew Denham of the city WWTP plans to be on site in the morning to ensure the water is clear enough to go into the sanitary sewer. Jason Brickley the City's Streets Operations Manager has sent the street sweeper to clean up the area around Seneca and Waugh. Streets will check the area on Monday and sweep again if needed.

From: handzlik@skagitpud.org [mailto:handzlik@skagitpud.org]

Sent: Friday, November 14, 2014 3:28 PM

To: Chesterfield, Ana. Cc: Chesterfield, Blaine; 'Michael.Benton@skagitpud.org'; Sidhu@skagitpud.org; Spring, Stella

Subject: RE: Request for flagging services tomorrow at 7:00 AM for major emergency leak repair

I have updated both Blaine and Ana about the status of the site. Currently we have stabilized the site, we have stopped the water and made an initial assessment of the site. Tomorrow we will complete the investigation to determine where the leak is and make appropriate permanent repairs to the line. We will need to vac out the catch basin where we discharged our 2" trash pump when we responded to the break. When we make the final repairs tomorrow, MV Public Works has OKed our request to dewater into the sanitary sewer as long as there are no solids. We will need to put some catch basin inserts in the manhole prior to pumping to catch any solids. A representative from Mt. Vernon will be on site tomorrow at 8:00 ish to check the discharge into the sanitary sewer.

We appreciate the effort Mt. Vernon has put into helping us with stabilizing the site and facilitating the repair. Thank you

From: Spring, Stella

Sent: Friday, November 14, 2014 4:30 PM

To: Pritchard, Sherri, Cc: Chesterfield, Blaine

Subject: Silt in Trumpeter

Most of the Trumpeter IDDE is being handled by Skagit PUD, but I'm just reporting for our records

- I responded to the report of silt in Trumpeter Creek at 11:30 AM today and went out in the field to track it down.
- The area downstream of Seneca and Waugh was very turbid and silt was collecting on the stream bottom.
- I tracked it to a utilities locate area with substantial sediment on the street. The catch basin, #16-191, had some sediment on the grate. It looked like sediment had washed from this area of road into the catch basin.
- The report from Skagit PUD is that a water main broke and there was repair work in that area.

CALL DETAILS

Date/Time called	<input type="text" value="11/25/2014"/>
Contact Method	<input type="text" value="Internal"/>
Problem Type	<input type="text" value="IDDE - Discharge"/>
Location of problem	<input type="text" value="Twin Brooks 2 - Landed Gentry development off of E Division, just west of Skagit Highlands"/>
Call taken by	<input type="text" value="Ana Chesterfield"/>

CSID ID from spreadsheet **CALLER INFORMATION**

Caller's Name	<input type="text" value="Steven Baughn of Landed Gentry"/>
Phone number	<input type="text" value="(360) 755-9021"/>
Email	<input type="text" value="steve@landedgentry.com"/>
Address	<input type="text" value="Landed Gentry Homes and Communities
Old City Hall Building
504 East Fairhaven Avenue
Burlington, Washington 9823"/>

STATUS

Assigned to	<input type="text" value="CED"/>
Status	<input type="text" value="Closed"/>
Date/Time closed	<input type="text" value="11/26/2014"/>

COMMUNICATION LOG

From Steve Baughn [mailto:steve@landedgentry.com] to Stephanie Barney (Dept of Ecology): Sent: Tuesday, November 25, 2014 4:46 PM
 To: Stephanie Barney [stephanie.barney@ecy.wa.gov], Cc: Clint Lucas; Jack Davis; Kendall Gentry; Torgerson, John Subject: Twin Brooks

Stephanie,

This is a follow-up to the voice mail I left for you earlier today. This is not the formal report that I will write and send to your attention. It is simply an update to let you know I am working on it and will get it to you asap. I simply ran out of time today.

Permit No. WAR301262

Discharge Point 252

What happened:

We had this point of discharge plugged and had been pumping the stormwater to a vegetated region of the site where it was being filtered (more on that in my pending report) before discharging. The plug was an inflatable type and apparently it lost pressure and came out of the discharge pipe. The result was the discharge of turbid stormwater directly to the creek. The City was informed of the incident at the time it was discovered and John Torgerson, City Inspector, came out and took a water sample from the point of discharge with reading of 107.3 ntu. When I arrived on the site I took another reading at the same point of discharge with a reading of 97.0 ntu.

What was done after:

The inflatable plug was replaced with a mechanical plug. In addition the mechanical plug, a brace was installed against the new plug to insure that it would not dislodge again. Also, the flow control structure was installed today in the control manhole which will reduce the rate of discharge in the event of another mishap.

I will follow up on this email with a more detailed report to you and will include it in my DMR at the end of the month

From: Chesterfield, Ana
 To: Chesterfield, Blaine, Cc: Spring, Stella; Myres, Michele; Pritchard, Sherri

Sent: Wednesday, November 26, 2014 9:27 AM
 Subject: Twin Brooks 2 Dewatering Turbid Discharge

FYI. See email below. In case you get any calls.
 They have self-reported

CALL DETAILS

Date/Time called	<input type="text" value="12/22/2014"/>
Contact Method	<input type="text" value="Internal"/>
Problem Type	<input type="text" value="IDDE - Discharge"/>
Location of problem	<input type="text" value="Whole Energy Fuels 20 Alder Lane / Skagit Gleaners 1021 Riverside Drive"/>
Call taken by	<input type="text" value="Ana Chesterfield"/>

CSID ID from spreadsheet

CALLER INFORMATION

Caller's Name	<input type="text" value="Becky Zorn - Skagit PUD"/>
Phone number	<input type="text" value="(360) 424-7104"/>
Email	<input type="text"/>
Address	<input type="text"/>

STATUS

Assigned to	<input type="text"/>
Status	<input type="text" value="Closed"/>
Date/Time closed	<input type="text" value="12/23/2014"/>

COMMUNICATION LOG

From: Chesterfield, Ana
 To: Pritchard, Sherri, Cc: Chesterfield, Blaine

Sent: Tuesday, December 23, 2014 12:27 PM
 Subject: RE: Illicit Discharge-Skagit gleaners meter

I spoke to Blaine about this one and explained to him that I got a call from Skagit PUD regarding this site. I am passing on the pictures and additional information can be obtained by calling Beck Zorn at PUD. Her information is below.

Becky Zorn
 Cross-Connection Control Coordinator
 PUD #1 of Skagit County / P: 360.848.2138 / F: 360.424.8764

From: Chesterfield, Blaine
 To: Pritchard, Sherri; Lee, Ken, Cc: Chesterfield, Ana

Sent: Tuesday, December 23, 2014 1:00 PM
 Subject: RE: Illicit Discharge-Skagit gleaners meter

Sherri and Ken,
 This complaint came from Skagit PUD, Becky Zorn.
 It sounds like Skagit PUD noticed grease flowing across the parking area during routine meter checking. Let's handle this as we usually do grease from a restaurant as a code/enforcement issue.

From: Chesterfield, Blaine
 To: Chesterfield, Ana; Pritchard, Sherri, Cc: Lee, Ken

Sent: Tuesday, December 23, 2014 2:55 PM
 Subject: RE: Whole Energy

Sherri and Ana,
 Ken's site visit today revealed that the concern was located at Whole Energy Fuels Corp., 20 Alder Lane. There is no grease or glycerin getting into the storm drains. There is some glycerin getting into the water meter. A small amount of glycerin is getting into the water meter during the transfer of materials from one container to another. The company cleans up the water meter area on a regular basis.

Ken please add anything I may have missed.

I gave Becky Zorn of the PUD a phone call and updated her on our findings and the outcome.

City of Mount Vernon
 2014 NPDES Phase II Permit Annual Report
 Question 4b. Internal Coordination Mechanisms

Permit Section	City Department	Responsibilities
S5.A Stormwater Management Program (SWMP) Administration	Public Works Information Services (IS) Finance	<ul style="list-style-type: none"> • Continue development of existing NPDES SWMP cost accounting strategy and tracking system and train staff on new system. • Continue use of NPDES training management structure and tracking system. • Define and implement strategy/system for managing SOPs that are used among multiple departments. • Summarize annual activities for “Stormwater Management Program” component of Annual Report; identify and lead any updates to SWMP document. • Coordinate with other Permittees on stormwater-related policies, programs, and projects within adjacent or shared areas. • Document coordination mechanisms among departments within the Permittee’s jurisdiction.
S5.C.1 Public Education and Outreach (E&O)	Public Works IS	<ul style="list-style-type: none"> • Coordinate with Skagit Conservation District (SCD), the American Public Works Association (APWA), the Stormwater Outreach for Regional Municipalities group (STORM), and other regional efforts to implement the E&O Plan. • Continue collaboration with other NPDES municipalities and the STORM group to identify appropriate program evaluation techniques. • Continue to implement E&O strategy with SCD to supplement existing activities. • Continue developing the process to evaluate understanding and adoption of target behaviors. • Summarize annual activities for “Public Education and Outreach” component of Annual Compliance Report; identify any updates to SWMP document. • Create stewardship opportunities and/or partner with existing organizations such as Skagit Conservation District to encourage residents to participate in activities such as stream teams, storm drain marking, volunteer monitoring, riparian plantings, and education activities.
S5.C.2 Public Involvement	Public Works IS	<ul style="list-style-type: none"> • Implement public involvement opportunities for annual SWMP update and reporting process. • Make SWMP and Annual Compliance Report available to the public by posting it on the City Web site, public library, and in the Public Works Department building. Post announcements on Web site and in newspaper.

City of Mount Vernon
 2014 NPDES Phase II Permit Annual Report
 Question 4b. Internal Coordination Mechanisms

Permit Section	City Department	Responsibilities
S5.C.3 Illicit Discharge Detection and Elimination (IDDE)	Public Works Community and Economic Development (CED) Fire Department IS	<ul style="list-style-type: none"> • Maintain IDDE response process including a standard, citywide IDDE response and enforcement standard operating procedures (SOPs). • Continue to implement citywide IDDE Program. • Continue updating storm system map to address data gaps and Permit conditions. • Implements SOPs for minimizing pollutant releases from permitted non-stormwater discharges (e.g., fire hydrant system flushing, water line flushing, and dechlorinated swimming pools). • Continue to use issue-tracking and resolution system that includes enforcement actions. Capture feedback from public E&O efforts. • Refresh self-administered intranet IDDE awareness training for all municipal staff in the field. • Publicize hotline (360) 336-6204 for public reporting of spills and other illicit discharges. Create record-keeping system for all calls received and actions taken to report in annual report each year. • Track the number of illicit connection inspections. • Maintain map that shows the location of all known municipal separate storm sewer outfalls, receiving waters, and structural stormwater BMPs. • Perform visual inspection of one of three prioritized receiving water bodies. Maddox Creek outfalls were screened in 2014. • Summarize annual activities for “Illicit Discharge Detection and Elimination” component of Annual Compliance Report; identify any updates to SWMP.
S5.C.4 Controlling Runoff from New Development, Redevelopment, and Construction Sites	Public Works CED City Attorney’s Office (CAO) All other departments	<ul style="list-style-type: none"> • Continue to implement adopted codes, standards, SOPs, and the 2005 Ecology Manual. • Apply technical thresholds in Appendix 1 to all sites 1 acre or greater. • Continue evaluating and implementing the City’s stormwater permitting, plan review, inspection, enforcement, and record-keeping processes. • Track number of inspections, plan reviews, and enforcement. • Establish program to annually inspect all stormwater treatment flow control facilities (other than catch basins) permitted by the Permittee. • Conduct staff training and public E&O on implementing Stormwater Manual and Permit requirements. • Continue implementing long-term stormwater system operation and maintenance plans for stormwater facilities. • Summarize annual activities for “Controlling Runoff from New Development, Redevelopment, and Construction Sites” component of Annual Report; identify any updates to SWMP. • Begin preparation for adoption of the new Manual and process of reviewing and revising codes and standards in preparation for future compliance deadlines.

City of Mount Vernon
 2014 NPDES Phase II Permit Annual Report
 Question 4b. Internal Coordination Mechanisms

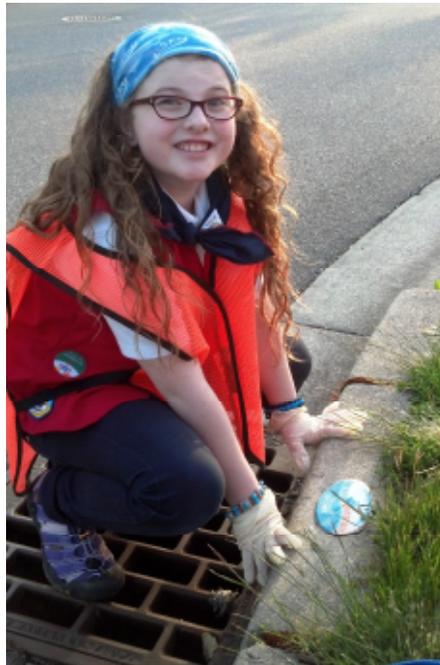
Permit Section	City Department	Responsibilities
S5.C.5 Municipal Operations and Maintenance	Public Works CAO Parks and Recreation Facilities CED	<ul style="list-style-type: none"> • Maintain records of inspections and maintenance or repair activities conducted. • Continue to implement City maintenance standards in accordance with Ecology 2005 Manual for City-performed maintenance activities. • Maintain annual inspection program for City-owned or operated stormwater catch basins and flow control and runoff treatment facilities. • Continue implementing policies and procedures for O&M activities to reduce pollutants in stormwater discharges from lands owned or maintained by the City. • Summarize annual activities for “Municipal Operations and Maintenance” component of Annual Report; identify any updates to SWPPP.
S8 Monitoring and Assessment	Public Works	<ul style="list-style-type: none"> • Notify Ecology of selected options for status and trends monitoring and for SWMP effectiveness studies for this Permit cycle. • Summarize annual monitoring activities for the Annual Compliance Report. • Continue annual payment into RSMP for small streams and marine nearshore status trends. • Continue annual payment into RSMP for effectiveness studies. • Continue annual payment into RSMP for Source Identification Information Repository.



Table of Attachments

Skagit Conservation District Storm Water Education Program 2013 Report Attachment 1
Mount Vernon Public Outreach Letter: Stream Near Your Home or Business..... Attachment 2
How Clean is Your Neighborhood Stream? Promotion Attachment 3

SKAGIT CONSERVATION DISTRICT STORM WATER EDUCATION PROGRAM 2014 REPORT



*Submitted by: Kristi Carpenter, Skagit Conservation District
for:
City of Mount Vernon
City of Burlington
City of Sedro-Woolley
City of Anacortes
Skagit County*

Storm Water Education Program Summary

This progress report summarizes the storm water public education and outreach and the public participation and involvement activities that were completed by the Skagit Conservation District over the period January 1, 2014 through December 31, 2014. The primary purpose of the Skagit Conservation District's Storm Water Education Program is to assist local jurisdictions with compliance efforts for the "Public Education and Outreach" and the "Public Participation and Involvement" requirements of the NPDES storm water permit by facilitating greater public awareness of the sensitivity of local surface waters, their beneficial uses, the detrimental effects of polluted storm water and illicit discharges, and measures that can be taken to reduce storm water pollution.

Skagit MS4 Partners: The Skagit Conservation District's Storm Water Education Program is a local partnership formed to develop and implement a comprehensive water resource education, outreach, and public involvement program. The Skagit Conservation District has formed partnerships with the City of Mount Vernon, City of Burlington, City of Sedro-Woolley, City of Anacortes, and Skagit County. With the exception of the Skagit Conservation District, all partners are MS4 communities required to prepare Storm Water Pollution Prevention Plans (SWPPP) in accordance with Phase II of the Clean Water Act. The purpose of the partnership is to work together cooperatively and share a common message, avoid duplication of efforts (which in turn will save money and resources), utilize existing programs when possible and to share resources.

Program Funding: In 2008 the Skagit Conservation District applied for, and received grant funding through the WA Dept. of Ecology's Storm Water Grants Program. The scope of work outlined in the Storm Water Education Grant guided the components of the Storm Water Education Program since the grant was received in 2008 and continued through June 2011, when the grant expired and tasks completed. During this duration, the grant was supported by partnering municipalities through direct and in kind matching funds. After completion of the grant, Memorandums of Agreement were established between the Skagit Conservation District and each of the local MS4 jurisdictions to develop and implement a collaborated scope of work to continue the public education and outreach and public participation and involvement programs to engage local support of our community and protect water quality of our streams, rivers, and marine waters.

2013 Activities

1. PUBLIC PARTICIPATION AND INVOLVEMENT

Task 1.1 Host Two Private Storm Water Facility Maintenance Workshops

Initial coordination/planning to host a Stormwater Detention Pond Maintenance Workshop in the spring of 2015 was initiated. The event is scheduled for April 9, 2015 and will be held at the City of Sedro-Woolley.

Task 1.2 Watershed Masters Volunteer Training Program

The Watershed Masters Volunteer Training Program offers an intensive forty-hour volunteer training course for interested Skagit County residents. Topics covered in the

program include an introduction to local geology, stream ecology, salmonids, soils & wetlands, nonpoint sources of pollution and storm water runoff, low impact development, composting, household hazardous waste, climate change, soils & wetlands, on-site septic system maintenance, agricultural best management practices, forest stewardship, the values and function of estuaries, and more. The training includes many expert speakers, field trips to local watersheds, and a comprehensive reference notebook. The program is designed to give participants information on ways to make positive behavioral changes in their own lives to protect water quality and to inspire local stewardship of our water resources.

Volunteers who complete the training return forty hours of service. The volunteer hours may include conducting stream restoration work, water quality monitoring, shellfish monitoring for PSP, staffing informational tables at fairs and other public events, storm drain labeling, conducting litter clean ups on local streams, making presentations to schools or community groups, etc. SCD staff works with each Watershed Master Volunteer who has completed the training to design a plan of action for returning the forty hours of training. Watershed Masters are encouraged to pursue creative projects that best meet their interest, skills, and schedule.

Over the years, participants of the Watershed Masters program have played a leading role in promoting watershed stewardship throughout our community by implementing sustainable landscaping practices in their own backyard, participating in local stewardship projects, and educating their friends, family, and neighbors.

The 2014 Watershed Masters Volunteer Training program was conducted September 24th through November 12th (8-week training) with 15 individuals completing the training. Program evaluation forms were completed by participants and included a survey of behavior changes based on information received in class. 47 sustainable backyard practices employed and reported by fall 2014 Watershed Master Graduates.

Over 3,000 volunteer hours were reported by Watershed Master Participants in 2014. Volunteer activities have included *participation in the Skagit Stream Team, Storm Team, and Marine Biotxin monitoring programs, providing staff support in hosting the “Puget Sound Starts Here” display and educational activities at local events, assisting with Rain Garden maintenance at the County Rain Garden, assisting with stream restoration projects throughout the community, leading tours at the Marblemount Fish Hatchery, conducting plant layout for a stream restoration project on Thomas Creek, providing presentations on sustainable gardening at local workshops, Admiralty Inlet restoration, participating in the Swinomish Oil Response Team, designing and installing a community demonstration naturescape garden at Alger Community Hall, storm drain labeling, assisting with maintenance at the Native Plant Demonstration Garden on Memorial Hwy., and more. One volunteer enrolled her property in the County’s NRSP program and with support from other Watershed Masters, blackberries were removed and the streambank replanted with native vegetation on Nov. 29th, 2014 (Silver Creek). Due to the energy of Watershed Masters both sides of Silver Creek have been restored in their Alger neighborhood.*

- The 2014 Watershed Masters training was ranked 4 out of 4 (with 4 being “excellent”) by all participants. A few examples of comments from participants:
 - *The experience of this course has really left an indelible mark on my mind. The speakers and our coordinator, Kristi, have all been so motivational and enjoyable.*
 - *The topics, field trips, classes and materials have all been fantastic. I’ve learned a lot about our watershed and look forward to participate in events to help rehab and sustain it.*
 - *By far the best worthwhile program I have ever encountered.*

Task 1.3 Skagit Stream Team

The Skagit Stream Team Program was established in 1998 to educate and involve local citizens in the protection and stewardship of local streams. Urban stream reaches, including Kulshan Creek & the Trumpeter basin (Mount Vernon), Gages Slough (Burlington), and Clyde Creek (Anacortes) were added to the program over the last 6 years as part of this interlocal agreement. In addition, Stream Team volunteers participated in a 3 year study of Brickyard Creek in Sedro-Woolley between 2009 & 2011. All streams are monitored twice a month with the exception of Gages Slough, which is monitored monthly.

The goals of the Skagit Stream Team program are to: 1) Inspire community stewardship of water resources by educating local citizens about land use and non-point sources of pollution and involving them in the process of water quality data gathering; 2) to develop and implement a routine sampling program that can be used to assess water quality trends, characterize the existing water quality of priority freshwater drainages, and determine how water quality conditions compare to State Standards; 3) to document improvements to water quality as a result of the implementation of Best Management Practices and stormwater prevention measures; and 4) to teach community volunteers the sampling and analytical techniques used by environmental professionals, how to manage the data collected and create a database, and the importance of establishing a long-term water quality monitoring program.

Parameters measured by Stream Team volunteers include fecal coliform (FC) bacteria, dissolved oxygen (DO), water temperature, turbidity and total depth.

- 5 Stream Team volunteers monitored the water quality of Clyde Creek in Anacortes over the 2013/2014 monitoring season (Stream Team monitoring year is October through September). The Anacortes Waste Water Treatment Plant conducts lab analysis for this program.
- 11 Stream Team volunteers monitored Kulshan Creek and Trumpeter Basin in Mount Vernon. Mount Vernon Waste Water Treatment Plant conducts lab analysis for Kulshan and Trumpeter.
- 2 Stream Team volunteers monitored Gages Slough through the 2013/14 sampling season. Edge Analytical conducted lab analysis for the Gages Slough Stream Team.

- 73 Stream Team volunteers participated in the 2013/14 Stream Team program overall, with a total of 79 currently participating in the 2014/2015 program.
- Other streams monitored by Stream Team volunteers include Joe Leary Slough, Bay View, Samish River, Nookachamps Creek, No Name Slough, and Fisher Creek. In addition, 8 volunteers conducted storm event sampling in the Edison pump station drainages and the Friday Creek watershed during the 2013/2014 season in support of the Clean Samish Initiative (Storm Team).
- Total of 50 monitoring stations were monitored twice a month by Stream Team volunteers, with the exception of Gages Slough which is monitored monthly.
- The Annual Year-End Stream Team Celebration and Recognition event was coordinated and held on June 14, 2014. 73 Stream Team volunteers were recognized.
- 1,370 Stream Team volunteer hours reported for the 2013/14 Stream Team program.
- The Annual Stream Team training was coordinated and held Sept. 3rd, 4th, and 6th, 2014.
- Data was entered on excel spreadsheet..
- The 2013/14 Annual Stream Team Report was completed and is available on our website: www.skagitcd.org.
- The annual “How Clean is Your Neighborhood Stream?” meeting was coordinated and held on Feb. 27, 2014 with 45 attendees. The purpose of the meeting is to present the annual Stream Team report and provide a water quality update to the community. Rick Haley, Skagit County Water Analyst, also provided an update on the County’s water quality monitoring program at this annual public meeting. The 2015 event is scheduled for Feb. 26, 2015.

Task 1.4 Storm Drain Labeling Program

Storm drain marking kits are available at the Skagit Conservation District. Community groups and residents are encouraged to participate in the protection of water quality by marking storm drains in their neighborhoods and throughout the community. Door knob hangars are also distributed and provide background information on stormwater runoff to homeowners in the neighborhood that the drains are being labeled.

- Staff provided support to the City of Burlington Parks and Recreation “Girl Power” workshop by supplying outreach materials on the “Operation Clean and Green Car Wash Program” and “Storm Drain Labeling” programs reaching 60 youth.
- Staff provided support to a Mount Vernon Boy Scout for his Eagle Scout project. He and his team labeled 170 storm drains and distributed 150 informational door hangars in the Skagit Valley Hospital neighborhood.
- Girl Scouts marked 12 drains in Mount Vernon.
- Staff provided support for a storm drain labeling project in Burlington. A scout completed the marking project in July to earn his Eagle Scout honors. He and his team labeled 134 storm drains and distributed 100 informational door knob hangars in the Burlington Boulevard area.
- Two Watershed Master volunteers marked 170 drains in various areas of Mount Vernon.

- The Storm Drain labeling program was promoted through both editions of the Skagit Conservation News (4,600 subscribers) and the Skagit Valley Herald. Approximately 100 promotional fliers were distributed at local events.

2. PUBLIC EDUCATION AND OUTREACH

Task 2.1 Backyard Conservation Stewardship Program

The Backyard Conservation Stewardship Short Course was piloted in 2005 with grant funding provided through the WA Dept. of Ecology's Centennial Clean Water Fund program. The overall goal of the program is "to increase public awareness on a variety of backyard conservation practices and to promote community stewardship by exploring and investigating the fascinating natural world in our own backyards." The program targets local homeowners and provides education on sustainable landscape practices as promoted by the Sustainable Sites Initiative. Program objectives:

- Participants will learn practices that can be applied in their own backyards to help reduce storm water pollution and create a healthy and more sustainable environment.
- Participants will be provided with the tools and resources to design sustainable, natural, backyard landscapes.
- To encourage community participation in the Backyard Wildlife Habitat and/or Backyard Sanctuary Certification programs.
- To create a network of community residents willing to share their love of gardening and the outdoors to inspire others to create environmentally friendly gardening practices that will benefit our community.

Topics included in the 6-week short course include proper use and disposal of pesticides, herbicides, and fertilizers (and use of non-toxic alternatives), use of native plants in landscaping, reducing size of lawn, gardening for wildlife, using bees as pollinators, applying low impact development/rain gardens, use of permeable pavement for driveways and patios, composting, managing non-native invasives, how to build healthy soils, proper disposal of pet waste, preventive car maintenance, and more. Sessions are taught by local experts.

Outcomes: The Backyard Conservation Stewardship Short Course has played a key role in our efforts to increase levels of voluntary implementation of conservation practices on private lands in both urban and rural areas of our community. In addition to making sustainable change in their own backyards, three grassroots community volunteer groups were formed from this program, including the Fidalgo Backyard Wildlife Habitat Group in Anacortes, Skagit Valley Backyard Wildlife Habitat Team (Mount Vernon, Conway, LaConner, & Bow), and the Friday Creek Habitat Team, which includes Burlington and Sedro-Woolley. These citizen groups have registered our communities with the National Wildlife Federation's Community Wildlife Habitat Program (Fidalgo and Skagit have already received national recognition as a "Community Wildlife Habitat," and Friday Creek is in progress). Over 1,000 Skagit County residents, and including schools, parks, farms, & businesses, have certified their yards through this program.

- The Backyard Conservation Stewardship Short Course was held every Wednesday evening beginning March 26th and continued through April 30th (6 weeks). The program also included 2 field tours, including a visit to the WSU Extension Discovery Garden (composting, soils, & native plants), and a Saturday field tour of resident's homes who have taken the class in previous years and have employed sustainable backyard practices on their properties. 50 individuals completed the spring course.
- Staff provided ongoing support and assistance to Backyard Conservation Stewardship program volunteers throughout the year.
- Staff hosted and facilitated monthly meetings with the Friday Creek Habitat Stewards.
- The habitat team volunteer groups hosted educational displays at numerous community events, including local farmers markets, Alger Fun Raiser, Skagit River Salmon Festival, Festival of Family Farms, SCD's Annual Native Plant Sale, Kids in Nature: Families Outdoors at Pomona Grange Park, "End of the Trail" celebration, and at numerous related workshops held in the community.
- With support from the Friday Creek Habitat Stewards, Watershed Masters, residents of the Alger Community, and a Rose Foundation grant, a Naturescape Demonstration Garden was established at the Alger Community Hall. Educational signage was designed and installed at the garden in July 2014. The garden includes a pollinator habitat garden, wildlife habitat garden, and an opportunity to showcase native plants and drought tolerant plants that can be used in the home garden.
- A "Grand Opening" and celebration of the new Demonstration Naturescape Garden was held on July 12th with over 40 attendees.
- Maintenance and educational opportunities at the Kulshan Creek Bird and Butterfly Demonstration Garden continued with support from backyard habitat volunteers and Kulshan neighborhood families.
- Other projects undertaken over the year by the backyard conservation volunteers with support from SCD included:
 - 1) April 12th – Garden Swap, Sale, and Arbor Day Celebration (gave away 100 native plants in celebration of Arbor Day) – 250 attendees
 - 2) May 22nd – Wonders of Bats Workshop (promote pollinators) – 42 attendees.
 - 3) May 27th – Planting a Native Hedgerow Workshop – 38 attendees.
 - 4) June 19th – Gardening for Wildlife Family Event (Art for Learning at Padilla Bay Research Reserve) – 25 attendees.
 - 5) July 20th – Sustainable Samish Garden Tour – 85+ attendees.
 - 6) August 16th – Kids in Nature: Families Outdoors at Pomona Grange Park – 65+ attendees.

Task 2.2 Resource Materials/Education for Local Schools

Skagit Conservation District provides support to local schools by providing educational resources and presentations throughout the year.

- Educational packets were prepared and distributed to 500 local teachers. The packets include information on storm water, watersheds, and other resources and

- educational programs available for teachers and classrooms through the Skagit Conservation District. Promotion of the EnviroScape Model (storm water runoff and non-point source pollution) was also distributed.
- 20 storm water education presentations, using the EnviroScape watershed model, were conducted in 2014 at local elementary schools in the following jurisdictions:
 - Anacortes: 4 presentations to 104 students
 - Burlington: 2 presentation2 to 45 students
 - Mount Vernon: 4 presentations to 85 students
 - Sedro-Woolley: 8 presentations to 161 students
 - Skagit County: 2 presentations to 38 students
 - EnviroScape watershed model presentations were also provided at the Mount Vernon High School Science Night in April (200+ attendees), the Kids in Nature: Families Outdoors at Pomona Grange Park on August 16th (65+ attendees) and the Skagit River Salmon Festival on September 13th (2,500 attendees).
 - Staff provided support to Peter Donaldson, Sustainability Ambassadors, in providing an intensive stormwater education opportunity for Burlington-Edison High School North students which took place on April 15th, April 22nd, April 29th and April 30th. The 30 students were lead through education and research and followed up by giving presentations to a large group of City of Burlington and Burlington School District officials. The students also researched local rain gardens and put them on the 1,000 Rain Gardens website. One student designed a brochure highlighting the rain gardens for the Master Gardeners program. There was also meetings and discussion on working with the students to install a rain garden at the school. This is temporarily on hold due to classroom commitments.
 - A total of 250 “Discover Storm Water” educational booklets were distributed.
 - 300 “10 Things You Can Do to Prevent Stormwater Runoff Pollution” bookmarks distributed.
 - 220 National Association of Conservation District’s “Where Does Your Water Shed” activity booklets and bookmarks distributed.

Task 2.3 Storm Water Poster Contests

A Stormwater themed poster contest was conducted for local students, grades K – 12 in Anacortes, Burlington, Mount Vernon, Sedro-Woolley and Skagit County (Conway, LaConner, & Concrete) during the fall of 2014. A total of 137 posters were received from students. However, no posters were received from Anacortes or Sedro-Woolley Schools. Thus, staff is following up in Spring of 2015 to try to get participation from all school districts. In addition, all posters will be reviewed in spring of 2015 and prizes/awards also will be conducted at that time.

Task 2.4 Storm Water Educational Brochures and Fact Sheets.

No educational brochures or fact sheets were designed in 2014, however, work was initiated including discussing fact sheet needs with partners. Plans underway for 2015.

Task 2.5 Workshops for Local Contractors and Businesses

An EcoPRO Sustainable Landscape training for Landscape Professionals was organized in partnership with Washington Association of Landscape Professionals (WALP) and Washington State Nursery and Landscape Association (WSNLA) and held on November 17th, 18th, and 19th and held at the WSU Extension Research Center on Memorial Hwy. The test was held on November 20th for those interested in earning their EcoPRO Certification. The training, study materials, and exam are based on 200+ sustainable best practices and required study materials. To earn ecoPRO certification, professional landscapers must demonstrate knowledge of, and voluntarily practice sustainable best landscape practices in the following eight key principles:

- Protect and Conserve Soils
- Conserve Water
- Protect Water and Air Quality
- Protect and Create Wildlife Habitat
- Conserve Energy
- Sustain Healthy Plants
- Use Sustainable Methods and Materials
- Protect and Enhance Human Health and Well-being

The program was designed to address Washington State habitat, water quality, conservation, toxics reductions issues, and to holistically address the landscape. Twelve professional landscapers from the November training passed the test and earned the ecoPRO certification. A few of the participants did not have the required professional credentials to take the test to earn the certification but plan on utilizing the sustainable practices taught in the training.

Coordination/planning of additional trainings for local landscape professionals was also conducted in 2014 with a Sustainable Landscape workshop scheduled for May 6th, 2015 at the Padilla Bay Research Reserve. Two local ecoPRO Certified Landscape Professionals, Everett Chu and Ian Horton are providing support in planning the event.

Task 2.6 PSSH Community Event Display Board

Staff hosted the Puget Sound Starts Here educational display and “Healthy Water Hopscotch Game” at numerous local events in 2014 including the Skagit River Salmon Festival, Fidalog Bay Days, Festival of Family Farms, Letterbox Trail Celebration, Storming the Sound, Kids in Nature: Families Outdoors at Pomona Grange Park event, reaching over 4,000 individuals. Youth participating in the “Healthy Water Hopscotch” game activity earned their PSSH Drain Ranger badge. In addition over 250 PSSH pet waste dispensers, shopping totes and beverage coasters were also distributed to promote the Puget Sound Starts Here message.

Task 2.7 Produce Media Advertisements

Staff coordinated with National Cinemedia to run the Puget Sound Starts Here promotional ad at the Cascade Mall and Anacortes cinemas from May 2nd, 2014 through July 10th, 2014. All of our local logos are shown at the end of the ad. It was estimated by NCM that approximately 77,376 saw the ad over the 10 week period.

OTHER STORMWATER RELATED EDUCATIONAL ACTIVITIES (funded by other sources):

Clean and Green Car Wash Kits

The Clean and Green Car Wash kit program continued to be promoted throughout the community and each partnering jurisdiction continued to check out the kits to groups hosting car wash events.

Storm Water/Low Impact Development Presentations

In 2014 staff provided power point presentations on storm water and an introduction to low impact development and raingardens to 2 gardening clubs (Nitty Gritty and Chuckanut Garden Club) and at 5 events to approximately 200 people.

Arbor Day Trees

Provided over 500 native plant seedlings to classrooms and youth groups throughout Skagit County in celebration of Arbor Day in April.

EDUCATIONAL MATERIALS DISTRIBUTED:

- 15 Pet waste educational posters & outdoor signs distributed
- 200 Low Impact Development: Coming to a Neighborhood Near You” brochures distributed.
- 250 Soil & Mulch: The Foundation of a Healthy Yard brochures distributed.
- 250 Planning & Planting a Sustainable Landscape brochures distributed.
- 250 Watering Wisely brochures distributed.
- 250 Think Twice Before Using Pesticides brochures distributed.
- 250 Natural Lawn Care brochures distributed.
- 10 “Good Cleaning Practices for the Food and Restaurant Industry” posters distributed.
- 10 “Good Cleaning Practices for the Automotive Industry” distributed.
- 12 Best Management Practices for Power Washing fact sheets distributed.
- 15 Best Management Practices for Mobile Carpet Cleaners distributed.
- 100 copies of the 2012/13 Skagit Stream Team Reports distributed (the report is also on the SCD and Padilla Bay Reserve websites).
- 150 Rain Garden Manuals distributed.
- 250 “Discover Storm water” educational booklets distributed (Project Wet).
- 300 “10 Things You Can Do to Prevent Stormwater Pollution” bookmarks distributed.
- 220 NACD “Where Does Your Water Shed” activity booklets and bookmarks distributed.
- 500 Drain Ranger Badges distributed
- 100 Storm Drain marking volunteer program promotional fliers distributed.
- 25 Clean and Green Car Wash Kit promotional fliers distributed.
- 125 “Home Tips for Healthy Streams” brochures distributed.
- 150 “10 Essentials Checklist for Rural Landowners” distributed.

- 50 “Turning the Tide on Toxics” publications distributed.
- 50 Natural Yard Care Booklets distributed.
- 125 SCD Best Management Practices for Skagit Livestock Owners distributed.
- 80 Backyard Conservation books distributed
- 150 Native plants of the Pacific Northwest distributed.

Numerous other related handouts are provided to participants of the WSM, Backyard Conservation Stewardship Short Course, Stream Team and participants of workshops & events.

Other (funded through other sources)

- Staff continued to participate on the Skagit EcoNet committee.
- Staff continues to serve on the Board for the Skagit Conservation Education Alliance (SCEA).
- Staff attended scheduled meetings with local NPDES partners.
- Staff published several storm water related articles for the two 2014 publications of the Skagit Conservation News – distribution 4,600+ per publication. Topics included: Storm water classroom presentations with the EnviroScape watershed model; storm drain marking events with local youth; promoted program and recognized participants of the Backyard Conservation Stewardship Short Course; Stream Team welcome and recognition, promoted program and recognized Watershed Masters.

ACTIVITIES PLANNED FOR 2015

- The Backyard Conservation Stewardship Short Course will be conducted in the spring of 2015
- Stormwater Detention Pond Maintenance Workshop scheduled for April 9, 2015.
- Sustainable Landscaping Workshop scheduled for May 6, 2015.
- Storm drain labeling will continue.
- Skagit Stream Team program will continue with the annual training scheduled for September.
- The Annual Stream Team Water Quality Report will be published.
- 2 educational brochures/tip sheets will be published.
- The Storm water Education Poster Contest will be held in all jurisdictions in the spring of 2015.
- Informational packets highlighting storm water and water quality education will once again be distributed to local schools.
- Staff will continue to provide presentations on storm water education with the watershed EnviroScape model to local school groups.
- Watershed Masters Volunteer training will be held in the fall of 2015.
- Will participate at local events with the storm water education display (and will continue to enhance the display and handouts).
- Media advertisements will be produced for local media.
- Staff will host the PSSH educational display and “PSSH Water Quality Hopscotch” activity at local events.

- The SCD website will continue to be updated to include relevant storm water and LID information.
- News articles highlighting storm water education, LID practices, and volunteer opportunities will be included in each of the Skagit Conservation District's newsletters.
- Staff will continue to provide presentations to local groups on storm water and LID as requested.
- Stream Team data will be reviewed and will be used to target priority neighborhoods for follow-up education.
- Staff will continue to provide support to the Watershed Masters, backyard wildlife habitat volunteers, and Skagit Stream Team volunteers.
- All projects will be tracked, evaluation surveys conducted when appropriate, and reporting will continue.



October 2014

Reference: Stream Near Your Home or Business

Dear Mount Vernon Resident or Business Owner:

This letter is being sent to you because your home or business is located in close proximity to a regulated stream. Enclosed is a map that identifies your property in relationship to this stream.

WHY IS THIS STREAM IMPORTANT? Mount Vernon has 23 different streams that flow through the City and into the Skagit River. The Skagit River is the third largest river system on the west coast – and is the only river system in Washington that supports all five species of salmon and steelhead.

HOW CAN YOU HELP? Please take care to protect the stream near your home. Following is a list of things that you can do to help protect our City streams:

- Use fertilizers and pesticides sparingly in your landscape areas.
- Check your car for leaks — and get leaks fixed immediately.
- Pick up pet waste, don't leave it to wash into a stream or stormdrain that flows to a stream.
- Start a compost pile instead of disposing of yard waste.
- Sweep and throw away debris from driveways, sidewalks, and roads instead of using a hose.
- Learn about Integrated Pest Management (IPM) to reduce (or eliminate) the use of harmful pesticides.

DO YOU WANT TO LEARN MORE? See the resources below:

AGENCY:

City of Mount Vernon
CEDD & Public Works

CONTACT NUMBER:

360-336-6214

WEBSITE:

www.mountvernonwa.gov

Skagit Conservation District

360-428-4313

www.skagitcd.org

Skagit Fisheries Enhancement Group

360-336-0172

www.skagitfisheries.org

Puget Sound Partnership:
Puget Sound Starts Here

206-462-2275

www.pugetsoundstartshere.org

WA State Department of Ecology

360-407-6489

www.ecy.wa.gov



Octubre de 2014

Estimado Mount Vernon residente o dueño de negocio:

Esta carta fue enviada a usted porque su casa o negocio se encuentra en las proximidades de una corriente regulada. Adjunto hay un mapa que identifica su propiedad en relación con esta corriente.

POR QUÉ ES IMPORTANTE ESTA SECUENCIA? Mount Vernon tiene 23 diferentes corrientes que fluyen a través de la ciudad y al río Skagit. El río Skagit es el sistema del río tercero más grande en la costa oeste – y el único sistema del río en Washington que apoya todas las cinco especies de salmón y trucha.

¿CÓMO PUEDE USTED AYUDAR? Por favor tenga cuidado de proteger el flujo cerca de su casa. Lo que sigue es una lista de cosas que usted puede hacer para ayudar a proteger nuestros arroyos de la ciudad:

- Uso de fertilizantes y pesticidas con moderación en sus parajes.
- Revisa tu auto de fugas — corrija fugas inmediatamente.
- Recoger desechos de las mascotas, no deje que se lave en una corriente o aguas que desemboca en una secuencia.
- Comience una pila de compost en lugar de eliminación de desechos de jardín.
- Barrer y tirar los residuos de las calzadas, aceras y caminos en lugar de usar una manguera.
- Aprender sobre manejo integrado de plagas (MIP) para reducir (o eliminar) el uso de pesticidas nocivos.

QUIERES SABER MÁS? Vea los siguientes recursos:

AGENCIA:	NÚMERO DE CONTACTO:	SITIO WEB:
Ciudad de Mount Vernon CEDD & Public Works	360-336-6214	www.mountvernonwa.gov
Skagit Conservation District	360-428-4313	www.skagitcd.org
Skagit Fisheries Enhancement Group	360-336-0172	www.skagitfisheries.org
Puget Sound Partnership: Puget Sound comienza aquí	206-462-2275	www.pugetsoundstartshere.org
WA State Department of Ecology	360-407-6489	www.ecy.wa.gov



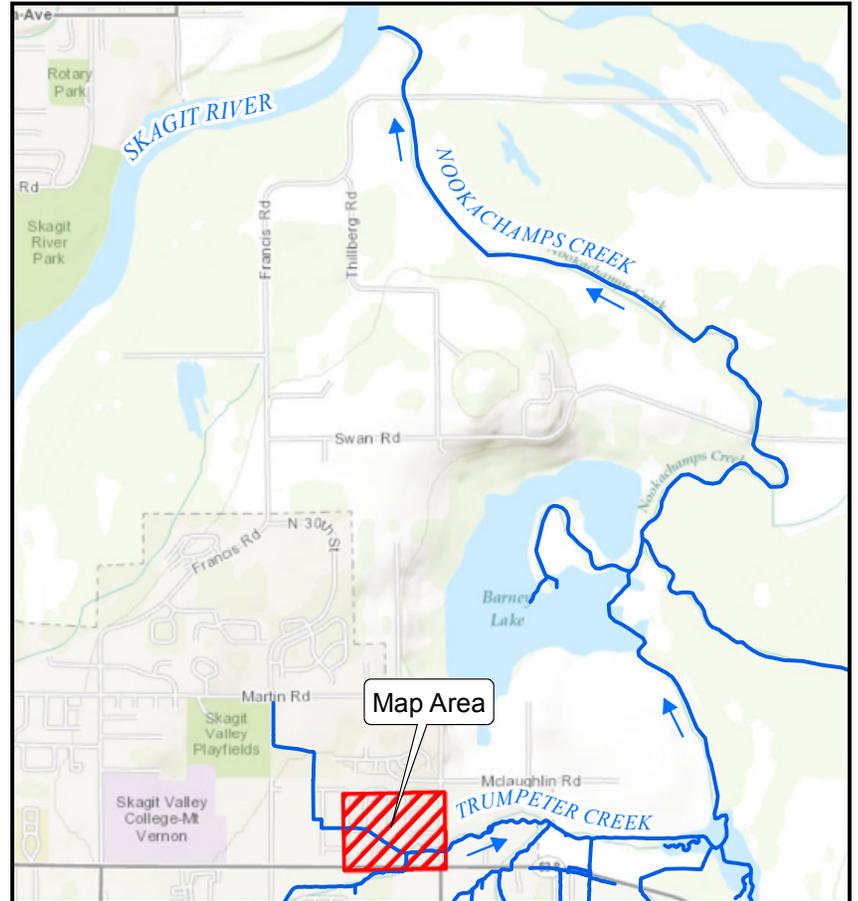
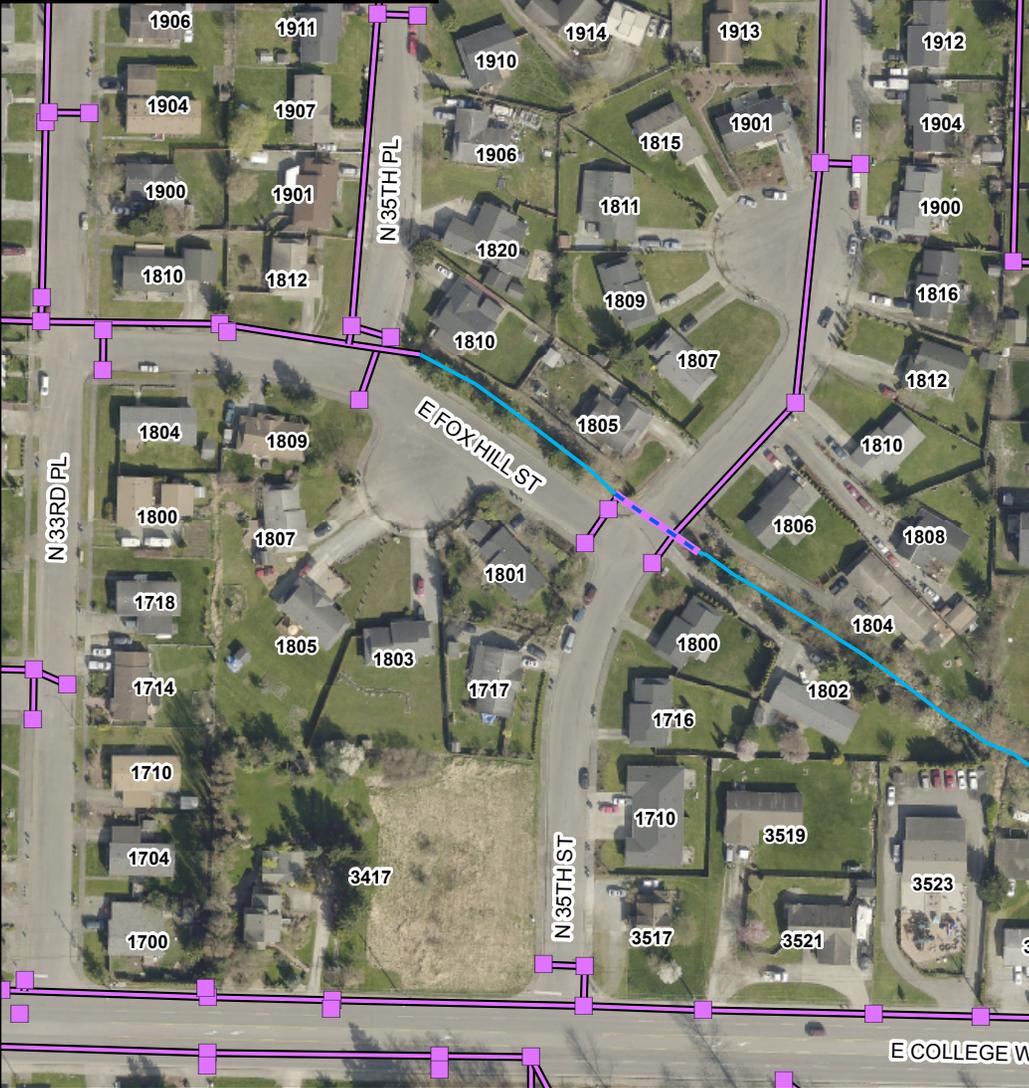
Surface Water Vicinity Map

Legend

- Storm Drain
- Open Channel Stream
- Storm Drain Culvert
- Storm Drain Conveyance Pipe



COMV CED 9/30/14



WHAT IS NONPOINT SOURCE (NPS) POLLUTION?

NPS pollution is the greatest threat to U.S. waterways. Each of us contributes to nonpoint source pollution and each of us can prevent it. NPS pollution occurs when pollutants (e.g., oil, animal waste) are placed, spilled, or dumped on the ground. Rain washes these pollutants from the ground into local waterways via storm drains.



WHAT IS A STORM DRAIN?

Storm drains prevent flooding by moving rainwater into local waterways.



Storm drains also allow NPS pollutants access to these waterways.



Storm drains DO NOT lead to a treatment plant.



Any outside drain that collects rainwater is a storm drain (e.g., street drains, ditches).

Storm drains are located within watersheds

KEEP THESE COMMON NONPOINT SOURCE POLLUTANTS OUT OF OUR STREAMS!



YARD WASTE

Compost yard waste (leaves, grass, etc). Don't blow waste into the street or storm drain.



FERTILIZERS & PESTICIDES

These products are often overused. Follow label directions. Do not apply to paved areas. Follow local regulations for waste disposal.



OIL LEAKS

Repair oil leaks from your car promptly. Recycle waste oil. Don't pour waste oil onto the ground or into a storm drain.



PET WASTE

Don't throw animal waste into the street or storm drain. Bag it and throw it away in the trash. Remember, it's your doodie!



TRASH

Don't litter. Place all trash in bags and store in a trash can with a secure lid. Don't throw loose trash into the bed of your pickup. Cover your load.



CAR WASHING SOAP

Wash cars at a commercial car wash or on a grassy area, not your driveway.

¿QUÉ ES LA CONTAMINACIÓN INDIRECTA (NONPOINT SOURCE INPSI POLLUTION)?

La contaminación indirecta es la gran amenaza para el agua de los Estados Unidos. Cada uno de nosotros contribuye a esta contaminación y cada uno de nosotros puede prevenirla. La contaminación indirecta ocurre cuando los contaminantes (por ejemplo, aceites, heces de animales) son colocados, derramados, o vertidos en la tierra. La lluvia arrastra esta contaminación de la tierra a las aguas locales por medio de los drenajes o alcantarillas.



¿QUÉ ES DRENAJE O ALCANTARILLA?

Los drenajes o alcantarillas previenen inundaciones al permitir el movimiento de la lluvia hacia las aguas locales.



Ellos también permiten que los contaminantes entren en el agua.



Los drenajes o los desagües/alcantarillas NO llevan a una planta de tratamiento.



Cualquier drenaje o alcantarilla ubicada afuera que recoja agua de lluvia es en realidad un drenaje o una alcantarilla, por ejemplo los drenajes en las calles o las zanjas.

Los drenajes o alcantarillas están localizados dentro de las cuencas.

MANTENGA FUERA DE LOS ARROYOS TODOS ESTOS CONTAMINANTES INDIRECTOS



DESPERDICIO DE JARDINERÍA

Use el desperdicio de jardinería (hojas, pasto, o césped, etc.). No sople los desperdicios a la calle o al drenaje o alcantarilla.



FERTILIZANTES Y PESTICIDAS

Estos productos son abusados con frecuencia. Siga las direcciones que vienen en la etiqueta. No los aplique en las áreas pavimentadas. Siga las regulaciones locales para la eliminación de desperdicios.



GOTERA DE ACEITE

Repare las goteras de aceite rápidamente. Recicle los desechos de aceite. No riegue desperdicios en el suelo o dentro de un drenaje o un desagüe.



LAS HECES DE LOS ANIMALES

No arroje las heces de los animales en la calle o drenaje o desagües. Póngalo en una bolsa y eche la bolsa al basurero.



BASURA

No tire basura. Coloque todas la basura en bolsas y póngalas en canecas de basura con una tapa que asegure. No arroje basura suelta al fondo de su camioneta. Cubra su carga.



LAVADO DE CARROS CON JABÓN

Lave sus carros en un lavadero de carros comercial o en una área con pasto o césped.

You are invited!
How Clean is Your Neighborhood Stream?



Meeting Highlights:

Join us at this annual meeting and learn about the health of our local streams and rivers. Results of the 2013-14 Skagit Stream Team, Storm Team, and Skagit County's water quality monitoring programs will be presented at this meeting. Learn about the benefits of clean water for you and our community and what our role is in protecting and improving the health of our waters.

Great company and light refreshments will also be served!

Thursday, February 26th, 2015
6:30 p.m. - 9:00 p.m.
PADILLA BAY RESEARCH RESERVE
10441 Bay View Edison Road



Questions?

Contact Kristi Carpenter,
Skagit Conservation District at
428-4313 or email: Kristi@skagited.org

