I. Permittee Information

Permittee Name City of Mount Vernon	**Permittee Coverage Number** WAR04-5553
Contact Name Blaine Chesterfield	**Phone Number** 360-336-6204
Mailing Address 910 Cleveland Ave PO Box 809	
City Mount Vernon	**State** **Zip + 4** WA 98273-4212
Email Adddress	

II. Regulated Small MS4 Location

Jurisdiction Mount Vernon	***Entity Type: Check the box that applies*** **County**	**City/Town**	**Other**
		X	
Major Receiving Water(s) Skagit River			

III. Relying on another Governmental Entity

If you are relying on another governmental entity to satisfy one or more of the permit obligations, list the entity and briefly describe the permit obligation(s) they are implementing on your behalf below. ***Attach a copy of your agreement with the other entity to provide additional detail.***

Name of Entity:	**Permit Obligation(s):**
Skagit Conservation District	Education and Outreach (see Attachment 2)

IV. Certification

All annual reports must be signed and certified by the responsible official(s) of permittee or co-permittees. Please print and sign this page of the reporting form and mail it (with an original signature) to Ecology at the address noted below. An electronic signature will not suffice.

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that Qualified Personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering 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 willful violations.

Name	Blaine Chesterfield (see Att. #1)	Title	Public Works, Engineering Manager	Date	
Name		Title		Date	
Name		Title		Date	
Name		Title		Date	
Name		Title		Date	

VI. Status Report Covering Calendar Yr: **2011** **Jurisdiction Name:** **Mount Vernon**

PLEASE indicate reporting year and your jurisdiction in Line 1, above.

PLEASE refer to the INSTRUCTIONS tab for assistance filling out this table.

NOTE: For clarification on how to answer questions, place cursor over cells with red flags.
NOTE: Please answer all questions.
PLEASE review your work for completeness and accuracy. Save this worksheet as you go!

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
1.	**Attached** annual written update of Permittee's Stormwater Management Program (SWMP), including applicable requirements under S5.A.2 and S9?	Y		SWMP is attached	Attachment #3 MountVernon_SWMP12.doc
2.	**Attached** 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, and implications for the SWMP as per S9.E.3?	NA		City has no annexations, incorporations, or boundary changes during the reporting period.	
3.	Implemented an ongoing program for gathering, tracking, maintaining, and using information to evaluate SWMP development, implementation and permit compliance and to set priorities? (S5.A.3)	Y			
4.	Began tracking costs or estimated costs of the development and implementation of the SWMP? (*Required* no later than January 1, 2009, S5.A.3.a)	Y		The City maintains a spreadsheet that tracks the costs of each NPDES permit related requirement and the associated costs.	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
5.	SWMP includes an education program aimed at residents, businesses, industries, elected officials, policy makers, planning staff and other employees of the Permittee? (*Required to begin* by February 15, 2009, S5.C.1)	Y		Education and outreach program for the City is implemented primarily by the Skagit Conservation District	
6.	Distributed appropriate information to target audiences identified in the area served by the MS4? (*Required to begin* by February 15, 2009, S5.C.1.a)	Y			
7.	Tracked the types of public education and outreach activities implemented. (*Required to begin* by February 15, 2009, S5.C.1.c)	Y		Skagit Conservation District sends the City an Annual Report each year summarizing all activities.	Attachment #4 Skagit Conservation District Annual Report
7b.	Number of activities implemented:		11	Number of distinct activity types. Numerous activities of each type. See attachment for SCD activities. In addition to SCD activities, the City also distributed educational beverage coasters and coffee sleeves to local businesses, distributed mutt mitts, adn installed pet waste signs.	Attachment #4 Skagit Conservation District Annual Report
8.	Measured the understanding and adoption of the targeted behaviors among at least one targeted audience in at least one subject area. (*Required to begin* by February 15, 2009, S5.C.1.b)	Y		The Skagit Conservation District tracks the understanding of participants in all classes it provides by performing surveys. The City is also a member of the regional efforts conducted under the STORM group.	
9.	Provided opportunities for the public to participate in the decision making processes involving the development, implementation and updates of the Permittee's SWMP? (*Required* by February 15, 2008, S5.C.2.a)	Y		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.	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
10.	Developed and implemented a process for public involvement and consideration of public comments on the SWMP? (*Required* by February 15, 2008, S5.C.2.a)	Y		Process includes posting SWMP on internet for public comment 2 weeks prior to presentation at Public Works committee meeting. Public will be informed via newspaper, internet, and public television. Committee meeting is open to public.	
11.	Made the most current version of the SWMP available to the public. (S5.C.2.b)	Y			
12.	Posted the SWMP and latest annual report on your website. (S5.C.2.b)	Y			
12b.	NOTE website address in *Attachment* field:				http://www.ci.mount-vernon.wa.us/surface_water_utility
13.	Initiated or implemented an ongoing program to detect and remove illicit connections and illegal discharges into the Permittee's MS4? (*Required* August 19, 2011, S5.C.3)	Y		City has developed a map with outfall locations, has trained staff in IDDE awareness and detection, updated codes, and maintains spill hotline.	
14.	Developed and currently maintain a map of your MS4? (*Required* by February 16, 2011, S5.C.3.a)	Y			See Attachment #5 City of Mount Vernon Stormwater System Map
14b.	Initiated a program to develop and maintain a map of all connections to the MS4 authorized or allowed by the Permittee after the Permit effective date? (S5.C.3.a.ii)	Y		Map has been created and is updated as new facilities are installed.	See Attachment #5 City of Mount Vernon Stormwater System Map
15.	Map shows the location of all known municipal separate storm sewer outfalls, receiving waters and structural stormwater BMPs owned, operated, or maintained by the Permittee? (*Required* by February 16, 2011, S5.C.3.a.i)	Y			

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
16.	Map shows all storm sewer outfalls with a 24 inch nominal diameter or larger, or an equivalent cross-sectional area for non-pipe systems and includes tributary conveyances, associated drainage areas and land use? (*Required* by February 16, 2011, S5.C.3.a.i)	Y		More detailed land use data accessible in GIS	
17.	Map shows geographic areas served by the Permittee's MS4 that do not discharge stormwater to surface waters? (*Required* by February 16, 2011, S5.C.3.a.iii)	Y			
18.	Map has been made available upon request? (S5.C.3.a.iv)	Y			
19.	Developed and implemented regulatory actions necessary to effectively prohibit non-stormwater, illicit discharges into the Permittee's MS4? (*Required* by August 15, 2009, S5.C.3.b)	Y		Municipal Code Section 13.33.080	
20.	Developed and implemented an ongoing program to detect and address non-stormwater illicit discharges, including spills, and illicit connections into the Permittee's MS4? (*Required* by August 19, 2011, S5.C.3.c)	Y		Conduct video surveys of buried pipes for condition assessment and detecting illicit connections. Have spill hotline and response program for responding to illicit discharges.	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
21.	Developed procedures for locating priority areas likely to have illicit discharges, including at a minimum: evaluating land uses and associated business/industrial activities present; areas where complaints have been registered in the past; and areas with storage of large quantities of materials that could result in illicit discharges, including spills? (*Required* by August 19, 2011, S5.C.3.c.i)	Y		In developing the City's IDDE plan, assessments of high priority drainage areas were completed, including assessing areas likely to have illicit discharges, and areas containing businesses.	
22.	Implemented field assessment activities, including visual inspection of priority outfalls identified during dry weather, and for the purposes of verifying outfall locations, identifying previously unknown outfalls, and detecting illicit discharges. (*Required* by August 19, 2011, S5.C.3.c.ii)	Y		Assessed outfalls for the Britt Slough drainage basin during dry weather.	
23.	Prioritized receiving waters for visual inspection? (*Required* by February 16, 2010, S5.C.3.c.ii)	Y		The City's IDDE Plan prioritizes three water bodies for visual inspection - Kulshan Creek, Trumpeter Creek, and Maddox Creek	
24.	Conducted field assessments for three high priority water bodies? (*Required* by February 16, 2011, S5.C.3.c.ii)	Y		City hired a contractor to conduct field assessments of Kulshan, Trumpeter, and Maddox Creeks.	
25.	Conducted field assessments on at least one high priority water body? (*Required* annually **after** February 16, 2011, S5.C.3.c.ii)	Y		Completed field assessment of Britt Slough outfalls	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
26.	Developed and implemented procedures for characterizing the nature of, and potential public or environmental threat posed by, any illicit discharges found by or reported to the Permittee? (*Required* by August 19, 2011, S5.C.3.c.iii)	Y		City IDDE Plan	
27.	Developed and implemented procedures for tracing the source of an illicit discharge; including visual inspections, and when necessary, opening manholes, using mobile cameras, collecting and analyzing water samples, and/or other detailed inspection procedures? (*Required* by August 19, 2011, S5.C.3.c.iv)	Y		City IDDE Plan	
28.	Developed and implemented procedures for removing the source of the discharge, including notification of appropriate authorities; notification of the property owner; technical assistance for eliminating the discharge; follow-up inspections; and escalating enforcement and legal actions if the discharge is not eliminated? (*Required* by August 19, 2011, S5.C.3.c.v.)	Y		City IDDE Plan, Municipal Code Title 19	
29.	Informed public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste? (*Required* by August 19, 2011, S5.C.3.d)	Y		SCD conducts public education and outreach activities. Skagit Health District also visits businesses to talk about sources of stormwater pollution, inspect sites, and send follow-up letter if needed, copying the City. The City also conducted a Source Control workshop for south Mount Vernon businesses.	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
30.	Distributed appropriate information to target audiences identified pursuant to S5.C.1? (*Required* by August 19, 2011, S5.C.3.d.i)	Y		SCD conducts public education and outreach activities.	
31.	Publicized a hotline or other local telephone number for public reporting of spills and other illicit discharges? *(Required* by February 15, 2009, S5.C.3.d.ii)	Y			
31b.	Number of hotline calls received:		13		
31c.	Number of follow-up actions taken in response to calls:		13		
32	Maintained a hotline or other reporting number for public reporting of illicit discharges, including spills? (*Required* by February 15, 2009, S5.C.3.d.ii)	Y			
32b.	NOTE hotline number in *Comments* field			360-336-6204	
33	Tracked the number of illicit discharges, including spills, identified? (*Required* by August 19, 2011, S5.C.3.e)	Y			See Attachment #6, IDDE Report
33b.	Number of illicit discharges identified:		13	Includes reported illicit discharges that were determined after inspection to not be actual illicit discharges.	
34	Tracked the number of inspections made for illicit connections? (*Required* by August 19, 2011, S5.C.3.e)	Y			See Attachment #6, IDDE Report
34b.	Number of inspections:		13		
35	Received feedback from IDDE public education efforts? (*Required* by August 19, 2011, S5.C.3.e)	Y		SCD obtains feedback for public education efforts via evaluations for Watershed Masters and Backyard Conservation programs.	
36	**Attached** report on IDDE public education efforts? (*Required* by August 19, 2011, S5.C.3.d, S5.C.3.e)	Y			See Attachment #9, SCD Evaluation Results

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
37	Municipal field staff responsible for identification, investigation, termination, cleanup, and reporting of illicit discharges, improper disposal and illicit connections are trained to conduct these activities? (*Required* by August 15, 2009, S5.C.3.f.i)	Y		All staff have had in-person training in 2008 or 2009, as well as self-administered refresher training in 2010. Any new hires have taken the self-administered training.	
37b.	Number of trainings provided:		0	No new staff.	
37c.	Number of staff trained:		0		
38	Provided follow-up training as needed to address changes in procedures, techniques or requirements? (*Required* by August 15, 2009, S5.C.3.f.i)	Y		City intranet hosts self administered training with videos for new employees and refresher training. All staff previously trained. Training renewal scheduled for 2012.	
38b.	Number of trainings provided:		0		
38c.	Number of staff trained:		0		
39	Developed and implemented an ongoing training program on the identification of an illicit discharge/connection, and on the proper procedures for reporting and responding to the illicit discharge/ connection for all municipal field staff, which, as part of their normal job responsibilities, might come into contact with or otherwise observe an illicit discharge or illicit connection to the storm sewer system? (*Required* by February 16, 2010, S5.C.3.f.ii.)	Y		Hosted three in person training sessions and the City intranet hosts self administered training with videos for new employees and refresher training. All staff previously trained through 2010. Training planned renewal in 2012.	
39b.	Number of trainings provided:		0		
39c.	Number of staff trained:		0		

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
40	Developed, implemented and enforced a program to reduce pollutants in stormwater runoff to a regulated small MS4 from new development, redevelopment and construction site activities? *(Required* by February 16, 2010, S5.C.4)	Y		See Ordinance No. 3453	
41	Applied stormwater runoff program to all sites that disturb a land area 1 acre or greater, including projects less than one acre that are part of a larger common plan of the development or sale? *(Required* by February 16, 2010, S5.C.4)	Y		See Ordinance No. 3453	
42	Applied stormwater runoff program to private and public development, including roads? *(Required* by February 16, 2010, S5.C.4)	Y		See Ordinance No. 3453	
43	Applied the Technical Thresholds in Appendix 1 to all sites 1 acre or greater, including projects less than one acre that are part of a larger common plan of the development or sale? *(Required* by February 16, 2010, S5.C.4)	Y		See Ordinance No. 3453	
44	Adopted and implemented regulatory mechanism (such as an ordinance) necessary to address run-off from new development, redevelopment and construction site activities? (*Required* by February 16, 2010, S5.C.4.a)	Y		See Ordinance No. 3453	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
45	Retained existing local requirements to apply stormwater controls at smaller sites or at lower thresholds than required pursuant to S5.C.4? (S5.A.4)	Y		Pre-Permit requirements for sites less than 1 acre remain in force.	
46	The ordinance or other enforceable mechanism includes the minimum requirements, technical thresholds, and definitions in Appendix 1 (or an equivalent approved by Ecology under the NPDES Phase I Municipal Stormwater Permit) for new development, redevelopment, and construction sites? (*Required* by February 16, 2010, S5.C.4.a.i)	Y		See Ordinance No. 3453	
47	The ordinance or other enforceable mechanism includes exceptions and variance criteria equivalent to those in Appendix 1? (*Required* by February 16, 2010, S5.C.4.a.i., and Section 6 of Appendix 1)	Y		See Ordinance No. 3453	
48	Were exceptions or variances to the minimum requirements in Appendix 1 granted? (*Required* by February 16, 2010, S5.C.4.a.i., and Section 6 of Appendix 1)	N			
48b.	If so, how many were granted?		0		

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
49	The ordinance or other enforceable mechanism includes a site planning process and BMP selection and design criteria that, when used to implement the minimum requirements in Appendix 1 (or equivalent approved by Ecology under the Phase I Permit) will protect water quality, reduce the discharge of pollutants to the maximum extent practicable and satisfy the State requirement under Chapter 90.48 RCW to apply all known, available and reasonable methods of prevention, control and treatment (AKART) prior to discharge? *(Required* by February 16, 2010, S5.C.4.a.ii)	Y			
49b.	Cite documentation to meet this requirement in *Attachment* field:				Ordinance No. 3453
50	The ordinance or other enforceable mechanism provides the legal authority, through the approval process for new development, to inspect private stormwater facilities that discharge to the Permittee's MS4? (*Required* by February 16, 2010, S5.C.4.a.iii)	Y		See Ordinance No. 3453	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
51	The ordinance or other enforceable mechanism allows non-structural preventive actions and source reduction approaches such as Low Impact Development (LID) Techniques to minimize the creation of impervious surfaces and minimize the disturbance of native soils and vegetation? (*Required* by February 16, 2010, S5.C.4.a.iv)	Y		See Ordinance No. 3453 and Ordinance No. 3509	
52	If the ordinance or regulatory mechanism allows construction sites to apply the **Erosivity Waiver** in Appendix 1, Minimum Requirement #2, does it include appropriate, escalating enforcement sanctions for construction sites that provide notice to the Permittee of their intention to apply the waiver but do not meet the requirements (including timeframe restrictions, limits on activities that result in non-stormwater discharges, and implementation of appropriate BMPs to prevent violations of water quality standards) to qualify for the waiver? (If waiver is allowed, the qualification is *required* by February 16, 2010, S5.C.4.a.v)	NA		Erosivity Waiver not allowed.	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
53	Developed and implemented a permitting process to address runoff from new development, redevelopment and construction site activities with plan review, inspection, and enforcement capability? *(Required* by February 16, 2010, S5.C.4.b)	Y			
54	Applied permitting process to all sites that disturb a land area 1 acre or greater, including projects less than one acre that are part of a larger common plan of the development or sale? (*Required* by February 16, 2010, S5.C.4.b)	Y			
55	Reviewed **Stormwater Site Plans** for new development and redevelopment projects? (*Required* by February 16, 2010, S5.C.4.b.i)	Y			
55b.	Number of site plans reviewed during the reporting period:		36		
56	Inspected, prior to clearing and construction, all known 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 Potential**? (*Required* by February 16, 2010, S5.C.4.b.ii)	Y			
56b.	Number of qualifying sites inspected prior to clearing and construction during the reporting period:		42		

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
57	Inspected construction-phase stormwater controls at all known permitted development sites during construction to verify proper installation and maintenance of required erosion and sediment controls? (*Required* by February 16, 2010, S5.C.4.b.iii)	Y			
57b.	Number of sites inspected during the construction phase for the reporting period:		42		
58	Enforced as necessary based on the inspection at new development and redevelopment projects? (*Required* by February 16, 2010, S5.C.4.b.iii)	Y			
58b.	Number of enforcement actions taken during the reporting period:		0		
59	Inspected qualifying permitted development sites upon completion of construction and prior to final approval or occupancy to ensure proper installation of permanent stormwater controls such as stormwater facilities and structural BMPs? (*Required* by February 16, 2010, S5.C.4.b.iv and v)	Y			
59b.	Number of qualifying sites known during the reporting period:		10		
59c.	Number of qualifying sites inspected during the reporting period:		10		
60	Verified a maintenance plan is completed and responsibility for maintenance is assigned for qualifying projects? (*Required* by February 16, 2010, S5.C.4.b.iv)	Y			

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
61	Enforced regulations as necessary based on the inspection? (*Required* by February 16, 2010, S5.C.4.b.iv)	Y			
61b.	Number of enforcement actions taken during the reporting period:		1		
62	Developed and implemented an enforcement strategy to respond to issues of non-compliance with the regulations for qualifying projects? (*Required* by February 16, 2010, S5.C.4.b.vi)	Y			
63	Did the Permittee choose to allow construction sites to apply the **Erosivity Waiver** in Appendix 1, Minimum Requirement #2? (S5.C.4.b.vii)	N			
63b.	If yes, how many waivers were allowed ?		0		
64	Developed and implemented a long-term operation and maintenance (O&M) program for post-construction stormwater facilities and BMPs? (*Required* by February 16, 2010, S5.C.4.c)	Y		See Ordinance No. 3453	
65	Adopted an ordinance or other regulatory mechanism that clearly identifies the party responsible for maintenance, requires inspection of facilities and establishes enforcement procedures? (*Required* by February 16, 2010, S5.C.4.c.i)	Y		See Ordinance No. 3453	
66	Inspected post-construction stormwater controls, including structural BMPs, at new development and redevelopment projects? (*Required* by February 16, 2010, S5.C.4.c)	Y		Post construction inspections are conducted prior to surety device release for development and redevelopment.	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
66b.	Number of sites inspected during the reporting period:		0		
66c.	Number of structural BMPs inspected during the reporting period:		0		
66d.	Number of enforcement actions taken during the reporting period:		0		
67	Established maintenance standards that are 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**? (*Required* by February 16, 2010, S5.C.4.c.ii)	Y		City has adopted the 2005 Stormwater Management Manual for Western Washington	
68	Performed timely maintenance as per S5.C.4.c.ii? *(Required* by February 16, 2010, S5.C.4.c.ii)	Y			
68b.	**Attached** documentation of any maintenance delays. *(Required* by February 16, 2010, S5.C.4.c.ii)	NA			
69	Established program to annually inspect all stormwater treatment and flow control facilities (other than catch basins) permitted by the Permittee according to S5.C.4.b. unless there are maintenance records to justify a different frequency? (*Required* by February 16, 2010, S5.C.4.c.iii)	Y			
70	If using reduced inspection frequency, **Attached** documentation as per S5.C.4.c.iii? *(Required* by February 16, 2010, S5.C.4.c.iii)	NA		City does not use a reduced inspection frequency.	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
71	Inspected all new stormwater treatment and flow control facilities owned or operated, including catch basins, for new residential developments that are a part of a larger common plan of development or sale, every 6 months during the period of heaviest house construction (i.e., 1 to 2 years following subdivision approval) to identify maintenance needs and enforce compliance with maintenance standards as needed? (*Required* by February 16, 2010, S5.C.4.c.iv)	Y		City inspects all new stormwater treatment and flow control facilities to verify adequate long term operation and maintenance for those facilities constructed after February 2010, when the Permit requirements and the 2005 Ecology Manual were adopted into City code.	
71b.	Number of facilities inspected during the reporting period:		6		
72	Implemented a procedure for keeping records of inspections and enforcement actions by staff, including inspection reports, warning letters, notices of violations, other enforcement records, maintenance inspections and maintenance activities? (*Required* by February 16, 2010, S5.C.4.d)	Y			
73	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.e)	Y		NOIs are available at the front desk of the Community and Economic Development Department.	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
74	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 were trained to conduct these activities? (*Required* by February 16, 2010, S5.C.4.f)	Y		Staff has been previously trained, and it up-to-date on CESCL training.	
74b.	Number of trainings provided:		4		
74c.	Number of staff trained:		3		
75	Developed and implemented an operations and maintenance (O&M) program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations? (*Required* by February 16, 2010, S5.C.5)	Y			
76	Adopted 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* ? (*Required* by February 16, 2010, S5.C.5.a)	Y		City has adopted the 2005 Stormwater Management Manual for Western Washington	
77	Performed timely maintenance as per S5.C.5.a.ii? *(Required* by February 16, 2010, S5.C.5.a.ii)	Y			
77b.	**Attached** documentation of any maintenance delays. *(Required* by February 16, 2010, S5.C.5.a.ii)	NA		No maintenance delays.	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
78	Established a program to annually inspect and maintained all stormwater treatment and flow control facilities (other than catch basins)? (*Required* by February 16, 2010, S5.C.5.c.iii)	Y			
78b.	Number of known facilities:		206	121 ponds and 85 oil separators / control structures. Only 12 of these facilities were permitted after February 2010 and require annual inspection	
78c.	Number of facilities inspected during the reporting period:		82	In addition to the 12 required facility inspections, the City also inspected and maintained additional facilities	
79	If using reduced inspection frequency, **Attached** documentation as per S5.C.5.a.ii? *(Required* by February 16, 2010, S5.C.5.b)	NA			
80	Conducted spot checks of stormwater facilities after major storms? *(Required* by February 16, 2010, S5.C.5.c)	Y			
80b.	Number of known facilities:		206		
80c.	Number of facilities inspected during the reporting period:		30	Collection systems staff, CED staff, and Engineering staff routinely inspect priority facilities after major storms. There are 30 priority facilities identified.	
81	Inspected municipally owned or operated catch basins at least once before the end of the Permit term? (*Required to begin* by February 16, 2010, S5.C.5.d)	Y			
81b.	Number of known catch basins:		5412		
81c.	Number of inspections:		2671		
81d.	Number of catch basins cleaned:		2671		

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
82	Established and implemented practices to reduce stormwater impacts associated with runoff from streets, parking lots, roads or highways owned or maintained by the Permittee, and road maintenance activities conducted by the Permittee? *(Required* by February 16, 2010, S5.C.5.f)	Y			
83	Established and implemented policies and procedures to reduce pollutants in discharges from all lands owned or maintained by the Permittee and subject to this Permit, including but not limited to: parks, open space, road right-of-way, maintenance yards, and stormwater treatment and flow control facilities? *(Required* by February 16, 2010, S5.C.5.g)	Y		The City has several stormwater management documents in effect: Integrated Pest Management Plan for Parks and Open Spaces; Property and Facility Management Plan for Pollution Reduction; Integrated Mosquito Management Plan; and the Fir Street Maintenance Facility SWPPP. The City follows the Regional Road Maintenance ESA Program Guidelines (Tri-County Standards) for roads activities.	
84	Implemented an operations and maintenance (O&M) program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations? (Required by February 16, 2010, S5.C.5.h.)	Y		Trainings completed through 2010, refresh in 2012.	
84b.	Number of trainings provided:		0		
84c.	Number of staff trained:		0		

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
85	Implemented a Stormwater Pollution Prevention Plan (SWPPP) 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 the Industrial Stormwater General Permit? *(Required* by February 16, 2010, S5.C.5.i)	Y		City completed a SWPPP for the Fir Street Maintenance Facility.	
86	Is there an approved Total Maximum Daily Load (TMDL) applicable to stormwater discharges from a MS4s owned or operated by the Permittee?	N		Requirement does not apply.	
87	Complied with the specific requirements identified in Appendix 2? (S7.A)	NA		Requirement does not apply.	
88	**Attached** status report of TMDL implementation? (S7.A)	NA		Requirement does not apply.	
89	Where monitoring was required in Appendix 2, did you conduct the monitoring according to an approved Quality Assurance Project Plan? (S7.A)	NA		Requirement does not apply.	
90	Took appropriate action to correct or minimize discharges into or from the MS4 which may constitute a threat to human health, welfare, or the environment? (G3)	Y		13 potential illicit discharges or spills were reported in 2011. Attachment shows the contacts that were made and actions that were taken.	Attachment #6 2011 IDDE Reports
90b.	**Attached** a summary of the status of implementation of any actions taken pursuant to S4.F and the status of any montioring, assessment, or evaluation efforts conducted during the reporting period? (S4.F.3.d)	Y		See attachment.	Attachment #6 2011 IDDE Reports

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
91	Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance? (G20)	NA		Requirement does not apply.	
92	Notified Ecology immediately in cases where the Permittee becomes aware of a discharge from the Permittees MS4 which may cause or contribute to an imminent threat to human health or the environment? (G3)	Y		1 of 13 calls received by the City regarding spills and illicit discharges were reported to the Department of Ecology.	Attachment #6 2011 IDDE Reports
93	**Attached** a summary of identified barriers to the use of low impact development (LID) and measures to address the barriers (Required to be submitted by March 31, 2011, S9.E.4.a)	Y		Barrier and report are all included within one document, see Attachment	Attachment #7 LID_Report_MountVernon_2011
94	**Attached** a report describing LID practices currently available and that can be reasonably implemented, potential or planned non-structural actions and LID techniques to prevent stormwater impacts, goals and metrics to identify, promote, measure LID; and schedules to require and implement non-structureal and LID techniques on a broader scale (Required to be submitted by March 31, 2011, S9.E.4.b)	Y		Barrier and report are all included within one document, see Attachment	Attachment #7 LID_Report_MountVernon_2011

VII. Information Collection, BMP Evaluation, and Monitoring

Complete Part A for all annual reports.
NOTE: Please note in Row 1 of the table if you have no information to report.
NOTE: Please limit your entries to 255 characters per cell. You may include additional information in your Supplemental Documentation attachment and reference it below with the page number.

A. Information Collection

	Briefly describe any stormwater monitoring, studies, or type of information collected and analyzed during the reporting period. (S8.B.1)	Who/how to contact for additional information?
1.	The Skagit Conservation District continues to monitor 5 sites in both the Kulshan and Trumpeter watersheds. The samples were collected by volunteer "stream teams." This program is part of the "Citizen Volunteer Water Quality Monitoring Program" that is intende to provide water quality education for citizens and baseline data for monitored streams. Samples are collected twice per month and are not storm driven.	Skagit Conservation District Kristi Carpenter Blaine Chesterfield
2.		
3.		
4.		
5.		
6.		

VII. Information Collection, BMP Evaluation, and Monitoring

Complete Part B for all annual reports.

B. SWMP Evaluation (S8.B & S9)

You are required to assess the appropriateness of the BMPs you have selected to implement your SWMP. This evaluation is necessary to evaluate whether the MEP standard set by the permit is protective of water quality in your receiving water bodies. This assessment may be entirely qualitative. Answer **NA** if you are not yet implementing BMPs for a component of the SWMP. (S8.B.2 and S9)

Question	Y/N/NA	Comments (50 word limit)
1. Are the BMPs selected and implemented for Public Outreach appropriate to minimize pollutants in the MS4 to the MEP?	Y	City has selected BMPs and the Skagit Conservation District has implemented BMP activities such as car wash kits, storm drain stenciling, commercial posters, etc.
2. Are the BMPs selected and implemented for Public Involvement appropriate to minimize pollutants in the MS4 to the MEP?	Y	City's process is to post City's SWMP on website and request public comment 2 weeks prior to Public Works Committee Meeting. Announcements are made about Public Works Committee meeting, which is open to public, where the SWMP is then presented to public and City Council.
3. Are the BMPs selected and implemented for Illicit Discharge Detection and Elimination appropriate to minimize pollutants in the MS4 to the MEP?	Y	The City has developed and implemented BMPs for the Illicit Discharge Detection and Elimination program. Staff have been trained per the IDDE Plan in field assessment techniques.
4. Are the BMPs selected and implemented for Construction Stormwater Pollution Prevention appropriate to minimize pollutants in the MS4 to the MEP?	Y	The City adopted Ordinance 3453 in 2009 that adopts the 2005 Stormwater Management Manual for Western Washington and lists the requirements necessary to minimize pollutants from Construction sites
5. Are the BMPs selected and implemented for Post-Construction Runoff Management appropriate to minimize pollutants in the MS4 to the MEP?	Y	The City adopted Ordinance 3453 in 2009 that adopts the 2005 Stormwater Management Manual for Western Washington and lists the requirements necessary to minimize pollutants from Construction sites
6. Are the BMPs selected and implemented for Good Housekeeping for Municipal Operations appropriate to minimize pollutants in the MS4 to the MEP?	Y	The City adopted Ordinance 3453 in 2009 that adopts the 2005 Stormwater Management Manual for Western Washington and lists the requirements necessary to minimize pollutants from Construction sites . The City has also developed a SWPP for the maintenance facility, IPM for vegetation management, and a Pollution Prevention Plan for Buildings and Facilities.

VII. Information Collection, BMP Evaluation, and Monitoring

Complete Part C for all annual reports.

C. Changes in BMPs or objectives (S8.B)

If any of the BMPs or objectives is being changed, list the old BMP and objective, the new BMP and objective, and a justification for the change below. (S8.B.2., and S9)

NOTE: You may choose to attach additional documentation justifying Changes in BMPs or objectives. Note such attachments in the *Justification for change* field.

	Old BMP	Old Objective	New BMP	New Objective	Justification for Change
1	No changes				
2					
3					
4					
5					
6					
7					

VII. Information Collection, BMP Evaluation, and Monitoring

D. Preparation for future, long-term monitoring

Complete section D for the fourth annual report only.

	Question	Y/N/NA	Comments (50 word limit)	Name of Attachment? Page Number?
1.	Identified outfalls or conveyances for long-term stormwater monitoring? (S8.C.2.a)	Y	The City has developed a monitoring plan that includes both long term and effectiveness monitoring.	
1b.	**Attach** site maps and descriptions. (S8.C.2.a)	y		Attachment #8 FutureMonitoringPlan_MountVernon_2011.docx
2.	Identified at least two questions for SWMP effectiveness monitoring and developed monitoring plans? (S8.C.2.b)	Y		
2b.	**Attach** the proposed questions and monitoring plans for SWMP effectiveness monitoring. (S8.C.2.a.ii)	y		Attachment #8 FutureMonitoringPlan_MountVernon_2011.docx
3.	Monitoring plan developed for each question? (S8.C.1.b.iii)	Y		
3b.	**Attach** a copy of the monitoring plan.	y		Attachment #8 FutureMonitoringPlan_MountVernon_2011.docx
4.	Identified sites in preparation for future, long-term monitoring? (S8.C.1.a., and S8.C.2.b)	Y		
4b.	**Attach** a summary of the status of site identification for long-term stormwater monitoring; proposed questions for SWMP effectiveness monitoring; and status of developing the SWMP effectiveness monitoring plans.	y		Attachment #8 FutureMonitoringPlan_MountVernon_2011.docx

City of Mount Vernon

Mayor

910 Cleveland Avenue
Post Office Box 809
Mount Vernon, WA 98273

Phone (360) 336-6211
FAX (360) 336-0623
www.ci.mount-vernon.wa.us

March 18, 2008

Department of Ecology
Water Quality Program
Municipal Stormwater Permits
P.O. Box 47696
Olympia, WA 98504-7696

Attn: Dept. of Ecology, Water Quality Program

I, Bud Norris, the Mayor of Mount Vernon, acting as the principle executive officer for the City of Mount Vernon, hereby duly authorize the Public Works Engineering Manager for the City, to submit reporting information on behalf of the City of Mount Vernon for purposes of complying with the Western Washington Phase II Municipal Stormwater Permit as requested by the Department of Ecology.

Sincerely,

Bud Norris
Mayor

SECOND AMENDMENT TO INTERLOCAL COOPERATIVE AGREEMENT BETWEEN CITY OF MOUNT VERNON AND SKAGIT CONSERVATION DISTRICT

THIS AMENDMENT, entered into this 4th day of March, 2010, by and between the CITY OF MOUNT VERNON, Washington, a municipal corporation (hereinafter referred to as the "City") and the Skagit Conservation District, a public body organized under RCW 89.08, (hereinafter referred to as the "District ").

W I T N E S S E T H:

WHEREAS the City entered into an Agreement with the District dated January 3, 2006; and

WHEREAS the parties entered into a first amendment to the Agreement dated March 5th, 2007extending the timeline for the certain tasks; and

WHEREAS the parties hereto wish to amend the Agreement by extending the timeline for District performance for certain tasks past the end of the District's storm water grant which will be completed by the end of 2011. Such tasks are identified as Best Management Practices ("BMP's") within Exhibit "A'"- Scope of Work and Appendix 1 of Exhibit "A" Scope of Work – Timeline for District Performance; and

WHEREAS the parties hereto wish to amend the Agreement by extending the budget identified for those BMP's which have been granted an extension for completion into the year 2011.

NOW, THEREFORE, the parties hereby amend said Agreement, as follows:

1. Section 1.0 of the Exhibit "A"- Scope of Work of the Agreement is hereby amended to read as follows:

1.0 Public Participation and Involvement

The District shall assist City staff with compliance efforts for the "Public Participation and Involvement" minimum control measure, one of six measures required to meet the conditions of the NPDES storm water permit. The essential goals include improving public knowledge of local stormwater issues, receiving public input on potential solutions, gaining public support for and compliance with the City's' Comprehensive Stormwater Management Plan (CSMP), and developing a volunteer workforce to help implement this plan.

Best Management Practice (BMP) 1.1 -Public Meetings/Steering Committee
The EP A recommends that all cities and counties should consider including the public in developing, implementing, and reviewing their storm water management program. Examples provided in the EPA recommendations include; conducting public meetings, public hearings, town hall meetings, etc. to solicit input prior to developing the CSMP.

Required Tasks:

- The District shall assist City staff with two partial day or evening workshops. The workshops shall include:
  - An opportunity to allow citizens to discuss various viewpoints and provide input concerning appropriate storm water management policies and BMP's.
  - An assessment of public interest in the establishment of a citizen stormwater panel that would take part in the development, implementation, and review of the CSMP.

Measurable Goals:

- To provide notice of the public meetings in several different print media in bilingual format.
- To establish a citizen stormwater panel. Note: the City will be responsible for the performance of this goal.

BMP1.2 -Watershed Masters Volunteer Training Program
The Skagit Conservation District has been conducting the Watershed Masters Volunteer Training Program in the Skagit Valley community since 1995. The primary goal of the program is to increase public awareness of water quality problems and solutions and to inspire community stewardship in regards to water quality. Participants receive 40 hours of training (8 weeks), provided by local experts, which covers an introduction to local geology & history, biology & habitat needs of local salmon, the effects of storm water runoff on water quality and fish & wildlife habitat (nonpoint sources of pollution), an overview of Low Impact Development, household hazardous waste, forest stewardship, marine ecology, soils & wetlands, etc. Participants learn practical tips for reducing water quality impacts at home. Individuals make a personal commitment to implementing a specific action(s)cat home and also return 40 hours of volunteer service by undertaking projects designed to protect and/or restore water quality, or educating the public on these same topics (within 2 years of class completion is encouraged). Each session is taught by local experts, including representatives from SCD, NRCS, WDFW, Skagit County, WA Dept. of Natural Resources, WA Dept. of Ecology, Puget Sound Action Team, Padilla Bay Research Reserve~ Western Washington University, and more. Average class size: 23.

Potential volunteer activities that could be undertaken by the program participants include storm drain labeling, stream clean ups, mapping outfalls, tree planting or other enhancement projects at City parks (or other private or public lands), water quality monitoring, etc. The District will coordinate with the City to determine priority projects.

Required Tasks:

- The District will organize and conduct the Watershed Masters Volunteer Training program in partnership with the City of Mount Vernon. The terms of this partnership shall require, but not be limited to, targeting the Program to specific watersheds of the City's choosing that lie within the City, holding the program in specific watersheds for residents, and documenting the process in a manner sufficient to satisfy NPDES compliance.
- The program will target residents of all major drainage basins within the City including Kulshan, Maddox, Trumpeter, Carpenter, Britt Slough, West Mount Vernon, and Nookachamps.
- Forms of City assistance for implementation of the Watershed Masters programs may include: Providing presentations to the Watershed Masters (WSM) on city storm water program priorities during a classroom and/or field tour; providing technical assistance to District staff if needed (re: City priorities, storm water concerns, etc.); attending WSM "graduation" (held last night of training) to assist in presenting certificates of completion; and providing input for WSM training and volunteer opportunities.
- Volunteer hours will be tracked and tabulated and reported to the City following class completion.

Measurable Goals:

- Recruitment of interested city residents to participate in the annual Watershed Masters Volunteer Training Program will be tracked.
- .Participation and volunteer activities conducted by the Watershed Masters will be documented.
- Volunteer hours contributed by participants will be tracked.
- Program evaluation forms will be completed by the participants to determine class effectiveness.
- Participants will report BMP's implemented at home based on education learned during training.

BMP 1.3- Volunteer Water Quality Training Program

The Skagit Conservation District has been conducting the Skagit Stream Team program since 1998 (in partnership with the Padilla Bay Research Reserve). The primary purposes of the program are: to inspire stewardship in regards to water quality by educating local, citizens about land use and non-point source pollution and involving them in the process of water quality data gathering; 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; and to document improvements in water quality as a result of the implementation of BMP's. A Quality Assurance/Quality Control *(QA/QC)* plan and lab plan for the Stream Team program have been approved by the Washington Department of Ecology. Water quality conditions sampled by volunteers currently include; fecal coliform bacteria, dissolved oxygen, water temperature, turbidity, and total depth. Forty volunteers are currently monitoring stations located in the Nookachamps, Padilla Bay, Samish, and Grandy Creek watersheds. Collection and lab tests are both conducted by volunteers. The annual fall training event provides education about the effects

of storm water runoff on water quality, streams, wetlands, and fish and wildlife habitat (in addition to teaching water quality monitoring techniques).

Required Tasks:

- The District shall coordinate with the City to determine stream priority. Four monitoring stations shall be located on each stream.
- The District shall promote the Skagit Stream Team program in partnership with the City of Mount Vernon and the Padilla Bay Research Reserve to recruit Mount Vernon citizen participation.
- The District shall coordinate with the City volunteer activities; maintain volunteer records, and data sheet~ and coordinate with the City volunteer recognition events.
- Forms of City assistance for implementation of the Stream Team program may include: providing guidance to District staff in identifying priority streams and identifying 8 -12 monitoring stations (overall) for water quality collection; providing a presentation to volunteers during the annual training event; providing lab and supplies for conducting fecal coliform and turbidity tests at the Waste Water Treatment Plant; provide training and technical assistance to lab volunteers in using Waste Water Treatment Plant lab equipment. Data analysis will also need to be discussed.

Measurable Goals:

- Annual recruitment of volunteers to participate in the Stream Team program will be conducted (recruitment efforts will target local residents age 18 and up, Watershed Masters, and Environmental Tech students attending Skagit Valley College).
- An annual 3-session training event will be conducted each fall.
- Each year, four to six teams of volunteers (2-3 volunteers on each team, which will include 2 field persons & 1 lab person) will make a commitment to collect water quality data at 4 assigned stations on a monthly basis for one year (overall, a total of 12 stations would be monitored twice a month).
- Volunteer hours contributed by participants will be tracked.

BMP 1.4 -Storm Drain Labeling Program

Storm drain labeling involves labeling storm drains with messages warning citizens not to dump pollutants in the streams. Based on previous experience, the District recommends the use of permanent marking methods, such as ceramic tiles, plastic markers, or metal markers (rather than painting with stencils). Permanent storm drain markers are more cost effective in the long term, more durable and aesthetic, and are environmentally friendly. Volunteer groups, such as the Watershed Masters and Boy Scouts/Girl Scouts can be trained to install the labels.

Required Tasks:

- The District shall recruit, organize, and train community volunteers to install permanent storm drain labels.
- The District shall promote the Storm Drain Labeling program at District events, including but not limited to Watershed Masters, Stream Team and Backyard Conservation trainings, annual mailing packets distributed to all local schools, quarterly mailings of "Calendar of Upcoming Events" to District volunteers, and in the District newsletter which is distributed

twice a year.

- The District shall coordinate with the City to determine priority areas for storm drain label installation.
- The District shall volunteer recruitment to install markers and inspect storm drain inlets in need of markers will continue on an ongoing basis for the duration of this Agreement.

Measurable Goals:

- Determine appropriate and priority locations for labeling by Summer 2006
- Recruit/train volunteers, such as the Watershed Masters, Skagit Stream Team, and local Boy Scout/Girl Scouts to begin installing storm drain labels by May 31, 2007; training/recruitment will be ongoing.

2. Section 2.0 of the Exhibit "A"- Scope of Work of the Agreement is hereby amended to read as follows:

2.0 Public Education and Outreach

The District shall assist City staff with compliance efforts for the "Public Education and Outreach" minimum control measure, one of six measures required to meet the conditions of the NPDES storm water permit. The goal of this minimum control measure is to facilitate 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.

BMP 2.1 -Backyard Conservation Stewardship Program

This annual 6 week short-course features tips for native plant landscaping, environmentally friendly gardening practices, composting, mulching, nutrient management, pest management, landscaping for wildlife, water conservation tips, and more! Training will be provided by local experts. Participants will attend 6 evening sessions (once a week) and two Saturday field excursions. The following topics will be included in the training: Proper use and disposal of pesticides, herbicides, and fertilizers, and use of non-toxic alternatives; use of native plants in landscaping rather than lawns, and retention of native vegetation; preventive car maintenance, including proper disposal of used oil, coolant, and other toxic materials; use of permeable pavement for driveways and patios; proper disposal of pet waste and livestock waste.

Required Tasks:

- The District shall organize, initiate and conduct the Backyard Conservation Stewardship program and administer this program on behalf of the City of Mount Vernon.
- Forms of City assistance for implementation may include providing presentations to class participants on city storm water program priorities and attending "graduation" to assist in presenting certificates of completion to class participants.
- The District shall conduct follow up surveys on an annual basis to determine whether or not class participants have taken steps to reduce storm water impacts based on what was learned in program.

Measurable Goals:

- Recruitment of interested city residents to participate in the annual Backyard Conservation Stewardship program will be conducted.
- Participation of class participants will be tracked.
- Program evaluation forms will be completed by the participants to determine class effectiveness.

BMP 2.2 - Resource Materials/Education for Local Schools

The District currently maintains a resource library for local teachers. The library includes numerous text books, supplemental curricula, and videos on a variety of natural resource topics (including water quality and storm water runoff). An enviroscape watershed model is also available for presentations or available for teachers (or other agency personnel) to borrow. An information packet, which contains a brief description of all materials available at the District library is compiled and mailed to all elementary schools located throughout Skagit County (urban and rural areas) each September, to all science and agriculture teachers at the middle school and high school levels, home schools and other groups. Information about other District educational programs, such as Envirothon, 6th Grade Conservation Tour, the Annual Natural Resource Poster Contest, and live presentations available by District staff are included in the packet.

Required Tasks:

- The District shall incorporate a special section in the annual teacher's packet that will specifically highlight storm water education materials and presentations available.
- The District shall provide presentations on storm water and water resources to local schools (and after school groups) as requested by the City. The enviroscape model and the "Raindrop Walk" are both useful tools in teaching youth about storm water and water quality.

Measurable Goals:

- The number of packets mailed to local teachers will be tracked each year.
- The number of presentations given to local schools or other youth groups will be tracked.
- The number of teachers using the resource library will be tracked.

BMP 2.3 - CSMP Logo/Theme/Poster Contest for Local Youth

Creating a contest for youth in our community will provide an opportunity to directly involve them in learning/teaching about storm water impacts with the added benefit of generating parent participation and gaining their awareness. The contest will directly involve local school age youth in designing a logo, theme, or poster for storm water awareness in Skagit County. The winning entry(s) may be used on various storm water educational materials, such as brochures, posters, fliers (which could be placed in the library, schools, City offices, etc), bookmarks, newspaper ads, and more.

Required Tasks:

- The District shall coordinate with the City to design the logistics for hosting a logo, theme, and/or poster contest for local youth.
- The District shall promote the contest theme and rules to all City schools (approved methods of promotion include promotion with the annual teachers packets discussed above and

during classroom presentations). After mailing information, the District shall follow up with phone calls to interested teachers/classrooms.

- Classroom presentations to promote the contest and to provide background education about storm water issues will be conducted by District staff.
- The District shall coordinate with participants to collect and maintain all entries- .The District shall coordinate with the City to arrange judging.
- The District shall coordinate with the City to arrange a recognition event for winner(s).

Measurable Goals:

- Design logistics of contest by June 1, 2007.
- Information packets promoting contest mailed to local teachers & media press releases by September_30, 2007.
- Contest winner(s) announced by December 31, 2007.

BMP 2.4 - Stormwater Educational Brochures and Fact Sheets

The District shall coordinate with the City to develop a series of educational brochures and/or fact sheets for the general public. These will be developed for the general public and specific audiences on various topics that could range from landscaping, recycling, disposing of motor oil and other hazardous materials, water conservation, pet waste management, etc. Handout materials could be modified from existing materials to reduce costs. In addition, they could be designed over a period of time (for example two brochures could be designed/printed the first year, two over the 2nd year, etc). The District shall make efforts to provide this information in Spanish. Suggested methods of promotion include a carrier route mailing conducted twice a year to residents of Mount Vernon (each mailing would focus on a particular topic storm water related topic) or information included in City utility billings.

Required Tasks:

The District shall coordinate with the City to determine priority audiences and storm water education topics that will be used to generate a series of brochures and/or fact sheets.

- The District shall coordinate with City staff to determine topic priorities.
- The District shall research existing materials and coordinate with City staff to review/revise to meet City of Mount Vernon priorities.
- The District shall print and distribute of these materials.

Measurable Goals:

- Development of 2 educational brochures/flyers by Fa11 2010.
- Development of 2 additional educational brochures/flyers by Spring 2011.
- Distribution methods to be determined with City approval.

BMP 2.5 -Stormwater Education Program for Local Business

The District shall assist the City in educating local contractors and businesses on stormwater education. Such assistance shall include but not be limited to the following:

- The District shall coordinate a workshop in partnership with the City for local contractors and businesses on Low Impact Development practices.
- The District shall coordinate with the City to develop educational brochures/Flyers that

target local contractors and businesses.

- The Skagit Conservation Education Alliance (SCEA), a local 501(c) 3 non-profit organization is currently researching potential grant sources to coordinate an "Envirostar" program in our community. The program would involve local businesses in storm water education, as well as providing recognition for local businesses who implement BMP's. If funded, this project would provide an opportunity for collaborations and partnerships. If such a program comes into being during the duration of this agreement, the District shall include such a program within the Stormwater Education Program for Local Business.

The District shall complete those required tasks and measurable goals included within the scope of work identified above according to the schedule attached to this Scope of Work and identified as "Appendix 1 of Scope of Work- Timeline for District Performance" BMP's identified above shall be completed in compliance with the following schedule:

BMP 1.1 - Completed by fall 2007
BMP 1.2 - Program begins in 2006 and repeats annually through fall 2011; 2011 training program tentatively based on available funding through December 2011.
BMP 1.3 - Program begins in 2006 and repeats annually through spring 2011
BMP 1.4 - Program begins in 2007 and will be completed by spring 2011
BMP 2.1 - Program begins in 2006 and repeats annually through 2009; ongoing program with workshops in 2010; short course repeats again in 2011
BMP 2.2 - Program begins in 2007 and will be completed by spring 2011
BMP 2.3 - Completed by Dec. 31, 2007
BMP 2.4 – Program begins in 2006 and will be completed by spring 2011
BMP 2.5 - Completed by spring 2011

Time is of the essence of this contract, and it is agreed that in case the District shall fail to comply with or perform any condition or agreement hereof promptly at the time and in the manner herein required, the City may elect to declare all the District's rights hereunder terminated, and upon doing so, all payments made by the City hereunder and all Work performed to date shall be forfeited to the City as liquidated damages and the City shall be able to immediately rescind the Agreement.

This Scope of Work and included Schedule for Performance shall be reevaluated by the City annually and modifications to the scope of work and/or schedule may be made by agreement of both parties.

Meaning of terms.
Whenever the term "measurable goals" is used in any section of this scope of work the term shall be deemed to have the same meaning as the term "required task". It shall be the mutual intent of the parties to interpret both terms as contractual obligations of the District requiring performance.

3. Appendix 1 of Scope of Work- Timeline for District Performance is hereby amended to read as follows:

New Appendix which reflects new 2010 budget for those tasks remaining for BMP's 1-2, 1-3, 1-4, 2-1, 2-2, 2-4, and 2-5 attached.

4. All other terms and conditions of the original Agreement remain the same.

**IN WITNESS WHEREOF the parties hereto have executed this document as of the day and year first written above.

CITY OF MOUNT VERNON

APPROVED:

By _____
Bud Norris, Mayor

RECOMMENDED:

By _____
Esco Bell, Public Works Director

ATTEST:

By _____
Alicia Huschka, Finance Director

APPROVED AS TO FORM:

By _____
Kevin Rogerson, City Attorney

SKAGIT CONSEVRATION DISTRICT

By _____

Agency Contact:

_____

_____

_____

Tax ID #: _____

City of Mount Vernon
Public Works Department

1024 Cleveland Avenue
Post Office Box 809
Mount Vernon, WA 98273

Phone (360) 336-6204
FAX (360) 336-6299
E-Mail mvengineering@mountvernonwa.gov
www.ci.mount-vernon.wa.us

LETTER OF TRANSMITTAL

To: Skagit Conservation District
2021 E College Way, Ste 203
Mount Vernon, WA 98273

From: Blaine Chesterfield by Sherri Pritchard
Project: NPDES
Date: March 16, 2010

WE ARE SENDING YOU:
☒ Enclosed ☐ Via Fax ☐ Hard Copy to follow via: ☐ Under separate cover via:

THE FOLLOWING ITEMS:
☐ Prints ☐ Change Order ☐ Drawings ☐ Plans
☐ Specifications ☐ Copy of Document ☒ Other: (See description below)

Description
Original fully executed "Second Amendment to Interlocal Cooperative Agreement between City of Mount Vernon and Skagit Conservation District"

THESE ARE TRANSMITTED AS CHECKED BELOW:
☐ For Signature ☐ Approved as submitted ☐ Submit copies for distribution
☐ For your use ☐ Approved as noted ☐ Return corrected prints
☐ For review/comment ☐ Returned for corrections ☐ Resubmit copies for approval

2nd Original: City of Mount Vernon Finance Dept
Copy to: File

Signed: _____
Sherri Pritchard, Office Assistant

(If enclosures are not as noted, please notify us at once)

March 2012

City of Mount Vernon

2012 Stormwater Management Program

Puget Sound Starts Here

Brown AND Caldwell

CITY OF MOUNT VERNON
2012 STORMWATER MANAGEMENT PROGRAM

Prepared for
City of Mount Vernon, Washington
March 2012

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TABLE OF CONTENTS

LIST OF TABLES

List of Abbreviations

BMP	best management practice
CAO	City Attorney's Office
CED	Community and Economic Development (Department)
City	City of Mount Vernon
CSO	combined sewer overflow
CWA	Clean Water Act
E&O	education and outreach
Ecology	Washington State Department of Ecology
Ecology 2005 Manual	*Stormwater Management Manual for Western Washington*
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
Permit	Western Washington Phase II Municipal Stormwater Permit Phase II Permit
PSSH	Puget Sound Starts Here
Road Map	Operations and Maintenance Regional Coordination Program
SCD	Skagit Conservation District
SOG	Stormwater Outreach Group
SOP	standard operating procedure
STORM	Stormwater Outreach for Regional Municipalities
SWMP	Stormwater Management Program
SWPPP	stormwater pollution prevention plan
TMDL	total maximum daily load
WLA	waste load allocation
WWCPA	Washington Wastewater Collection Personnel Association

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1. INTRODUCTION

1.1 Overview

This document presents the City of Mount Vernon's Stormwater Management Program (SWMP). Preparation and maintenance of this SWMP 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 obtain Permit coverage.

Each municipality's permit for discharging stormwater is designed to reduce the discharge of pollutants, protect water quality, and meet the requirements of the federal Clean Water Act (CWA). Phase II Permit requirements include programmatic additions over time and this SWMP document has been revised accordingly.

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

1.2 The Stormwater Problem

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

> Stormwater is the leading contributor to water quality pollution in our urban waterways. As urban areas grow, stormwater is also Washington's fastest growing water quality problem. Pollutants in or resulting from stormwater can cause a wide range of impacts. Untreated stormwater is not safe for people to drink and is not recommended for swimming because it contains toxic metals, organic compounds and bacteria. Some pollutants such as metals, oil and grease, and organic toxins are toxic to aquatic organisms if concentrations are high enough. Sediments cause tissue abrasion and gill clogging in fish, they reduce light and impair algal growth, they smother fish spawning habitat and are transporters of other pollutants. Nutrients accelerate eutrophication of lakes and ponds resulting in nuisance algal blooms, reduced clarity, odors and reduced drinking water quality. Temperature sensitive fish and invertebrates cannot survive in overly warm water bodies.
>
> In addition, 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. Furthermore, because of the increased volume of runoff discharges, loads of pollutants in stormwater can be significant, causing water quality problems such as disease and mortality in fish and other

> aquatic organisms, swimming beach and shellfish bed closures, and contamination of wells.
>
> A number of pollution sources contaminate stormwater, including land use activities, operation and maintenance (O&M) activities, illicit discharges and spills, atmospheric deposition, and vehicular traffic conditions. Many of these sources are not under the direct control of the Permittees that own or operate the storm sewers.
>
> —*Ecology, "NPDES General Permit Fact Sheet," 2006*

The City of Mount Vernon 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 1.3 below.

1.3 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 federal Environmental Protection Agency (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 1990 census falling 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, as operators of small MS4s. Ecology's Phase II Permit is available on Ecology's Web site at http://www.ecy.wa.gov/programs/wq/stormwater/municipal/index.html.

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

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 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 shall continue to meet all requirements of the existing Permit through August 2013. An updated Permit will subsequently be issued to be in effect from August 2013 to August 2018.

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.

1.4 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.

1.5 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). 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 has reviewed all TMDLs approved by EPA before February 15, 2006, 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 February 15, 2006. 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 for the next updated Permit cycle (2013–18).

1.6 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 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**
Stormwater Management Program	Public Works Finance Information Services (IS) City Attorney's Office (CAO)	
Public education and outreach	Public Works	SCD Skagit County Public Health Department
Public involvement	Public Works	SCD
Illicit discharge detection and elimination	Public Works CED Fire Department	
Runoff controls	Public Works CED	
Pollution prevention and municipal operation and maintenance	Public Works CED	
Water quality monitoring	Public Works	SCD

1.7 Document Organization

The contents of this document are based upon Permit requirements and Ecology's "Draft 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 2.0** addresses Permit requirements for administering the City's SWMP for 2012.
- **Section 3.0** addresses Permit requirements for public E&O for 2012.
- **Section 4.0** addresses Permit requirements for public involvement and participation for 2012.
- **Section 5.0** addresses Permit requirements for IDDE for 2012.
- **Section 6.0** addresses Permit requirements for controlling runoff from new development, redevelopment, and construction sites for 2012.
- **Section 7.0** addresses Permit requirements for pollution prevention and municipal operations and maintenance for 2012.
- **Section 8.0** addresses Permit requirements for the water quality monitoring section of the Permit for 2012.
- **Section 9.0** summarizes the City's compliance activities.
- **Appendix A** provides abbreviations and definitions from the Permit.
- **Appendix B** provides current City stormwater system map.

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

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 2012.

2.1 Permit Requirements

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

- Develop and implement a SWMP and prepare written documentation (SWMP document) for submittal to Ecology on March 31 of each year, including updates to the SWMP annually. 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 annual compliance reports (for the previous calendar year) to Ecology by March 31, beginning in 2008, summarizing implementation status and provide information from assessment and evaluation procedures collected during the reporting period.
- Starting in 2011, submit a report summarizing any barriers to low-impact development (LID) within the area covered by the Permit and measures to address the barriers.
- Coordinate with other Permittees on stormwater-related policies, programs, and projects within adjacent or shared areas.

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 is on track to comply with Ecology's requirements for submittal of the fifth Annual Compliance Report by March 31, 2012.
- 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 2012 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 2012 SWMP administration activities.

Table 2-1. 2012 Stormwater Management Program Administration Work Plan

Task ID	Task Description	Lead	Support	Compliance Timeframe
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	SOPs are maintained and implemented throughout all City departments.
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 jurisdiction staff 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.

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 2012.

3.1 Permit Requirements

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

- Prioritize and target E&O activities to specified audiences, including the general public, businesses, residents/homeowners, landscapers, property managers, engineers, contractors, developers, review staff and land use planners, and other City employees to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts.
- Measure the understanding and adoption of the targeted behaviors for at least one targeted audience in at least one subject area.
- 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. The current compliance activities associated with the Permit include the following:

- A "Stormwater Systems Maintenance Workshop and Field Tour" for homeowner associations and private stormwater facilities was held on January 22, 2011.
- A rain garden workshop was held on June 23, 2011.
- 40 citizens participated in the Backyard Conservation Program.
- 17 citizens participated in the Fall 2011 Watershed Masters Program.
- The Stream Teams monitored two streams in the city.
- Three fact sheets were developed for mobile business.
- 223 storm drains were marked and 379 information door hangers were distributed through a scout service project.
- Three stormwater education presentations were conducted at local elementary schools, reaching 61 students.
- City staff distributed several thousand informational coffee sleeves and beverage coasters to local businesses.

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 following were played during 2011:

- 210 showings of the "After the Storm" video developed by the EPA
- 210 showings of the "Rain Barrel" public service announcement
- 2,500 announcements from Puget Sound Starts Here (PSSH)

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 2012 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 2012 to carry on similar activities as those listed in Section 3.2, with the addition of a pet waste campaign. Actions recommended for continued compliance are included in Table 3-1, which presents the work plan for the 2012 public education and outreach activities.

Table 3-1. 2012 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.

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 2012.

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 and watershed committees, and public participation in developing rate structures and budgets, stewardship programs, environmental actions, 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 and in the newspaper. Make any other documents required to be submitted to Ecology in response to Permit conditions 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 2012 SWMP documents. 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 on the City's Web site, made announcements on the City cable TV channel, and sent announcements to the local newspaper for public comments prior to the public hearing.
- The City will make the 2012 Final SWMP and Annual Compliance Report available to the public on the City's Web site, at the public library, and in the Public Works Department main office building.
- An LID presentation was delivered to at the City Council meeting in June 2010.

4.3 Planned 2012 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 2012 public involvement activities.

Table 4-1. 2012 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		Complete by 3/31/2012.
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	Complete by 3/31/2012.
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	The SWMP and Annual Compliance Report submittal is due on or before March 31 of each year.

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 2012.

5.1 Permit Requirements

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

- Implement an ongoing program to detect and remove illicit discharges, connections, and improper disposal, including any spills into the MS4s owned or operated by the City. An illicit discharge means "any discharge to a municipal storm system that is not composed entirely of stormwater…" and illicit connection means "any manmade conveyance that is connected to a municipal storm system without a permit (excluding roof drains and other similar type connections) such as sanitary sewer connections, floor drains, etc."
- Develop a storm sewer system map, enact ordinances that prohibit illicit discharges, and create a program to detect and address illicit discharges.
- 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.
- Train SWMP staff on proper IDDE response procedures and processes and municipal field staff to recognize and report illicit discharges.
- Prioritize three water bodies for visual inspection.
- 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 B for a recent version of the City storm sewer system map.
- The City added one newly installed stormwater facility into its GIS database in 2011.
- 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.
- IDDE awareness training was given to municipal employees who are in the field.
- City has self-administered IDDE training for new employees.

- 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 Britt Slough 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 2012 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 2012 IDDE activities.

Table 5-1. 2012 Illicit Discharge Detection and Elimination Work Plan

Task ID	Task Description	Lead	Support	Compliance Time Frame
IDDE-1	Revise current IDDE response process into a standard, citywide IDDE response and enforcement SOPs.	Public Works	CED	City maintains Spill Reporting Matrix for IDDE response process.
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	Review and update codes as needed to address IDDE Permit requirements.	Public Works		Ordinance and code updates were adopted by Council in August 2009.
IDDE-5	Develop 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	City adopted new codes and developed SOPs in August 2009.
IDDE-6	Continue to use issue-tracking and resolution system that includes enforcement actions. Capture feedback from public E&O efforts.	Public Works	IS	Ongoing.
IDDE-7	Refresh previously completed field IDDE training. Coordinate with regional efforts.	Public Works		Repeat field trainings for City staff responsible for IDDE investigations, in 2012.
IDDE-8	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.
IDDE-9	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-10	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 in 2012.
IDDE-11	Maintain map that shows the location of all known municipal separate storm sewer outfalls, receiving waters, and structural stormwater BMPs.	Public Works	CED	Ongoing.

Table 5-1. 2012 Illicit Discharge Detection and Elimination Work Plan				
Task ID	**Task Description**	**Lead**	**Support**	**Compliance Time Frame**
IDDE-12	Prioritize three receiving water bodies for visual inspection.	Public Works		Prioritization is done in the City's IDDE Plan. Visual inspections were completed by WSP Environment and Energy in 2008.
IDDE-13	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.
IDDE-14	Enhance the City's IDDE plan document to better describe the City's different ongoing activities in relation to recent new IDDE requirements.	Public Works		Complete in 2012.

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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 2012. The modifications made by Ecology in June 2009 to the Permit included delaying the deadlines for several of the activities under this requirement.

6.1 Permit Requirements

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

- Develop, implement, and enforce a program to reduce pollutants in stormwater runoff (i.e., illicit discharges) to the MS4 from new development, redevelopment, and construction site activities. 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 SOPs necessary to implement the program in accordance with Permit conditions, including the minimum technical requirements in Appendix 1 of the Permit.
- Provide provisions (plan review, inspection, and enforcement) and SOPs to allow nonstructural preventive actions and source reduction approaches such as LID techniques, measures to minimize the creation of impervious surfaces, and measures to minimize the disturbance of native soils and vegetation.
- 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 IV of the 2005 Ecology *Stormwater Management Manual for Western Washington* (Ecology 2005 Manual).
- 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 the new 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.
- 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.
- The City will summarize all associated runoff control activities in its Annual Compliance Report submitted annually on March 31.

6.3 Planned 2012 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 2012 SWMP activities related to runoff control for new development, redevelopment, and construction sites.

Table 6-1. 2012 Controlling Runoff from New Development, Redevelopment, and Construction Sites Work Plan

Task ID	Task Description	Lead	Support	Compliance Time Frame
CTRL-1	Select new Stormwater Manual and implement new Stormwater Manual, codes, standards, and SOPs.	Public Works	CED	Adopted new codes effective February 2010.
CTRL-2	Apply technical thresholds in Appendix 1 to all sites 1 acre or greater.	Public Works	CED	Adopted new codes effective February 2010.
CTRL-3	Create SOPs defining the City's stormwater permitting, plan review, inspection, enforcement, and record-keeping processes.	Public Works, CED	CAO	Ongoing.
CTRL-4	Implement stormwater permitting, plan review, inspection, and enforcement SOPs (including enhanced inspection/enforcement documentation in Permits Plus).	CED	Public Works	Ongoing.

Table 6-1. 2012 Controlling Runoff from New Development, Redevelopment, and Construction Sites Work Plan				
Task ID	**Task Description**	**Lead**	**Support**	**Compliance Time Frame**
CTRL-5	Track number of inspections, plan reviews, and enforcement.	Public Works	CED	Started in 3/31/2010 Annual Report.
CRTL-6	Establish program to annually inspect all stormwater treatment flow control facilities (other than catch basins) permitted by the Permittee.	Public Works		Ongoing.
CTRL-7	Conduct staff training and public E&O on implementing new Stormwater Manual and new Permit requirements.	Public Works	SCD	Ongoing.
CTRL-8	Create and implement SOP for long-term stormwater system operation and maintenance verification.	Public Works	CED	Ongoing.
CTRL-9	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 and Annual Compliance Report submittal is due on or before March 31 of each year.

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7. POLLUTION PREVENTION AND OPERATION AND MAINTENANCE FOR MUNICIPAL OPERATIONS

This section provides a description of the Permit requirements related to pollution prevention and O&M for municipal operations, including descriptions of the City's current and planned compliance activities for 2012.

7.1 Permit Requirements

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

- Develop and implement an O&M program, with the ultimate goal of preventing or reducing pollutant runoff from MS4 and municipal O&M activities.
- Establish maintenance standards for the MS4 that are at least as protective as those specified in the 2005 *Stormwater Management Manual for Western Washington*.
- Perform required inspection frequency of stormwater flow control and treatment facilities and catch basins, unless previous inspection data show that a reduced frequency is justified.
- Have SOPs in place to reduce stormwater impacts associated with runoff from municipal O&M activities, including but not limited to streets, parking lots, roads, or highways owned or maintained by the City, and to reduce pollutants in discharges from all lands owned or maintained by the City.
- Train staff to implement the modified SOPs and document that training.
- Prepare 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 "Pollution Prevention and Operations and Maintenance for Municipal Operations" 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 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.C4.g of the Permit.
- The City summarizes all associated activities in its Annual Compliance Report, due on March 31 of each year.

7.3 Planned 2012 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 2012 SWMP activities related to pollution prevention and O&M activities.

Table 7-1. 2012 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. Designate responsibilities for maintaining records.	Public Works		Ongoing.
PPOM-2	Adopt Ecology 2005 maintenance standards for City-performed maintenance activities.	CAO	Public Works	Adopted Manual February 2010.
PPOM-3	Establish annual inspection program for City-owned or operated stormwater catch basins and flow control and runoff treatment facilities.	Public Works		Ongoing.
PPOM-4	Develop and establish 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 "Pollution Prevention and Operation and Maintenance" component of Annual Report; identify any updates to SWPPP.	Public Works		The SWMP and Annual Compliance Report submittal is due on or before March 31 of each year.

8. MONITORING

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 2012.

8.1 Permit Requirements

The Permit (Section S8) does not require municipalities to conduct water quality sampling or other testing during this Permit cycle, with the following exceptions:

- Sampling or testing required for characterizing illicit discharges pursuant to the SWMP's IDDE conditions.
- Water quality monitoring required for compliance with TMDL conditions (water quality cleanup plans). Mount Vernon is currently not required to conduct TMDL monitoring as part of this Permit because Ecology has not yet developed TMDLs for those water bodies within the Mount Vernon city limits.
- Preparing to participate in a future comprehensive, long-term water quality monitoring plan including two components: (1) stormwater monitoring and (2) targeted SWMP effectiveness monitoring.
- By the fourth Annual Compliance Report (March 31, 2011), Mount Vernon was required to identify two outfalls where permanent stormwater sampling stations can be installed and operated for future monitoring. The City is also required to develop plans to monitor stormwater, sediment, and receiving water for physical, chemical, and/or biological characteristics. One outfall must represent high-density residential land use and the other represent commercial land use.
- To monitor SWMP effectiveness, no later than December 31, 2010, the City was required to identify two suitable SWMP questions and sites where targeted SWMP effectiveness monitoring can be conducted and develop a monitoring plan for these questions and sites. The proposed effectiveness monitoring is required to answer the following types of questions:
  - How effective is a specific targeted action or a narrow suite of actions?
  - Is the SWMP achieving a targeted environmental outcome?

In addition, the City is required to provide the following monitoring and/or assessment data in each annual report:

- A description of any stormwater monitoring or studies conducted by the City during the reporting period. If stormwater monitoring was conducted on behalf of the City, or if studies or investigations conducted by other entities were reported to the City, a brief description of the type of information gathered or received shall be included in the annual report.
- An assessment of the appropriateness of the BMPs identified by the City for each component of the SWMP, and any changes made, or anticipated to be made, to the BMPs that were previously selected to implement the SWMP and why.

8.2 Current Compliance Activities

Beyond the activities associated with implementing the City SWPPP and performing IDDE field investigations, the City currently does not conduct any water quality monitoring intended to facilitate stormwater management decisions, evaluate or assist in pollutant spill response, or otherwise investigate stormwater quality. The City contracts with the SCD, which conducts monthly water quality sampling on Kulshan and Trumpeter creeks as part of its Citizen Volunteer Water Quality Monitoring Program.

In 2010 the City developed a monitoring plan using the outfall map created for the City's IDDE plan. The City's monitoring plan includes future long-term monitoring at two selected outfalls to be monitored and two effectiveness questions to be answered over time.

8.3 Planned 2012 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 2012 SWMP monitoring activities.

Table 8-1. 2012 Monitoring Work Plan

Task ID	Task Description	Lead	Support	Compliance Time Frame
MNTR-1	Report potential violations of water quality standards per Permit S4F requirements. Educate department staff on obligations under S4F of Permit's Compliance with Standards section.	Public Works	CED	Ongoing.
MNTR-2	Participate in or monitor regional and state monitoring forums (Stormwater Work Group) and future legislative actions in order to influence development of feasible and effective alternative future monitoring requirements.	Public Works	Stormwater Work Group	Ongoing.
MNTR-3	Preparing a future comprehensive, long-term water quality monitoring plan including two components: (1) stormwater monitoring and (2) targeted SWMP effectiveness monitoring.	Public Works	Road Map, Stormwater Work Group	Completed in 2010.
MNTR-4	Identify two outfalls where permanent stormwater sampling stations can be installed and operated for future monitoring.	Public Works		Completed in 2010.
MNTR-5	Summarize annual monitoring activities for the Annual Report conducted by any other entities; identify SWMP updates.	Public Works		The SWMP and Annual Compliance Report submittal is due on or before March 31 of each year.

9. SUMMARY

The City of Mount Vernon is currently in compliance with the Phase II Permit and has planned activities for 2012 to ensure continued compliance. There are multiple tasks that the City has completed and several that the City is planning to align itself with the Permit requirements.

The Public E&O Program has been implemented through the City's contract with the SCD, which has reached out with useful information 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.

The City has developed a system for notifying the public and allowing for comment on the SWMP document each year and presenting the document to the City Council. This allows the public to be involved in the City's stormwater management program.

The City has an ongoing IDDE Program, which includes a spill hotline. Each year the hotline has received more 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. The City plans to work with SCD to distribute additional educational materials that are directed at IDDE.

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

For 2012, the current Phase II Permit has been extended. It is expected that a new Permit will be issued in 2013. Based on the draft Permit language now available, it appears that LID and monitoring requirements will be the most significant changes in the new Permit. Ecology is also in the process of updating the *Stormwater Management Manual for Western Washington* and the Puget Sound Partnership is likewise updating the *LID Guidance Manual for Puget Sound*. Both of these documents will need to be reviewed by the City before they are adopted into code.

Additional information on the City's NPDES program can be found online at http://www.ci.mount-vernon.wa.us/surface_water_utility.

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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.

AKART means all known, available, and reasonable methods of prevention, control and treatment. **All known, available and reasonable methods of prevention, control, and treatment** refers to the State Water Pollution Control Act, Chapter 90.48.010 and 90.48.520 RCW.

APWA is the American Public Works Association.

Basin plan is a surface water management process consisting of three parts: a scientific study of the basin's drainage features and their quality; developing actions and recommendations for resolving any deficiencies discovered during the study; and implementing the recommendations, followed by monitoring.

Best management practices (BMPs) are the schedules of activities, prohibitions of practices, maintenance procedures, and structural and/or managerial practices approved by the Department 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.

CAO means the City Attorney's Office.

CED means the Community and Economic Development Department.

CFR means Code of Federal Regulations.

Component or **Program component** means an element of the SWMP listed in S5 SWMP for Cities, Towns, and Counties or S6 SWMP for Secondary Permittees of this Permit.

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.)

Discharge for the purpose of this permit means, unless indicated otherwise, any discharge from an MS4 owned or operated by the Permittee.

Ecology's Western Washington Phase I Municipal Stormwater Permit regulates discharges from municipal separate storm sewers owned or operated by Clark, King, Pierce and Snohomish Counties, and the cities of Seattle and Tacoma.

Ecology's Western Washington Phase II Municipal Stormwater Permit covers certain "small" MS4s.

Entity means another governmental body, or public or private organization, such as another Permittee, a conservation district, or volunteer organization.

EPA means the U.S. Environmental Protection Agency.

Equivalent document means a technical stormwater management manual developed by a state agency, local government, or other entity that includes the Minimum Technical Requirements in Appendix 1 of this Permit. The Department may conditionally approve manuals that do not include the Minimum Technical Requirements in Appendix 1; in general, the BMPs included in those documents may be applied at new development and redevelopment sites, but the Minimum Technical Requirements in Appendix 1 must still be met.

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.

Illicit connection means any manmade conveyance that is connected to a municipal separate storm sewer without a permit, excluding roof drains and other similar type connections. 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 municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to an NPDES permit (other than the NPDES permit for discharges from the municipal separate storm sewer) and discharges resulting from fire fighting activities.

IDDE means illicit discharge detection and elimination.

IS means the Information Services department.

Low impact development (LID) means a stormwater management and land development strategy applied at the parcel and subdivision scale that emphasizes conservation and use of on-site natural features integrated with engineered, small-scale hydrologic controls to more closely mimic pre-development hydrologic functions.

Major municipal separate storm sewer outfall means a municipal separate storm sewer outfall from a single pipe with an inside diameter of 36 inches or more, or its equivalent (discharge from a single conveyance other than circular pipe which is associated with a drainage area of more than 50 acres); or for municipal separate storm sewers that receive stormwater from lands zoned for industrial activity (based on comprehensive zoning plans or the equivalent), an outfall that discharges from a single pipe with an inside diameter of 12 inches or more or from its equivalent (discharge from other than a circular pipe associated with a drainage area of 12 acres or more).

*Note: The IDDE program requires mapping of outfalls that are 24 inches or greater in diameter.

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 (MEP) 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: see **Municipal separate storm sewer system**.

MTRs means minimum technical requirements.

Municipal separate storm sewer system (MS4) means a conveyance, or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, 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 the United States;

(ii) designed or used for collecting or conveying stormwater;

(iii) which is not a combined sewer; and

(iv) which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

National Pollutant Discharge Elimination System (NPDES) 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 Department of Ecology.

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

Outfall means point source as defined by 40 CFR 122.2 at the point where a municipal separate storm sewer discharges to waters of the State and does not include open conveyances connecting two MS4s, or pipes, tunnels, or other conveyances which connect segments of the same stream or other waters of the State and are used to convey waters of the State.

O&E means outreach and education.

O&M means operations and maintenance.

Permittee: Unless otherwise noted, the term "Permittee" includes Permittee, Co-Permittee, and Secondary Permittee, as defined below:

(i) A "Permittee" is a city, town, or county owning or operating a regulated small MS4 applying and receiving a permit as a single entity.

(ii) A "Co-Permittee" is any operator of a regulated small MS4 that is applying jointly with another applicant for coverage under this Permit. Co-Permittees own or operate a regulated small MS4 located within or adjacent to another regulated small MS4.

(iii) A "Secondary Permittee" is an operator of regulated small MS4 that is not a city, town, or county.

RCW means the Revised Code of Washington.

SCD means the Skagit Conservation District.

Small municipal separate storm sewer system or **small MS4** is a conveyance or system of conveyances for municipalities having populations of less that 100,000 according to the 1990 U.S. census. Such systems include road drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, and/or storm drains that are:

a. Owned or operated by a city, town, county, district, association or other public body created pursuant to State law having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer districts, flood control districts or drainage districts, or similar entity.

b. Designed or used for collecting or conveying stormwater.

c. Not a combined sewer system,

d. Not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

e. 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).

Small MS4s include systems similar to separate storm sewer systems in municipalities such as universities, large publicly owned hospitals, prison complexes, and highways and other thoroughfares. Storm sewer systems in very discrete areas such as individual buildings do not require coverage under this Permit.

Small MS4s do *not* include storm drain systems operated by non-governmental entities such as: individual buildings, private schools, private colleges, private universities, and industrial and commercial entities.

SOPs, or standard operating procedures, are the best practice approach to executing tasks or activities. In this document, they primarily pertain to the activities that will be implemented to protect stormwater quality.

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

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 Manual for Western Washington means the five-volume technical manual (Publication Nos. 99-11 through 15 for the 2001 version and Publication Nos. 05-10-029-033 for the 2005 version [the 2005 version replaces the 2001 version]) prepared by Ecology for use by local governments that contains BMPs to prevent, control, or treat pollution in stormwater.

Stormwater Management Program (SWMP) means a set of actions and activities designed to reduce the discharge of pollutants from the regulated small MS4 to the maximum extent practicable and to protect water quality, and comprising the components listed in S5 or S6 of this Permit and any additional actions necessary to meet the requirements of applicable.

Stormwater pollution prevention plan (SWPPP) means a document that describes measures a municipality takes to prevent or mitigate stormwater pollution.

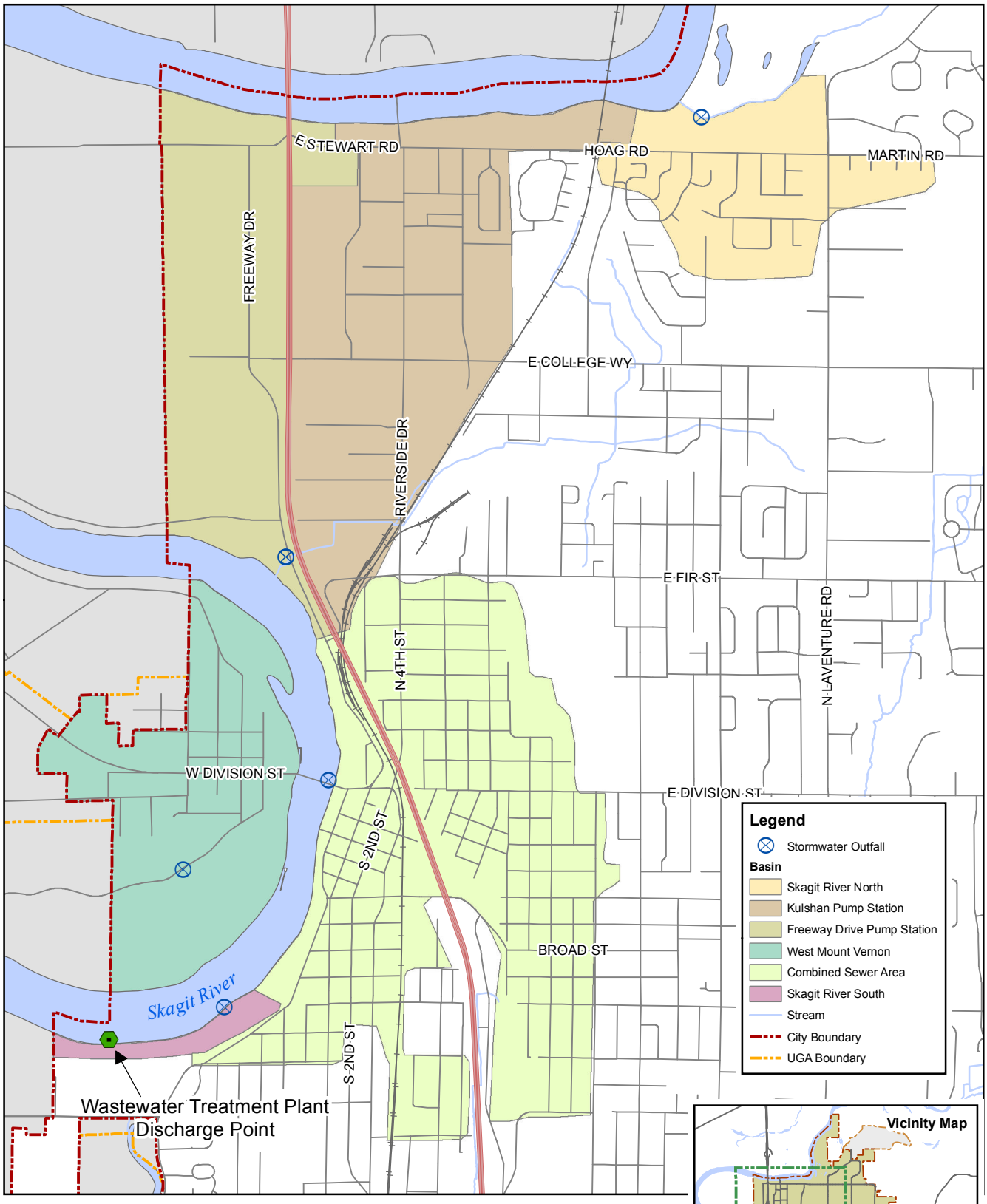
Total maximum daily load (TMDL) means a regulatory term in the U.S. Clean Water Act (CWA), describing a value of the maximum amount of a pollutant, or total maximum daily load.

WAC means the Washington Administrative Code.

WWCBA means the Washington Wastewater Collection Personnel Association.

APPENDIX B

Mount Vernon Storm Sewer System Map



City of Mount Vernon
Direct Discharge and CSO Areas

City of Mount Vernon Engineering, January 2012

Please Contact Us:

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Mount Vernon, WA 98273

Tel: 360.336.6204
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Brown AND Caldwell

SKAGIT CONSERVATION DISTRICT STORM WATER EDUCATION PROGRAM 2011 REPORT

Prepared by: Kristi Carpenter

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, 2011 through December 31, 2011. 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.

2011 Activities

1. PUBLIC PARTICIPATION AND INVOLVEMENT

Watershed Masters Volunteer Training Program

- The Watershed Masters Volunteer Training program was conducted September 27th through November 15th, 2011 (8-week training) with 17 individuals completing the training.
- Over 160 sustainable backyard practices employed and reported by fall 2011 Watershed Master graduates.
- 3,266 volunteer hours reported from Watershed Master participants in 2011.
- Program evaluation forms were completed by program participants and included a survey of behavior changes of participants based on information received in class.

Skagit Stream Team

- Clyde Creek in Anacortes was added to the Skagit Stream Team program this year.
- 12 Stream Team volunteers monitoring Kulshan Creek and Trumpeter Basin for 2011/12 season (Stream Team year is September through August).
- 6 Stream Team volunteers for Brickyard Creek for 2010/11 sampling season (Sept. 2010 thru August 2011).
- 2 Stream Team volunteers for Gages Slough for 2011/12 sampling season.
- 4 Stream Team volunteers monitoring Clyde Creek in Anacortes.
- 74 Stream Team volunteers are participating in the 2011/12 Stream Team program overall.
- Other streams monitored by Stream Team volunteers in 2011/12 include Joe Leary Slough, Bay View, Samish, Nookachamps, No Name Slough, and Fisher Creek. In addition, 11 volunteers are monitoring during rain events in the Bay View drainage and No Name Slough (Storm Team).
- Total of 50 monitoring stations monitored twice a month by Stream Team volunteers, with the exception of Gages Slough which is monitored monthly.
- 73 2010/11 Stream Team volunteers were recognized at the Annual Year-End Stream Team Celebration, which was held on June 4, 2011.
- 1,177 Stream Team volunteer hours reported for the 2010/11 Stream Team program.
- The Annual Stream Team training was held Sept. 7th and 10th, 2011.
- Parameters monitored by Stream Team volunteers include fecal coliform, temperature, dissolved oxygen, turbidity and total depth.
- Data is entered on excel spreadsheet and in the Ecology EIM system.
- 2010/11 Annual Stream Team Report was completed.

Storm Drain Labeling Program

- Storm drain marking in Sedro-Woolley was completed with 1,934 drains marked within city limits.
- 223 storm drain markers were installed and 379 educational doorknob hangers were distributed in the Division Street neighborhood of Mount Vernon as an Eagle Scout project.
- Staff provided support to the City of Burlington Parks and Recreation "Girl Power" workshop by leading approximately 28 youth participants in marking 29 drains and distributing 100 door knob hangars near the Burlington-Edison High School neighborhood.

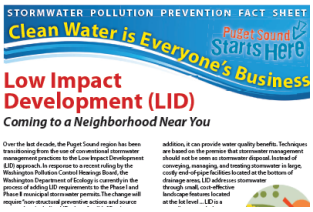
- The Storm Drain Labeling program was promoted through both editions of the Skagit Conservation News and approximately 100 promotional fliers were distributed at local events.

Stormwater Facility Maintenance Workshop

- A Stormwater Facility Maintenance workshop was coordinated in partnership with Skagit County and held on Saturday, January 22, 2011 with 23 attendees. The event was held at the Padilla Bay Research Reserve and included an afternoon field tour of detention pond facilities.

Low Impact Development

- A Rain Garden Workshop was coordinated and held in the Skagit County Commissioners Hearing Room on June 23, 2011 with 45 attendees.
- A Low Impact Development (LID) educational Fact Sheet was designed and printed in June 2011. The fact sheet is available on SCD's website and copies have also been distributed to all MS4 partners. Over 250 copies of the fact sheet have been distributed at local events.



- 8 Low Impact Development presentations were conducted to over 200 individuals (i.e. misc. Garden clubs, Watershed Masters, Backyard Conservation Stewardship class, Beach Watchers, Stream Team, etc)

2. PUBLIC EDUCATION AND OUTREACH

Backyard Conservation Stewardship Program

- The Backyard Conservation Stewardship Short Course was held on Tuesday and Wednesday evenings beginning May 3rd and continued every Tues. and Wed. through May 25th, 2011. The program also included a series of field tours, including a visit to the County rain garden, the Kulshan Bird & Butterfly Garden, the WSU Extension Discovery Garden (composting & 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. 40 individuals completed the spring course.
- A group of class participants from the Spring 2011 course formed the "Friday Creek Habitat Stewards" group to help promote conservation and sustainable

backyard practices that will help protect Friday Creek and the Samish Bay watershed. Staff has been providing ongoing support to this group, including assisting with registration process with the NWF's "Community Wildlife Habitat Program," coordination of monthly meetings, hosting several community workshops, and a successful kickoff event, which was held at Donovan Park on October 8th with 150 participants. Community workshops coordinated in partnership with the volunteer group (with funding provided by other grant sources) included: 1) Family Night at Pomona Grange Park on Aug. 17th with 23 families participating (included a native plant & stream walk, watershed enviroscape model, and other activities to learn about water quality and habitat for fish and wildlife); 2) Gardening for Wildlife Workshop at the Alger Hall on March 31st with 54 attendees; 3) Gardening for Wildlife Workshop at the Blanchard Hall on June 7th with 24 attendees.

- The Friday Creek Habitat Stewards attended a Skagit County Board of Commissioners meeting on July 12, 2011 and were presented with a letter of support for the Friday Creek community wildlife habitat program and commended for their volunteer efforts.
- Maintenance and educational opportunities at the Kulshan Creek Bird and Butterfly Garden continued with support from backyard habitat volunteers.
- The habitat team volunteer groups hosted educational displays at numerous community events, including local farmers markets, Samish Bay Bivalve Bash and Mud run, Family Festival of Farms, SCD's Annual Native Plant Sale, and at numerous related workshops held in the community.
- Staff provided a presentation on Backyard Conservation at the Skagit Farmers Supply (Sedro-Woolley store) on May 7, 2011.
- Staff provided ongoing support and assistance to Backyard Conservation Stewardship program volunteers throughout the year.
- Staff hosted and facilitated monthly meetings with the Skagit Valley Backyard Wildlife Habitat Team and the Friday Creek Habitat Stewards.

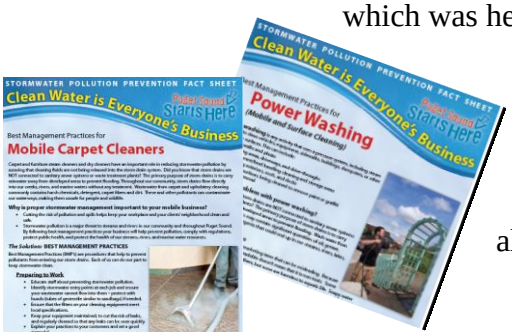
<u>Resource Materials/Education for Local Schools</u>

- Educational packets were prepared and distributed to 468 local teachers. The packets include information on stormwater, watersheds, and other resources and educational programs available for teachers and classrooms through the Skagit Conservation District. Promotion of the EnviroScape Model (stormwater runoff and non-point source pollution) was also distributed.

- 37 storm water education presentations, using the EnviroScape watershed model, were conducted in the following jurisdictions:
  - Anacortes: 9 presentations to 226 students
  - Burlington: 5 presentations to 137 students

Mount Vernon: 9 presentations to 218 students
Sedro-Woolley: 12 presentations to 297 students
Skagit County: 2 presentations to 17 students

- EnviroScape watershed model presentations were also provided at the Family Night at Pomona Grange Park event on August 17th (23 families) and at the Samish River Family Festival & Friday Creek Habitat Stewards Kickoff Event, which was held on Oct. 8th (150 attendees)



Stormwater Educational Brochures and Fact Sheets.

- A fact sheet for carpet cleaning businesses was designed and printed (mobile businesses).
- A fact sheet for power washing businesses was also designed and printed.

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. Staff continued to track use of the kits in an excel spreadsheet, however, we didn't always get the reports submitted to us from each jurisdiction. Our records currently show that approximately 1,817 cars were washed using the kits, keeping 118,105 gallon of water from entering the storm drain system. The City of Burlington purchased 2 additional kits this year so that one kit can remain at Burlington Haggens and one at Burlington Les Schwab due to the number of uses they are getting at these sites.

Storm Water/Low Impact Development Presentations

In 2011 staff provided a power point presentation on storm water and an introduction to low impact development at 11 events, representing approximately 236 people.

Educational Displays

Staff hosted educational displays, providing information on stormwater and low impact development at numerous community events, including the Clean Samish Public Meetings and workshops (10 Samish workshops in 2011), Family Festival of Farms, Samish Bay Bivalve Bash and Mud Run, the Skagit Letterbox Celebration, 2 Gardening for Wildlife Workshops, Family Night at Pomona Grange Park, etc.

Educational Materials Distributed

- 100 Pet Waste educational posters distributed – in addition, due to many requests, the poster was printed on outdoor cardstock with an additional 30 outdoor posters distributed. Staff also provided support to Taylor Shellfish Farms and a group of middle school students who made pet waste

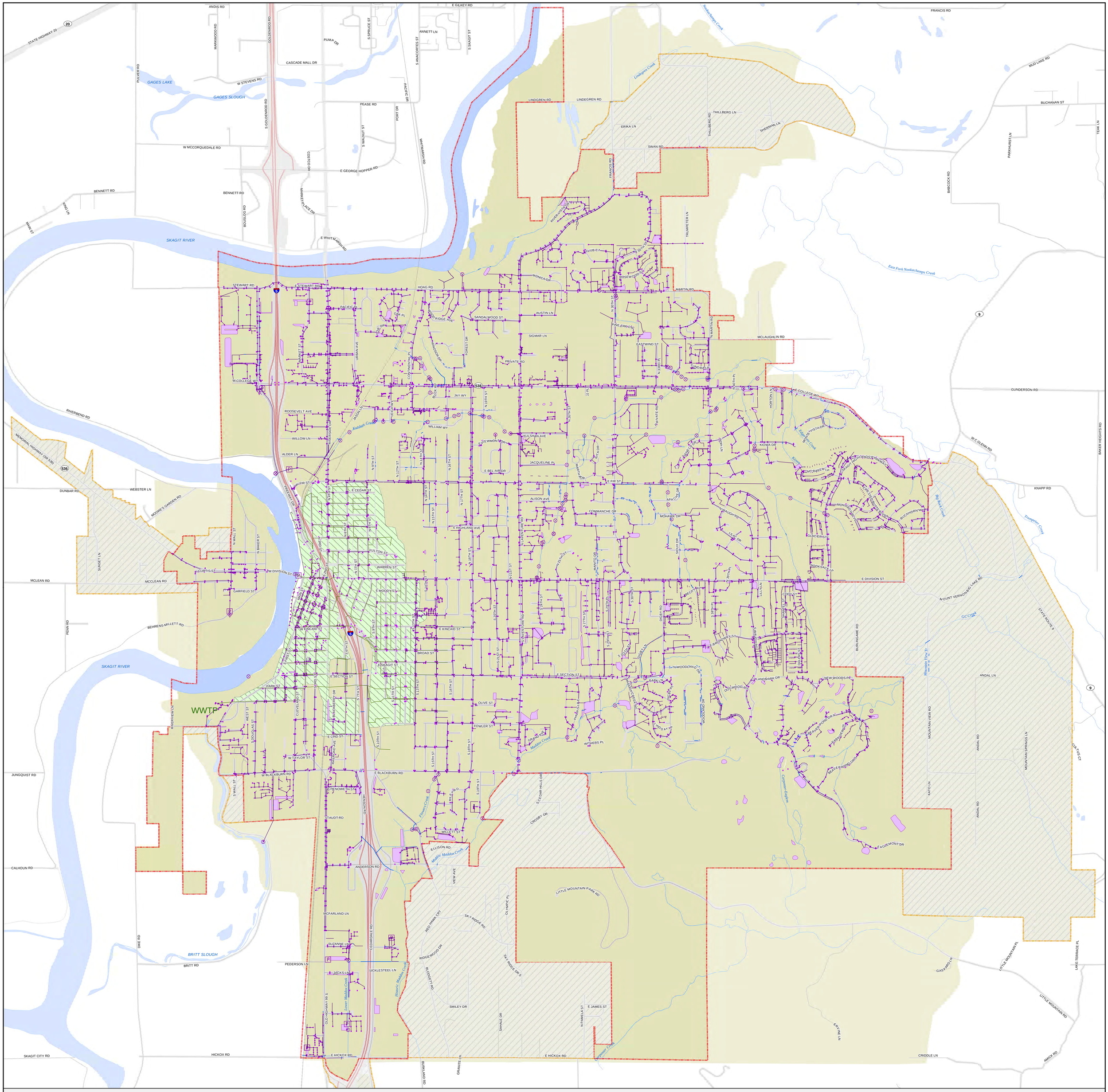
stations for Samish Island as part of their service learning project.
- 50 "Good Cleaning Practices for the Food and Restaurant Industry" posters distributed.
- 74 copies of the 20010/11 Skagit Stream Team Reports distributed (the report is also on the SCD and Padilla Bay Reserve websites).
- 150 Rain Garden Manuals distributed.
- 895 "Discover Stormwater" educational booklets distributed.
- 14 Pesticide Free Zone pledges received (and 14 Pesticide Free signs distributed).
- 225 Storm Drain Labeling promotional fliers distributed.
- 225 Clean and Green Car Wash Kit promotional fliers distributed.
- 150 "Home Tips for Healthy Streams" brochures distributed.
- 200 "10 Essentials Checklist for Rural Landowners" distributed.
- 58 "Turning the Tide on Toxics' publications distributed.
- 58 Natural Yard Care Booklets distributed.
- 250 LID Fact Sheets distributed
- 50 Fact Sheets for Power Washing Businesses were distributed
- 50 Fact Sheets for Carpet Cleaning Businesses were distributed
- 175 SCD Best Management Practices for Skagit Livestock Owners distributed.
- 50 On-Site Septic System maintenance informational packets distributed.

Other
- 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 2011 publications of the Skagit Conservation News – distribution 4,000+ per publication. Topics included: Storm Drain marking (highlighting a local scout group), Watershed Masters recognition, Skagit Stream Team, local pin foundation implementation project, Scoop the Poop, carwash kit promotion, classroom storm water education program, "Only Rain Down the Drain," and 10 things you can do to prevent storm water runoff pollution.

ACTIVITIES PLANNED FOR 2012

- The Backyard Conservation Stewardship Short Course will be conducted in the Spring of 2012.
- Storm drain labeling will continue.
- Skagit Stream Team program will continue with the annual training scheduled for September.
- A minimum of 1 educational brochures/tip sheet will be published.
- A Storm water detention pond maintenance workshop will be held in 2012.

- A Storm water education poster contest will be held in the Spring of 2012 in Anacortes and Mount Vernon and will be held in Burlington and Sedro-Woolley school districts in the Spring of 2013.
- Informational packets highlighting stormwater and water quality education will once again be distributed to local school**s.**
- 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 2012.
- A storm water educational display will be designed.
- Media advertisements will be produced for local media.
- 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.



Map Revised: March, 2012

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
- Culvert
- Combined Sewer Line
- Stormwater Feature
- Pump Station
- Outfall
- Detention Facility
- MS4 Area
- Combined Sewer Area
- City Boundary
- UGA Boundary
- Railroad
- Street Centerlines
- Stream

City of Mount Vernon Stormwater System

0 0.25 0.5 1 Mile

0 0.25 0.5 1 Kilometer

N

City of Mount Vernon
910 Cleveland Avenue
Mount Vernon, WA 98273

Phone: (360)-336-6214

Mount Vernon

City of Mount Vernon
P.O. Box 809
Mount Vernon, WA 98273

Service Request Detail

Report Date 03/14/2012 02:23 PM **Submitted By**

Service # 6196
Problem DIDDE ILLICIT DISCHARGE DETECTION & ELIMINATION

Address 621 N 18TH PL
MOUNT VERNON WA 98273-

Call Date 01/24/2011 16:08
Taken By BLAINEC CHESTERFIELD, BLAINE
Source INTERN
☐ **Customer Contact Requested**

Priority 3 MAJOR
Responsibility SWM SURFACE WATER MANAGER
Project SPILLS
Budget #

Duration of Call 00:00
# of Calls 1

Service Request Progress

Schedule	(resolved)
Inspect	Not inspected with no due date.
Resolve	Resolved at 01/25/2011 04:45 PM with code RESOL RESOLVED. No work orders are required.

Location
Area
District
Parcel
Template Type
Asset

Sub-Area
Map #
A/P #

Primary Caller

Name MVFD
First,MI MARK,
Address

Title

City
State/Province
Country
E-Mail
Day Phone
Call Date 01/24/2011 16:08

☐ **Foreign**

ZIP/PC
Reference #

Evening Phone
Taken By BLAINEC

Comments
MVFD reported that a gallon of oil spilled from a truck and entered the storm drain system. Collection crew needs to visit site and clean up if necessary.

Call List

There are no additional callers for this service number

Comments
1/24/11 Ken B. put down more absorbent pads around the catch basin and around the source of spill.ks. Ken S. Picked up pads 1/25/11. ks.

Inspected						Resolution					
By		**Date**		**Time**		**Code**		**Date**		**Time**	

Scheduled Resources

Employee ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Equipment ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Vehicle ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Mount Vernon

City of Mount Vernon
P.O. Box 809
Mount Vernon, WA 98273

Service Request Detail

Report Date 03/14/2012 02:24 PM **Submitted By**

Service # 6213
Problem DIDDE ILLICIT DISCHARGE DETECTION & ELIMINATION

Address

Call Date 02/11/2011 08:27
Taken By BLAINEC CHESTERFIELD, BLAINE
Source EMAIL
☐ **Customer Contact Requested**

Priority 3 MAJOR
Responsibility SWM SURFACE WATER MANAGER
Project
Budget #

Duration of Call 00:00
# of Calls 1

Service Request Progress

Schedule	(resolved)
Inspect	Not inspected with no due date.
Resolve	Resolved at 02/22/2012 12:00 PM with code RESOL RESOLVED. No work orders are required.

Location ACROSS THE STREET FROM E. FOX HILL ST. BETWEEN N. 33RD PL. AND N. 35TH PL.

Area
District
Parcel
Template Type
Asset

Sub-Area
Map #
A/P #

Primary Caller

Name MACMULLEN
First,MI MEGHAN,
Address ACROSS THE STREET FROM
E. FOX HILL - BTWN 33RD PL & 35TH PL
City MOUNT VERNON
State/Province WA
Country
☐ **Foreign**
E-Mail meghanm@co.skagit.wa.us
Day Phone (360)336-9400 x
Call Date 02/11/2011 08:27

Title
ZIP/PC
Reference #
Evening Phone
Taken By BLAINEC

Comments

From: MeghanMacMullen [mailto:meghanm@co.skagit.wa.us]
Sent: Friday, February 11, 2011 8:27 AM
To: Chesterfield, Blaine
Subject: Foam in Ditch

Hi Blaine, I noticed some brown foam in the ditch across the street from my house the other day. I'm not sure if it's still there, but Mike thought I should drop you a line to let you know. I didn't think to take a picture, however, it was probably too dark to get a quality view. I live on E. Fox Hill St. between N. 33rd Pl. and N. 35th Pl. Like I said, I'm not sure if it's still there or not, but just wanted you to know.

Thanks,
Meghan

Meghan MacMullen, Administrative Assistant
Skagit County Public Works, Surface Water Management
1800 Continental Place, Mount Vernon, WA 98273
360-336-9400 (office) / 360-336-9478 (fax)
meghanm@co.skagit.wa.us

Call List

There are no additional callers for this service number

Comments
From: Chesterfield, Blaine
Sent: Friday, February 11, 2011 12:07 PM
To: Pritchard, Sherri
Subject: FW: Foam in Ditch

Sherri, Can you turn this into a CSR spill report and send to collections. I just spoke with John Dilley and he is going to have someone pick up a sample so that we can test for soap (surfactants) and fecal. I visited the site this morning and took photos of the foaming at the outfall. Let me know if you have any questions.

From: Chesterfield, Blaine
Sent: Tuesday, March 13, 2012 2:42 PM
To: Pritchard, Sherri
Subject: CSR 6213

I investigated this concern on 2/14/2011 at 2PM. There was foam in the stream which was brown or tan in color. The foam appeared to be naturally occurring or could be from past car washing activities in the neighborhood. I drove around the neighborhood and saw no recent car washing activities. There were no other sightings of foam in the drainage system. I had the collection crew take a sample of the water in the area which came back negative for surfactants.

On 2/22/2011 I was in a Skagit County Flood Control Zone District meeting with Meghan and verbally gave her the results of my investigation.

This file can be closed out with no further action required.

Inspected						Resolution					
By		Date		Time		Code		Date		Time	

Scheduled Resources

Employee ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Equipment ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Vehicle ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Mount Vernon

City of Mount Vernon
P.O. Box 809
Mount Vernon, WA 98273

Service Request Detail

Report Date 03/14/2012 02:25 PM **Submitted By**

Service # 6233
Problem DIDDE ILLICIT DISCHARGE DETECTION & ELIMINATION

Address

Call Date 03/03/2011 13:49
Taken By SHERRIP PRITCHARD, SHERRI
Source PHONE
☐ **Customer Contact Requested**

Priority 3 MAJOR **Duration of Call** 00:00
Responsibility SWM SURFACE WATER MANAGER **# of Calls** 1
Project
Budget #

Service Request Progress

Schedule	(resolved)
Inspect	Not inspected with no due date.
Resolve	Resolved at 03/03/2011 02:00 PM with code RESOL RESOLVED. No work orders are required.

Location COLLEGE WAY AT I-5

Area
District
Parcel
Template Type
Asset

Sub-Area
Map #
A/P #

Primary Caller

Name SKAGIT COUNTY
First,MI MIKE,
Address

Title

City
State/Province
Country
E-Mail

☐ **Foreign**

ZIP/PC
Reference #

Day Phone (360)336-9333 x3174
Call Date 03/03/2011 13:49

Evening Phone
Taken By SHERRIP

Comments

From: Pritchard, Sherri
Sent: Thursday, March 03, 2011 1:49 PM
To: Chesterfield, Blaine
Subject: Illicit Discharge

Mike, Skagit County
336-9333 ext. #3174
Called to be sure you knew about the farm sewage truck that spilled sewage on southbound Freeway Drive.
Mike states the MVPD had the truck pulled over just north of Lyons Park; however he wanted to be sure you knew what happened.

Call List

There are no additional callers for this service number

Comments
From: Tewalt, Charlie
Sent: Thursday, March 03, 2011 4:12 PM
To: Chesterfield, Blaine; Pritchard, Sherri; Myers, Michele
Cc: Dilley, John
Subject: RE: Illicit Discharge

The spill was actually on College Way at the I-5 overpass. The City sweeper cleaned it up. Brad Sokol was the operator.

Mount Vernon

City of Mount Vernon
P.O. Box 809
Mount Vernon, WA 98273

Service Request Detail

Report Date 03/14/2012 02:30 PM **Submitted By**

Service # 6286
Problem DIDDE ILLICIT DISCHARGE DETECTION & ELIMINATION

Address

Call Date	05/06/2011 11:00	**Priority**	3 MAJOR	**Duration of Call**	00:00
Taken By	DEANG GILBERT, DEAN	**Responsibility**	SWM SURFACE WATER MANAGER	**# of Calls**	1
Source	INTERN	**Project**	ILL DIS		
☐ **Customer Contact Requested**		**Budget #**			

Service Request Progress

Schedule	(resolved)
Inspect	Not inspected with no due date.
Resolve	Resolved at 05/06/2011 11:25 AM with code RESOL RESOLVED. No work orders are required.

Location BLACKBURN; BEWTWEEN 13TH & BLODGETT

Area		**Sub-Area**	
District		**Map #**	
Parcel			
Template Type		**A/P #**	
Asset			

Primary Caller

Name	GILBERT		
First,MI	DEAN,	**Title**	
Address			
City			
State/Province		**ZIP/PC**	
Country	☐ **Foreign**	**Reference #**	
E-Mail			
Day Phone		**Evening Phone**	
Call Date	05/06/2011 11:00	**Taken By**	DEANG

Comments

Dean drove by and witnessed PUD sawcutting on Blackburn road in the rain without a vacuum, resulting in asphalt and oils entering directly into the storm drain system.

Call List

There are no additional callers for this service number

Comments
Dean called John Torgerson to investigate

From: Torgerson, John
Sent: Friday, May 06, 2011 1:20 PM
To: Pritchard, Sherri; Chesterfield, Blaine; Oates, Claudia
Cc: Torgerson, John
Subject: RE: CSR #6286

I visited the work zone about 8:45 this morning and PUD had a Honda generator running, powering a vacuum. The vacuum was able to keep up on the slurry produced by saw cutting of the asphalt pavement in Blackburn road when I was on site. Dean G called me at 10:42 about turbid water flowing down Blackburn from PUD's work in the City's street. At that time there was a heavy rain. When I returned to the work zone about 10:55 the storm water was going toward the gutter, but PUD had saw cut a channel that was intercepting it and turbid storm water did flow into a grassy ditch before going to a City CB that I did not see before work began because it was covered with grass. At that time I asked Ed H with PUD to have his workers install a filter bag into the CB and to install some wattles. He agreed to do so and I said that if those measures did not resolve the issue he would have to keep the PUD's vactor truck on site to deal with any turbid storm water. Blain C called me at 11:22 about this CSR report wile Ed H was standing next to me. Ed and I at that time were talking about what measures were needed to keep his discharged storm water clean.

City of Mount Vernon
P.O. Box 809
Mount Vernon, WA 98273

Service Request Detail

Service # 6302
Problem DIDDE ILLICIT DISCHARGE DETECTION & ELIMINATION

Address

Call Date	05/20/2011 10:42	**Priority**	3 MAJOR	**Duration of Call**	00:00
Taken By	JOHNT TORGERSON, JOHN	**Responsibility**	SWM SURFACE WATER MANAGER	**# of Calls**	1
Source	INTERN	**Project**	ILL DUMP		
☐ **Customer Contact Requested**		**Budget #**			

Service Request Progress

Schedule	(resolved)
Inspect	Not inspected with no due date.
Resolve	Resolved at 08/02/2011 09:15 AM with code RESOL RESOLVED. No work orders are required.

Location DIGBY HEIGHTS PHASE III; EAST END OF BECKY OFF OF LEANN

Area		**Sub-Area**	
District		**Map #**	
Parcel			
Template Type		**A/P #**	
Asset			

Primary Caller

Name	TORGERSON		
First,MI	JOHN,	**Title**	
Address	CEDD		
City			
State/Province		**ZIP/PC**	
Country	☐ **Foreign**	**Reference #**	
E-Mail			
Day Phone		**Evening Phone**	
Call Date	05/20/2011 10:42	**Taken By**	JOHNT

Comments

John reports that Scott Sutherland informed him of an illegal discharge occurring in Digby Heights, Phase III - the east end of Becky Street off of LeAnn. John reports during phase I of the project he asked contractor to move a barrel. Evidently the barrel was just moved further up the land and now it is leaking into a ditch that runs to a wetland area which flows into a creek. John contacted Department of Ecology and they are sending a team to clean up the area.

Call List

There are no additional callers for this service number

Comments

5/20/11 @ 1:05pm JT reports Carl Anderson, DOE HazMat Specialist, tested the barrel and found it was 2/3 full of diesel with trace amounts of dirt and water. The barrell was taken to the dump and properly disposed of, DOE will require a receipt proving it was properly disposed of. They have a excavator digging up the contaminated soil and currently placing it on plastic until a dumpster can be obtained to haul the soil away. The contaminated soils will be taken to Cemex plant in Everett and DOE will also require a copy of the invoice showing the contaminated soil was properly taken care of. Copy of photo will be filed with copy of CSR in the street file"

From: joewoodmansee [mailto:wci.joe@comcast.net] - Sent: 6/30/11 6:47 AM
To: Andersen, Carl (ECY), Cc: 'Oates, Claudia', Subject: FW:

Carl,
Please find attached the receipts for the removal of Diesel and the delivery of the excavated soil to Cemex in Everett from the Digby Heights site. When we last talked in early June I was waiting to get the receipts from the field to the office. While I realize you were out of town I apologize for any inconvenience the delay has caused. The dates on the paper work will confirm our conversation taken place in early June as to when the removal of the fuel and soil was completed.

I provided these receipts to the City of Mount Vernon around the 8th or 9th of June prior to beginning work on the site.

From: Andersen, Carl (ECY), Sent: 6/30/11 8:52 AM
To: 'wci.joe@comcast.net', Cc: 'Oates, Claudia'

Joe,
Did you get sample results back and a report from the folks that did the soil sampling? You had mentioned you had a company that was going to sample for you and do the testing and provide a report.

From: Andersen, Carl (ECY) [mailto:CARA461@ECY.WA.GOV]
Sent: 7/28/11 1:43 PM, To: Andersen, Carl (ECY); wci.joe@comcast.net
Cc: Oates, Claudia

Looks like you are good to go. Thanks for providing all the documentation. Please call if you have any questions.

From: Oates, Claudia [mailto:claudiao@mountvernonwa.gov]
Sent: 8/2/11 9:06 AM, To: Andersen, Carl (ECY)

Carl -
Just confirming that you consider this case closed with everything resolved?

From: Andersen, Carl (ECY) [mailto:CARA461@ECY.WA.GOV]
Sent: 8/2/11 9:15 AM, To: Oates, Claudia,. Subject: RE:

Hi Claudia,
That is correct. I have no further action on my part. It seems like he completed all of the requests we placed on him including the lab sampling and analysis. It also sounded like he got rid of other containers that were onsite lying around.

From: Oates, Claudia
Sent: Tuesday, March 13, 2012 4:16 PM
To: Chesterfield, Blaine
Subject: FW: Digby Oil Barrel

Hi Blaine,
John mentioned that you had some questions about whether the oil barrel issue at Digby Heights had been resolved. It was before we approved final on the plat. This is an email chain with Carl Andersen of Ecology (the fellow who was on site that day).

From: Chesterfield, Blaine
Sent: Tuesday, March 13, 2012 4:34 PM
To: Pritchard, Sherri
Subject: CSR 6302

Sherri,
See below string of emails for CSR 6302
Ecology considers this closed out and Joe Woodmansee completed all of the requests.
Feel free to copy the string of emails into the file.
Can end at the last Tuesday August 2nd email from Carl Anderson.

Inspected						Resolution					
By		Date		Time		Code		Date		Time	

Scheduled Resources

Employee ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Equipment ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Vehicle ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Mount Vernon

City of Mount Vernon
P.O. Box 809
Mount Vernon, WA 98273

Service Request Detail

Report Date 03/14/2012 02:32 PM **Submitted By**

Service # 6368
Problem DIDDE ILLICIT DISCHARGE DETECTION & ELIMINATION

Address

Call Date 08/10/2011 15:45
Taken By MICHELEM MYERS, MICHELE
Source PHONE
☐ **Customer Contact Requested**

Priority 3 MAJOR
Responsibility SWM SURFACE WATER MANAGER
Project
Budget #

Duration of Call 00:00
# of Calls 1

Service Request Progress

Schedule	(resolved)
Inspect	Not inspected with no due date.
Resolve	Resolved at 08/11/2011 12:00 PM with code RESOL RESOLVED. No work orders are required.

Location CORNER OF KULSHAN AVENUE AND 26TH STREET

Area
District
Parcel
Template Type
Asset

Sub-Area
Map #
A/P #

Primary Caller

Name GILBERT
First,MI DEAN,
Address

Title

City
State/Province
Country
E-Mail

☐ **Foreign**

ZIP/PC
Reference #

Day Phone (360)336-6204 x
Call Date 08/10/2011 15:45

Evening Phone
Taken By MICHELEM

Comments

Dean Gilbert of Mount Vernon Public Works noted a man on the corner of 26th Street & Kulshan working on a truck with fluids flowing freely over the roadway.

Call List

There are no additional callers for this service number

Comments

Michele Myers immediately reported it to Ken Lee, Mount Vernon Code Enforcement.

From: Chesterfield, Blaine
Sent: Tuesday, March 13, 2012 2:49 PM
To: Lee, Ken
Cc: Pritchard, Sherri
Subject: CSR 6368

We are trying to close out some 2011 CSRs for the annual report to Ecology.

CSR 6368 was a report of someone working on a truck at the corner of 26th Street and Kulshan with fluids flowing over the roadway. This was referred to you on 08/10/2011. Do you remember how this was resolved so that we can update the CSR and close it out?
Thanks

From: Lee, Ken
Sent: Wednesday, March 14, 2012 12:34 PM
To: Pritchard, Sherri
Cc: Chesterfield, Blaine
Subject: RE: CSR 6368

Contact was made with the subject on 8-10-12 who had spilled some anti freeze on the street while working on a vehicle and it was soaked up with rags and kitty litter. I closed my case on the 11th.

Inspected						Resolution					
By		Date		Time		Code		Date		Time	

Scheduled Resources

Employee ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Equipment ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Vehicle ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Mount Vernon

City of Mount Vernon
P.O. Box 809
Mount Vernon, WA 98273

Service Request Detail

Report Date 03/14/2012 02:33 PM **Submitted By**

Service # 6370
Problem DIDDE ILLICIT DISCHARGE DETECTION & ELIMINATION

Address 2123 FOWLER PL
MOUNT VERNON WA 98273-

Call Date 08/10/2011 10:16
Taken By BLAINEC CHESTERFIELD, BLAINE
Source INTERN
☐ **Customer Contact Requested**

Priority 3 MAJOR
Responsibility SWM SURFACE WATER MANAGER
Project SPILLS
Budget #

Duration of Call 00:00
# of Calls 1

Service Request Progress

Schedule	(resolved)
Inspect	Not inspected with no due date.
Resolve	Resolved at 08/15/2011 02:35 PM with code RESOL RESOLVED. No work orders are required.

Location
Area
District
Parcel
Template Type
Asset

Sub-Area
Map #
A/P #

Primary Caller

Name HARI
First,MI ROY,
Address MVFD

Title

City
State/Province
Country
☐ **Foreign**
E-Mail
Day Phone

ZIP/PC
Reference #
Evening Phone

Call Date 08/10/2011 10:16
Taken By BLAINEC

Comments

From: Chesterfield, Blaine
Sent: Wednesday, August 10, 2011 10:16 AM
To: Pritchard, Sherri
Cc: Hari, Roy; Lee, Ken
Subject: Illicit Discharge at 2123 Fowler

I just got a call from Chief Hari about some illegal dumping of oil and antifreeze into the drainage system at 2123 Fowler Street. I called Ken Lee and he will take a look at this. Can you please turn this into a CSR and forward to Ken. Ken will update the CSR after the investigation.
2 Pictures forwarded (hard copies filed in "Fowler" street file

Call List

There are no additional callers for this service number

Comments

From: Lee, Ken
Sent: Thursday, August 11, 2011 8:27 AM
To: Chesterfield, Blaine; Pritchard, Sherri
Cc: Hari, Roy
Subject: RE: Illicit Discharge at 2123 Fowler

I took a look at this yesterday. The young man working on his car had a major oil leak from the engine. He had spread oil absorbent (I saw the package and it was an official oil absorbent not just kitty litter) on the oil in the driveway and the street. I had him place some more on the areas in the street. I couldn't find a storm drain in the area that anything would have gotten into. I'll take another look today and make sure he removes the absorbent.

From: Chesterfield, Blaine
Sent: Thursday, August 11, 2011 8:37 AM
To: Lee, Ken
Cc: Hari, Roy; Pritchard, Sherri
Subject: RE: Illicit Discharge at 2123 Fowler

FYI - According to the Fire Department they spread the oil absorbent yesterday not the resident. There was some concern that some kind of chop shop activity was going on at that location.

8/11/11 @ 3:09 pm Ken Lee spoke with homeowner, Chris Leitner. Ken instructed Chris to contact Public Works to find out what he needs to do in order to clean the area up to acceptable standards.

From: Chesterfield, Blaine
Sent: Monday, August 15, 2011 2:35 PM
To: Pritchard, Sherri
Subject: RE: CSR #6370

I spoke with Mr. Leitner on Friday and talked to him about cleaning up the oil spill. It sounded like he was headed in the right direction. Please close out this CSR.

Inspected						Resolution					
By		Date		Time		Code		Date		Time	

Scheduled Resources

Employee ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Equipment ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Vehicle ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Mount Vernon

City of Mount Vernon
P.O. Box 809
Mount Vernon, WA 98273

Service Request Detail

Report Date 03/14/2012 02:33 PM **Submitted By**

Service # 6373
Problem DIDDE ILLICIT DISCHARGE DETECTION & ELIMINATION

Address

Call Date 08/15/2011 13:57
Taken By BLAINEC CHESTERFIELD, BLAINE
Source INTERN
☐ **Customer Contact Requested**

Priority 3 MAJOR
Responsibility SWM SURFACE WATER MANAGER
Project
Budget #

Duration of Call 00:00
# of Calls 1

Service Request Progress

Schedule	(resolved)
Inspect	Not inspected with no due date.
Resolve	Resolved at 08/17/2011 12:00 PM with code RESOL RESOLVED. No work orders are required.

Location 2411 JILLIAN COURT

Area
District
Parcel
Template Type
Asset

Sub-Area
Map #
A/P #

Primary Caller

Name HARI
First,MI ROY,
Address MVFD

Title

City
State/Province
Country
E-Mail
Day Phone
Call Date 08/15/2011 13:57

☐ **Foreign**

ZIP/PC
Reference #
Evening Phone
Taken By BLAINEC

Comments

From: Hari, Roy
Sent: Monday, August 15, 2011 1:57 PM
To: Lee, Ken
Cc: Chesterfield, Blaine; Scally, Tom; ODell, Mike
Subject: Oil spill

Hello, below is cut & paste of my RMS system narrative from a call this morning. This house might bear watching. Nice area, but this situation is bringing it down with all the oil stains in the street and driveway. Not sure if there's a code or pollution thing here.

E111 dispatched to report of oil spill 2411 Jillian Ct. I was in area so self-dispatched to call and arrived within 2 minutes. Noted several vehicles in driveway of residence including the green neon reported by dispatch as well as a silver vehicle also leaking oil. RP was standing on porch and agreed to covering spills with sawdust and letting it sit for a few days, then he will remove. I will check on Thursday. The driveway is downhill toward the house. There is no flow of oil to the street or storm drain. There are several lines of leaking oil visible in street where leaking cars have been pulled in and out of driveway. This may be a municipal code issue.

Call List

There are no additional callers for this service number

Comments

From: Chesterfield, Blaine
Sent: Tuesday, March 13, 2012 3:00 PM
To: Lee, Ken
Cc: Pritchard, Sherri
Subject: CSR 6373 Oil Spill at 2411 Jillian Court

Ken,

Here is another illicit discharge that was referred to you from the Fire Department. I think you went to the resident and talked to them about this issue and resolved it but I cannot remember the details. Can you fill in the details so that we can close this file out?

From: Lee, Ken
Sent: Wednesday, March 14, 2012 12:37 PM
To: Pritchard, Sherri
Cc: Chesterfield, Blaine
Subject: RE: CSR 6373 Oil Spill at 2411 Jillian Court

This incident involved a leaking power steering pump and not much oil had spilled on the street. I had the resident place kitty litter on what was left. I closed my case a couple of days after receiving the compliant.

Inspected						Resolution					
By		Date		Time		Code		Date		Time	

Scheduled Resources

Employee ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Equipment ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Vehicle ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Mount Vernon

City of Mount Vernon
P.O. Box 809
Mount Vernon, WA 98273

Service Request Detail

Report Date 03/14/2012 02:34 PM **Submitted By**

Service # 6419
Problem DIDDE ILLICIT DISCHARGE DETECTION & ELIMINATION

Address 300 S 1ST ST
MOUNT VERNON WA 98273-

Call Date	09/12/2011 22:28		**Priority**	3	MAJOR	**Duration of Call**	00:00
Taken By	BLAINEC	CHESTERFIELD, BLAINE	**Responsibility**	SWM	SURFACE WATER MANAGER	**# of Calls**	1
Source	EMAIL		**Project**				
☐ **Customer Contact Requested**			**Budget #**				

Service Request Progress

Schedule	(resolved)
Inspect	Not inspected with no due date.
Resolve	Resolved at 09/13/2011 11:57 AM with code RESOL RESOLVED. No work orders are required.

Location
Area **Sub-Area**
District **Map #**
Parcel
Template Type **A/P #**
Asset

Primary Caller

Name GILBERT
First,MI DEAN,
Address PUBLIC WORKS

Title

City
State/Province **ZIP/PC**
Country ☐ **Foreign** **Reference #**
E-Mail
Day Phone **Evening Phone**
Call Date 09/12/2011 22:28 **Taken By** BLAINEC

Comments

-----Original Message-----
From: Gilbert, Dean
Sent: Monday, September 12, 2011 10:28 PM
To: Chesterfield, Blaine
Subject: Paint Removal

I noticed some paint removal work is being done at 300 1st Street. They are preparing the building for painting on the east (alley) side. Looks like they are doing a combination of sandblasting and pressure washing. You can see that it is draining into our storm drain system. There is an insert at the catch basin but I thought you should know about this and take a look for yourself.

Call List

There are no additional callers for this service number

Comments
From: Chesterfield, Blaine
Sent: Tuesday, September 13, 2011 11:57 AM
To: Duranceau, Gary
Cc: Pritchard, Sherri; Lee, Ken
Subject: FW: Paint Removal

Gary,

It looks like the wash water from the below report is going into a drain (19-341) that goes to the WWTP. It does not look like a stormwater discharge violation. I wanted to make you aware of this as I did not know if this would be a concern for the WWTP.

Mount Vernon

City of Mount Vernon
P.O. Box 809
Mount Vernon, WA 98273

Service Request Detail

Report Date 03/14/2012 02:34 PM **Submitted By**

Service # 6422
Problem DIDDE ILLICIT DISCHARGE DETECTION & ELIMINATION

Address 3100 N 30TH ST
MOUNT VERNON WA 98273-

Call Date	09/16/2011 14:30		**Priority**	3	MAJOR	**Duration of Call**	00:00
Taken By	SHERRIP	PRITCHARD, SHERRI	**Responsibility**	SWM	SURFACE WATER MANAGER	**# of Calls**	1
Source	PHONE		**Project**	NON STRM			
☐ **Customer Contact Requested**			**Budget #**				

Service Request Progress

Schedule	(resolved)
Inspect	Not inspected with no due date.
Resolve	Resolved at 09/19/2011 10:03 AM with code RESOL RESOLVED. No work orders are required.

Location HIGHLAND GREEN SR APARTMENTS

Area		**Sub-Area**	
District		**Map #**	
Parcel			
Template Type		**A/P #**	
Asset			

Primary Caller

Name	CALLED ANONOUMOUSLY!!!		
First,MI	JUDY LANDY - ANONYMOUS,	**Title**	
Address			
City			
State/Province		**ZIP/PC**	
Country	☐ **Foreign**	**Reference #**	
E-Mail			
Day Phone	(360)424-8719 x	**Evening Phone**	
Call Date	09/16/2011 14:30	**Taken By**	SHERRIP

Comments

Caller states that the manager of the apartments (Deb Phillips 848-8422) directs residents to wash their cars in a place that drains down a small hill and directly into the detention pond and then into the river. Caller did not feel that this was the right thing to do and would like somebody from the City to check it out; however, please do not mention who called, as the manager can be very mean.

Call List

There are no additional callers for this service number

Comments
From: Chesterfield, Blaine
Sent: Monday, September 19, 2011 10:03 AM
To: Pritchard, Sherri
Cc: Lee, Ken
Subject: RE: CSR #6422

I spoke with the anonymous caller about the concern and told her that I would be calling the apartment manager. She said that she will keep the City appraised on the car washing.

Then I called the apartment manager Deb Phillips and spoke with her. Ms. Phillips indicated that she would prevent the water from draining into the pond in the future. They only wash cars once a month according to Ms. Phillips and I suggested that they could try to use our car wash kit. She did not indicate whether she wanted to use the car wash kit or not

Please update and close out the CSR.

Mount Vernon

City of Mount Vernon
P.O. Box 809
Mount Vernon, WA 98273

Service Request Detail

Report Date 03/14/2012 02:35 PM **Submitted By**

Service # 6445
Problem DIDDE ILLICIT DISCHARGE DETECTION & ELIMINATION

Address 401 N 17TH ST
MOUNT VERNON WA 98273-

Call Date 10/12/2011 09:42
Taken By SHERRIP PRITCHARD, SHERRI
Source PHONE
☐ **Customer Contact Requested**

Priority 3 MAJOR
Responsibility SWM SURFACE WATER MANAGER
Project ILL DUMP
Budget #

Duration of Call 00:00
# of Calls 1

Service Request Progress

Schedule	(resolved)
Inspect	Not inspected with no due date.
Resolve	Resolved at 10/12/2011 12:11 PM with code RESOL RESOLVED. No work orders are required.

Location ALPINE RIDGE RETIREMENT

Area
District
Parcel
Template Type
Asset

Sub-Area
Map #
A/P #

Primary Caller

Name DEJONGE
First,MI JOOP,
Address ALPINE RIDGE RETIREMENT
401 N 17TH
City MOUNT VERNON
State/Province WA
Country
☐ **Foreign**
E-Mail
Day Phone (360)424-9622 x
Call Date 10/12/2011 09:42

Title
ZIP/PC
Reference #
Evening Phone
Taken By SHERRIP

Comments
Caller states that during his absence somebody dumped gallons and gallons of what looks like transmission fluid onto their driveway. Caller would like to know how to environmentally safely clean up the mess.

Call List

There are no additional callers for this service number

Comments
Call transferred to Charlie's cell

From: Tewalt, Charlie
Sent: Wednesday, October 12, 2011 12:11 PM
To: Pritchard, Sherri
Subject: RE: CSR #6445

All I did was tell the guy how to clean it up and dispose of the material. He told me that is was contained on private property and that he was going to take care of it.

From: Chesterfield, Blaine
Sent: Tuesday, March 13, 2012 2:55 PM
To: Pritchard, Sherri
Subject: CSR 6445

It looks like Charlie took care of the issue on 10/12/2011. The transmission fluid was contained on private property and did not enter the stormdrains.
Close out this file

Inspected						Resolution					
By		Date		Time		Code		Date		Time	

Scheduled Resources

Employee ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Equipment ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Vehicle ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Mount Vernon

City of Mount Vernon
P.O. Box 809
Mount Vernon, WA 98273

Service Request Detail

Report Date 03/14/2012 02:37 PM **Submitted By**

Service # 6458
Problem DIDDE ILLICIT DISCHARGE DETECTION & ELIMINATION

Address

Call Date	10/24/2011 12:00	**Priority**	3 MAJOR	**Duration of Call**	00:00
Taken By	SHERRIP PRITCHARD, SHERRI	**Responsibility**	SWM SURFACE WATER MANAGER	**# of Calls**	1
Source	INTERN	**Project**	SPILLS		
☐ **Customer Contact Requested**		**Budget #**			

Service Request Progress

Schedule	(resolved)
Inspect	Not inspected with no due date.
Resolve	Resolved at 10/25/2011 10:00 AM with code RESOL RESOLVED. No work orders are required.

Location 561 RUBY PEAK AVE

Area		**Sub-Area**	
District		**Map #**	
Parcel			
Template Type		**A/P #**	
Asset			

Primary Caller

Name	LEE		
First,MI	KEN,	**Title**	
Address	CEDD		
City			
State/Province		**ZIP/PC**	
Country	☐ **Foreign**	**Reference #**	
E-Mail			
Day Phone		**Evening Phone**	
Call Date	10/24/2011 12:00	**Taken By**	SHERRIP

Comments

10/24/11 report by Ken Lee:
Ofc. Vander Griend advised that he had responded with MVFD to 561 Ruby Peak reference a fuel leak. They were told by neighbors that the subject who lives at 561 Ruby Peak, Jason R. Rowell, pumps gas from a large hodling tank in the back of his P/U into his and others vehicles. That today there was a large spill of gas that ran into the storm drain down hill of the property. Public WOrks had also responded and cleaned out the storm drain.
When I arrived I could smell the strong odor of gas and saw an area behind the P.U where the spill had occurred. Ofc. Vander Griend advised that he had witnesses to the fuel pumping that has gone on for a few weeks. I was provided with a name and phone number of the3 suspect adn gave him a acall. I told him I was in front of his residence in REuby Peak with the Police, Fire, and Public Works dept. reference a fuel spill from his truck. Mr. Rowell stated it was not a fuel spill, but that some fuel had leaked when they were filling up a vehicle. He estimated that about a quarter gallon had spilled. He was advised that because gas had entered the storm drain system he would be fined. He was also advised that because I had been told the truck has not moved in several weeks that it would be posted.
The Chev P.U was posted with a 24 hr notice. I wrote on the notice that no flammable fluids could be stored in the truck. I had noted that the gas pump nozzle from (see report - Ruby Peak street file for remainder)

Call List

There are no additional callers for this service number

Comments

From: Chesterfield, Blaine
Sent: Monday, October 24, 2011 5:21 PM
To: Lee, Ken
Cc: Pritchard, Sherri; Bergsma, Ken (Street)
Subject: 161 Ruby Peak Avenue

Hi Ken,

I heard that you might have all of the detailed information on a gasoline spill that happened along Ruby Peak Avenue over the weekend. Can you send Sherri and me the report so that we can log it into the PW spill response database? Ken Bergsma cleaned out the downstream catchbasins and we went down to the detention pond. There was no evidence that the spill made it to the detention pond so we concluded that Ken B. likely got most of it.

10/25/11 report from Ken Lee:
NOI #MI 32008 issued to Mr. Rowell for a violation of MVMC 8.08.030.F: Illicit discharge into the municipal storm drainage system, $205 fine.
Mr. Rowell was also sent a letter advising him of the violation, that the truck had to be moved, and that there be no storage of flammable liquids on the street or near any residence.

Inspected						Resolution					
By		Date		Time		Code		Date		Time	

Scheduled Resources

Employee ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Equipment ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Vehicle ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Mount Vernon

City of Mount Vernon
P.O. Box 809
Mount Vernon, WA 98273

Service Request Detail

Report Date 03/14/2012 02:38 PM **Submitted By**

Service # 6515
Problem DIDDE ILLICIT DISCHARGE DETECTION & ELIMINATION

Address

Call Date	12/28/2011 15:20	**Priority**	3 MAJOR	**Duration of Call**	00:00
Taken By	BLAINEC CHESTERFIELD, BLAINE	**Responsibility**	SWM SURFACE WATER MANAGER	**# of Calls**	1
Source	PHONE	**Project**	ILL DIS		
☐ **Customer Contact Requested**		**Budget #**			

Service Request Progress

Schedule	(resolved)
Inspect	Not inspected with no due date.
Resolve	Resolved at 12/28/2011 04:00 PM with code RESOL RESOLVED. No work orders are required.

Location SKAGIT RIVER; NEAR DIVISION STREET BRIDGE

Area
District
Parcel
Template Type
Asset
Sub-Area
Map #
A/P #

Primary Caller

Name DOE
First,MI DICK WALKER,
Address
Title

City
State/Province
Country
☐ **Foreign**
ZIP/PC
Reference #
E-Mail rwal461@ecy.wa.gov
Day Phone
Evening Phone
Call Date 12/28/2011 15:20
Taken By BLAINEC

Comments
Dick Walker, Department of Ecology, received a report of foam in the river at the Division Street Bridge.

Call List

There are no additional callers for this service number

Comments
From: Chesterfield, Blaine
Sent: Wednesday, December 28, 2011 4:22 PM
To: 'rwal461@ecy.wa.gov'
Cc: Pritchard, Sherri
Subject: Photos of foam on the Skagit River

Hi Dick,

I have attached some photos of the off white foam that is on the west side of the Skagit River. Sorry, it was starting to get dark and some of the photos did not turn out very good. The City of Mount Vernon has no outfalls upstream of this area so the foam cannot be originating from the City. I could not tell if this foam is a surfactant or a natural process. I have spoken with a few folks that fish the river on a routine basis and they insist that there is some sort of foam on the river a couple of miles upstream of Mount Vernon at times. They did not give me any indication if they thought it was natural or a discharge by someone.
Let me know if you have any questions.

Inspected						**Resolution**					
By		**Date**		**Time**		**Code**		**Date**		**Time**	

City of Mount Vernon Low Impact Development Barriers

Prepared for
City of Mount Vernon, Washington
December 2010

Section 1

Introduction

The Western Washington Phase II Municipal Stormwater Permit (Phase II Permit) regulates stormwater discharges for small municipal separate storm sewer systems (MS4s) as established in Code of Federal Regulations (CFR) Title 40, Part 122.26. The Phase II Permit, issued in 2007 and modified in 2009, includes requirements (S9.E.4.a) for permittees to summarize identified barriers to the use of low-impact development (LID) in their MS4s and measures to address these barriers.

The Phase II Permit (S9.E.4.b) also requires the permittee to complete a report (either individually or in cooperation with other permittees) that describes currently available LID practices; potential or planned non-structural LID techniques, goals, and metrics; and schedules for implementation.

The City of Mount Vernon (City) prepared this document to meet the Phase II Permit S9.E.4.a and S9.E.4.b requirements. This document is divided into four sections as follows:

- Section 1 provides an introduction and background information.
- Section 2 discusses general barriers to LID implementation in the city of Mount Vernon.
- Section 3 identifies specific portions of the current City standards and codes that could present barriers to LID implementation.
- Section 4 describes the current and planned LID practices, as well as goals and schedules for implementation.

1.1 Purpose

Special Condition S9.E.4 of the Phase II Permit requires permittees to submit by March 31, 2011, the annual report that includes the following information:

- a summary of identified barriers to the use of LID within the area covered by the permit and measures to address the barriers
- a report describing:
  - currently available LID practices that can reasonably be implemented within this permit term
  - potential or planned non-structural actions and LID techniques to prevent stormwater impacts
  - goals and metrics to identify, promote, and measure LID use
  - potential or planned schedules for the permittee(s) to require and implement the non-structural and LID techniques on a broader scale in the future.

The Washington State Department of Ecology (Ecology) suggests that permittees focus this task on preparing to implement LID requirements expected in the next permit cycle.

1.2 Background

LID techniques can help sites mimic the hydrology and water quality of pre-developed conditions. However, due to site conditions or other obstacles, LID cannot be implemented everywhere. Ecology has required permittees to implement LID techniques “where feasible.” This document is the first step in helping the City determine where LID implementation appears feasible. Although the City cannot control

barriers such as soil infiltration, a high groundwater table, or steep slopes, it can manage codes and standards to allow for LID implementation where feasible.

Limitations

This document is intended to meet the requirements of S9.E.4.a and S9.E.4.b in the current Phase II Permit (dated February 2007, modified June 2009). The current permit is due to expire in 2012, at which time Ecology will issue a new Phase II Permit. The new Phase II Permit could have different requirements with respect to LID. Therefore, the City may need to modify or change this document based on new permit requirements.

The rate of economic recovery may significantly affect the rate of LID implementation. During unfavorable economic conditions new land development and redevelopment projects that would result in LID facility construction may be significantly curtailed. City revenue reductions from taxes, utility service charges, permit fees, and other sources may limit available staff and other resources to facilitate LID implementation. Thus, time frames for LID implementation may be extended by circumstances beyond the control of the City.

1.4 References

The following sources may be useful in preparing submittals for S9.E.4.a and b:

- Survey of Local Governments that Participated in the 2005–2009 LID Local Regulation Assistance Project, Puget Sound Partnership, April 2010
  http://www.psp.wa.gov/downloads/LID/PSPSurveyLIDRegulAsistance_23April2010.pdf
- Puget Sound Partnership's LID Local Regulation Assistance Project (2005, 2006, 2008, 2009)
  http://www.psparchives.com/our_work/stormwater/lid/lid_regs.htm
- Water Quality Scorecard, Incorporating Green Infrastructure Practices at the Municipal, Neighborhood, and Site Scales, USEPA
  http://www.epa.gov/smartgrowth/pdf/2009_1208_wq_scorecard.pdf.

Section 2

Potential LID Barriers and Measures to Address Them

This section discusses some of the general barriers that may apply to Mount Vernon as well as to other jurisdictions and may make LID implementation infeasible. This section also includes suggested actions to remove those barriers and includes potential actions by others (e.g., Ecology, contractors, developers, etc.) as well as the City.

"Where feasible" is not clearly defined: Ecology is working on defining where LID is feasible per a ruling of the Pollution Control Hearings Board (PCHB). Ecology completing the "where feasible" definition is necessary to remove the barrier.

LID definitions: Ecology is working on further defining LID; this definition is necessary to remove the barrier.

Perceptions of compromised public safety and property damage: Some people perceive certain LID techniques as potentially compromising public safety. Some concerns include reduced emergency vehicle access/response by using "skinny" streets to reduce impervious area, exacerbating landslide potential by using infiltration and dispersion, and causing water damage on adjacent properties by using infiltration and dispersion. Ecology and the Puget Sound Partnership should mount a public awareness campaign to inform the public about the benefits and risks of LID techniques.

LID allowable credit calculation: Ecology is working to refine LID credits to be used in reducing detention storage volume and for other potential LID incentives. Some LID credits may be available only on lots with an area greater than 1 acre; relatively few such lots are located in residential neighborhoods within the city. Ecology should complete its work to define allowable LID credit calculation. LID credits against local stormwater management fees could significantly reduce available funding for utility operation and maintenance activities.

Insufficient areas on smaller lots: Certain LID techniques may not be appropriate for application on smaller lots. The City should develop a strategy for assessing small lot feasibility.

Poorly draining soils: Many areas of the City have soils inappropriate for implementation of LID infiltration options. The City must develop a strategy for identifying such areas (perhaps involving definition of appropriate soil conditions, mapping areas of suitable soils, and/or defining how to perform onsite soil suitability analyses).

Moderate and steep slopes: Some areas of the city have slopes that might be too steep for certain infiltration and flow attenuation LID options. The City should develop a strategy for identifying such areas (perhaps involving definition of appropriate slope conditions, mapping areas of suitable slopes, and/or defining how to perform onsite slope suitability analyses).

Unstable slopes: Some areas of the city might be inappropriate for certain infiltration and flow attenuation LID options due to slope instability. The City should develop a strategy for identifying such areas (perhaps involving definition of appropriate slope stability conditions, mapping areas of suitable slope stability, and/or defining how to perform onsite slope suitability analyses).

Aquifer and wellhead protection areas: Some areas of the city require aquifer and wellhead protection, which ensures adequate supplies of safe drinking water. The City must develop a strategy for identifying

such areas and measures to protect them consistent with Code sections addressing critical areas building requirements.

High groundwater and ground/surface interflow: Some areas of the city have high groundwater and ground/surface interflow conditions that may preclude certain infiltration, flow attenuation, and flow reduction LID options. The City should develop a strategy for identifying such areas (perhaps involving definitions of appropriate groundwater conditions, mapping areas of suitable conditions, and/or defining how to perform onsite groundwater suitability analyses).

Local LID designer and contractor expertise: Local experience with LID design and construction is limited. The State should provide training to increase the pool of knowledgeable LID designers, installation and maintenance contractors, and local government permit reviewers.

Performance, reliability, life-cycle cost, and unintended impacts: Early stormwater management efforts using some LID techniques (such as infiltration) achieved limited success. Perceptions exist that LID technique performance may be difficult to predict and that LID facilities may be susceptible to failure, may have relatively high replacement costs over time, and may negatively affect groundwater quality. Moreover, failure of LID measures on private land could lead to public drainage and water quality problems that require expensive capital improvement projects to address. The State should provide monitoring to better understand LID performance and help with LID education efforts.

Property owner education: Many property owners do not clearly understand the maintenance requirements of LID facilities. Local governments need the resources to provide those property owners with necessary information on LID systems and local conditions affecting those systems.

Assuring system performance: With overall stormwater system planning, maintenance, and operations relying on properly functioning LID facilities, it will be necessary to ensure that those systems continue to function as designed. Over time there will be numerous such individual systems of many types that will be employed and widely dispersed across the landscape. Performance of public systems will rely on management of facilities within right-of-ways, easements and dedicated tracts with sufficient inspection and maintenance resources allocated to these efforts. Performance of privately owned and operated systems will rely on efforts of property owners, property management companies, homeowners associations and other entities and their ability to allocate resources for, and perform maintenance activities on, their own systems. Public resources will need to be allocated to ensure that sufficient inspection and enforcement actions can be taken to ensure proper functioning of the privately operated facilities. Funding mechanisms to provide all these necessary resources will need to be identified and implemented.

International Building Code (IBC): The IBC may have requirements and/or standards that inhibit the use of LID practices. The City has no authority to modify the IBC. To date, the City has not encountered any barriers from the IBC. If a barrier becomes apparent in the future, the City will consider exceptions to the IBC that will still protect public safety, and allow for LID techniques where feasible.

Section 3

City-Specific LID Barriers

Many current City codes and standards were written before current LID practices were developed. The City hired a consultant to review portions of the City's codes and related documents to identify challenges to implementing LID. The consultant reviewed the following documents:

- Mount Vernon Municipal Code (MVMC)
- Mount Vernon Engineering Standards (MVES)
- 2005 Stormwater Management Manual for Western Washington (2005 SWMMWW)
- International Building Code (IBC).

The consultant found several sections that may need to be revised to remove barriers to LID implementation. As the City moves forward with LID implementation, the identified barriers will be addressed by the timelines set forth in the 2012 Phase II Permit.

The identified codes, barriers, and potential measures to remove those barriers are summarized in Table 1.

Table 1. LID Barriers and Potential Measures in Mount Vernon			
Code Reference	**Code Section Name**	**Barrier**	**Potential Measure**
MVMC 12.16.164	Trench restoration and street repair standards	Repaving/repairing trenches with impermeable pavement.	Should include permeable pavement as an option.
MVMC 12.16.168	Asphalt acceptance	Types of asphalt include only impermeable materials.	Should include permeable pavement as an option.
MVMC 12.16.280	Surface restoration	Restore to original condition.	Should include permeable pavement as an option.
MVMC 12.28.050 B	Tree planting on public property	Select trees from a list of recommended species.	Make sure that list includes native trees.
MVMC 12.28.050 C	Tree planting on public property	The purpose of trees is to enhance aesthetic continuity and minimize right-of-maintenance.	Should also include LID as a reason.
MVMC 13.33.060 A.5	General stormwater requirements: onsite stormwater management	Minimum Requirement #5: Onsite stormwater management where infiltration or dispersion is not feasible because of very small lot size (<8,000 square feet), impermeable soils, or where there is a potential for creating drainage problems on adjacent lots, downspouts shall be connected to the City storm system. If the storm system is not directly adjacent to the property, the system shall be extended at the proponent's expense.	Where roof runoff dispersal is impractical, the water should be captured (and stored if necessary) for other uses such as landscape irrigation or toilet flushing. Roof runoff from pollutant generating impervious surfaces (e.g., roofs with unisolated HVAC systems) should be directed to a biofiltration system.
MVMC 13.35.030	System of rates and charges	Same rate for all ESU.	There is little opportunity to provide worthwhile incentives for LID unless the City amends the existing stormwater utility fee system.
MVMC 15.28.030	Downspouts or drainpipes required	All water must flow through a pipe or conduit and not over or upon the surface of the sidewalk.	Allow to be connected to infiltration system.
MVMC 15.40.050	Aquifer recharge area regulations	Prohibits underground injection wells that meet the requirements of Chapters 173-218 and 173-200 WAC with the exceptions of 5B22, 5D2, 5G30, 5W12, 5W32, 5R21, and 5S23.	Determine if LID infiltration facilities are allowable under this code and map aquifer recharge areas.
MVMC 15.40.050	Allowed uses with performance standards	Code states "applicant may explore low-impact development site design alternatives and implement them where economically feasible."	Economic feasibility might add another layer of complexity/ambiguity/argument to implementation and be considered a barrier. Revise code to remove "economic" to remove potential ambiguity.
MVMC 15.40.050	Allowed uses with performance standards	Direct injection must be in accordance with the standards developed by authority of RCW 90.46.042.	Verify that RCW pertains to recharge of reclaimed water only and that Ecology and State Health Department have developed standards.

Table 1. LID Barriers and Potential Measures in Mount Vernon			
Code Reference	**Code Section Name**	**Barrier**	**Potential Measure**
MVMC 15.40.070	Geologic hazard area and hillside development standards	Prohibits the use of infiltration systems in erosion and landslide hazard areas and their buffers unless a site assessment report indicates such facilities or systems will not affect slope stability and the systems are designed by a licensed civil engineer.	City will determine the areas of the city where LID is feasible and compare to the landslide hazard areas. City may require additional studies to demonstrate LID feasibility in critical areas including those of potential landslides and aquifer/wellhead protection areas.
MVMC 16.16	Design Standards for Non-Arterial Streets	Establishes standards for street geometry that may limit opportunities for LID.	Explore modifications to street geometry requirements that maintain public safety and at the same time may reduce effective impervious surface areas.
MVES 3-14	Curb Details	Require cement concrete barrier curb and gutter.	Without LID permitted this requirement would discourage LID techniques.
MVES 3-15	Sidewalks	Sidewalk widths range from 6 to 8 feet with greater widths for multiple use facilities.	Could be decreased to allow for LID. May include permeable pavement as an option when maintenance resources become available (the City currently does not have the resources to maintain permeable pavement).
MVES 3-16	Non-motorized bike/pedestrian paths	Minimum of 10 feet wide.	Could be decreased to allow for LID. May include permeable pavement as an option when maintenance resources become available (the City currently does not have the resources to maintain permeable pavement).
MVES 3-17	Public access easements	Minimum of 15 feet wide.	Could be decreased to allow for LID. May include permeable pavement as an option when maintenance resources become available (the City currently does not have the resources to maintain permeable pavement).
MVES 3-18	Surfacing requirements	No permeable pavement options.	May include permeable pavement as an option when maintenance resources become available (the City currently does not have the resources to maintain permeable pavement).
MVES 3-18.d	Surfacing requirements design life	Pavement shall be based on design life of 20 years.	Explore feasibility of 20 year permeable pavement installations. . May include permeable pavement as an option when maintenance resources become available (the City currently does not have the resources to maintain permeable pavement).
MVES 3-25	Asphalt acceptance	Types of asphalt only include impermeable materials.	May include permeable pavement as an option when maintenance resources become available (the City currently does not have the resources to maintain permeable pavement).
MVMC 17	Parking Requirements	Parking area requirements.	Could explore reducing parking area requirements and include opportunities for other LID measures (e.g., rain gardens) for each zoning type and/or encourage pervious surface parking/structured parking.
2005 SWMMWW Vol 1. 2.5.6	Minimum Requirement #6 Runoff Treatment	Does not address how LID techniques can be used to address this minimum requirement.	Ecology is addressing this issue with an update of the Stormwater Management Manual.
2005SWMMWW Vol 1. 2.5.7	Minimum Requirement #7 Flow Control	Does not address how LID techniques can be used to address this minimum requirement.	Ecology is addressing this issue with an update of the Stormwater Management Manual.

Table 1. LID Barriers and Potential Measures in Mount Vernon			
Code Reference	**Code Section Name**	**Barrier**	**Potential Measure**
2005 SWMMWW Vol 1. 2.5.7	Minimum Requirement #8 Basin Planning	Does not address how LID techniques can be used to address this minimum requirement	Ecology is addressing this issue with an update of the Stormwater Management Manual.

Section 4

LID Practices, Goals, Planned Actions, and Timelines

This section addresses the requirements of Phase II Permit conditions S9.E.4.b.i through S9.E.4.b.iv: LID practices available now, potential future LID practices, goals and metrics, and schedules. The information contained in this section does not constitute commitments or requirements.

4.1 LID Practices Currently Available

The term "LID practices" broadly refers to LID as defined in the Phase II Permit. LID practices include both non-structural actions and LID techniques. The City of Mount Vernon is open to all LID where feasible as allowed by local codes and rules. This report section lists LID practices currently employed, allowed, or required, as well as those that are likely to be adopted or implemented before February 2012 (the permit expiration date).

Mount Vernon LID projects have included:

- parking lot permeable pavement
- sidewalk permeable pavement
- public project rain gardens
- private project rain gardens.

The City of Mount Vernon makes development project proponents aware of LID options at pre-application meetings and encourages the use of LID where feasible.

4.2 Potential or Planned Non-Structural Actions and LID Techniques

This section of the report looks beyond the current permit cycle and explores opportunities for actions and techniques that could be enhanced in the future or are not currently in use.

Potential for future enhancement of LID practices include:

- assessing lot coverage requirements for opportunities to take advantage of clustering and reducing impervious surfaces
- assessing the feasibility of reduced roadway widths
- encouraging native vegetation retention
- employing lot setbacks totaling 15 feet on both sides of the lot lines
- developing habitat corridors
- implementing a credit transfer program.

Through its project pre-application process, the City will continue to encourage small-scale engineered facilities and devices or installations that are built for the purpose of mimicking pre-development hydrologic functions. It is anticipated that Ecology will be revising the SWMMWW to update and bring more clarity to implementation of LID techniques.

4.3 Goals and Metrics

The City intends to report on the numbers of each LID technique installed. The City also intends to:

- encourage LID at 90 percent of pre-application meetings
- allow LID techniques to be constructed on 90 percent of sites that are requesting LID, where it is feasible
- track LID implementation as a percentage of sites developed/redeveloped and establish a baseline for future LID implementation goal development.

4.4 Planned Schedule

The City is already encouraging and implementing LID practices. A preliminary schedule to implement LID techniques on a broader scale in the future was developed, but may require modifications when the new Phase II Permit is issued in 2012. The City plans to align its schedule with the permit requirement deadlines. This schedule includes:

- establishing a baseline for LID implementation as a percentage of total development/redevelopment projects (2010)
- reviewing the MVMC for opportunities to further enhance LID practices (2011)
- revising the MVMC to take advantage of identified opportunities to enhance LID practices (2012)
- implementing LID requirements of the new Western Washington Phase II Permit (beginning 2012)
- adopting the revised SWMMWW (2013)
- revising City engineering standards to reflect and facilitate implementation of changes in the City Code, the Phase II Permit, and the State SWMMWW (2013)
- track LID implementation compared to baseline after codes and standards revisions and manual update (2014).

PRELIMINARY SCHEDULE	2010	2011	2012	2013	2014	2015	2016
Continue to encourage LID at pre-application meeting							
Continue allowing LID where feasible							
Establish baseline for LID implementation							
Review code for opportunities to further enhance LID							
Revise Code to enhance LID practices							
Implement LID requirements of new Permit							
Adopt stormwater manual							
Revise engineering standards							
Track LID compared to baseline							

The above actions and schedules will depend on future economic conditions and timeliness of actions by Ecology, allowing for local public involvement and legislative processes. The City will continue to facilitate LID practices where feasible.

December 2011

Mount Vernon
Stormwater Monitoring Plan

This monitoring plan has been prepared to comply with the requirements of section S8 of the Western Washington Phase II Municipal Stormwater Permit effective February 16, 2007 and modified June 17, 2009. The permit requires the City to be prepared for two types of monitoring (1) future long term monitoring and (2) SWMP effectiveness monitoring.

Future, Long Term Monitoring

Permittees shall select outfalls or conveyances based on known water quality problems and/or targeted areas of interest for future monitoring. The Permittee shall document:

1. Why sites were selected;
2. Possible site constraints for installation of and access to monitoring equipment;
3. A brief description of the contributing drainage basin including size in acreage, dominant land use, and other contributing land uses;
4. Any water quality concerns in the receiving water of each selected outfall or conveyance.

Effectiveness Monitoring

In addition, Permittees shall prepare to conduct monitoring to determine effectiveness of the Permittee's SWMP at controlling stomrwater-related problems that are directly addressed by action in the SWMP. Permittees shall identify two suitable questions and select sites where monitoring will be conducted. For two questions, the Permittee shall develop a monitoring plan containing the following elements:

1. A statement of the question, an explanation of how and why the issue is significant to the Permittee and a discussion of whether and how the results of the monitoring may be significant to other MS4s.
2. A specific hypothesis about the issue or management actions that will be tested.
3. Specific parameters or attributes to be measured.
4. Expected modifications to management actions depending on the outcome of hypothesis testing.

Future Monitoring

Site 1: Logan Headwaters Outfall (TC02)

Location

East Division Street near South 24th Street, just east of Logan Creek Retirement Center.

Brief Description

This 48" outfall is at the headwaters of Logan Creek. Based on City infrastructure data, the outfall receives drainage from residential, roadway, and a detention pond that is across E Division Road.

Reason for Selection

This outfall was selected because it is a good representative outfall for high-density residential drainage and because it is located in the Trumpeter drainage basin, which is a high priority basin and has previous monitoring data collected by the volunteer stream teams.

Constraints

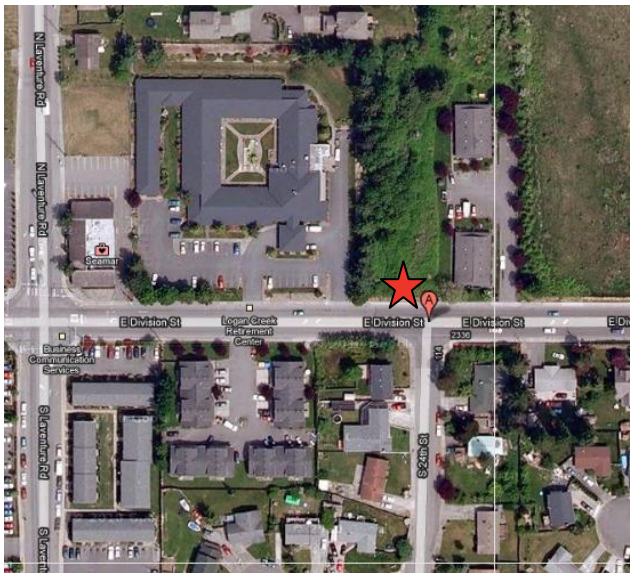
The site has no apparent constraints for installation of and access to monitoring equipment.

Drainage Basin

The drainage basin to this outfall is approximately 76 acres and the dominant land use is high-density residential.

Water Quality Concerns

Water quality samples from volunteer stream team monitoring on Trumpeter Creek have shown elevated levels of bacteria. Logan Creek is a tributary to Trumpeter Creek. Trumpeter Creek was also prioritized in the City's IDDE Plan based on its high potential for illicit discharges.



Outfall Location Near Logan Creek Retirement Center (red star)

Outfall to Creek

Site 2: Freeway Drive Outfall (KC01)

Location

Freeway Drive where Kulshan Creek daylights near Lions Park North.

Brief Description

This 10-inch outfall is located near the confluence of Kulshan Creek with the Skagit River. The 10" outfall is located above where Kulshan Creek daylights.

Reason for Selection

This outfall was selected because it is a good representative outfall for commercial drainage because it is only commercial drainage, with no residential. This outfall was selected because it is in the Kulshan Creek drainage basin, which is a high priority basin and has previous monitoring data collected by the volunteer stream teams.

Constraints

The site has no apparent constraints for installation of and access to monitoring equipment.

Drainage Basin

The drainage basin to this outfall is approximately 174 acres and is entirely commercial land use.

Water Quality Concerns

Water quality samples from volunteer stream team monitoring on Kulshan Creek have shown elevated levels of bacteria. Due to the nature of the land use upstream of the outfall, gas, oil, nutrients, and heavy metals are also a potential concern. Kulshan Creek was also prioritized in the City's IDDE Plan based on its high potential for illicit discharges.

Outfall Location Near Park (red star)

Outfall to Creek (circled in yellow)

Limitations

Due to the current work of the Stormwater Workgroup (SWG), it is anticipated that the permit requirements will significantly change in the next permit cycle. This plan is intended to meet the requirements of the existing Permit (dated February 2007, modified June 2009), but the City may modify or change this plan based on new permit requirements.

The rate of economic recovery may significantly affect the City's ability to conduct stormwater monitoring. City revenue reductions from taxes, utility service charges, permit fees and other sources may limit available staff and other resources to conduct the stormwater monitoring described in this plan.

Effectiveness Monitoring

Question #1: Will a biennially cleaning of catch basins in residential land use areas and annual cleaning of catch basins in industrial and commercial land use areas results in increased sediment removal?

The City currently inspects all catch basins biennially throughout the City. The Permit requires that jurisdictions inspect all catch basins once throughout the permit cycle. Sediment removal is considered to provide significant water quality benefit given the extensive research results showing linkages between stormwater sediment and other pollutants. It is thought that catch basins in higher pollutant loading areas (e.g. industrial, commercial) may benefit from a more frequent cleaning schedule, while catch basins in lower loading areas (e.g. park, open space, residential) could have a more relaxed cleaning schedule without any significant negative impacts to water quality.

Hypothesis

This study may prove that the City can revise its maintenance schedules to improve overall water quality by focusing resources on cleaning the catch basins that are shown to have higher sediment loads each year.

Parameters or attributes to be measured

Mount Vernon maintains extensive maintenance records related to sediment removal. These maintenance records will serve as the basis for this study and be used to identify suitable monitoring locations. The selected subset of catch basins will be inspected monthly and after significant storm events. Inspections will include photographs and percent full of sump capacity for sediments.

Expected Outcomes

The City of Mount Vernon currently inspects and cleans City-owned catch basins biennially. Section S5.C4.C.iii. of the Western Washington Phase II Municipal Stormwater Permit states that jurisdictions may modify maintenance schedules if there are maintenance records to support a different schedule. It is anticipated that through this effectiveness monitoring program, Mount Vernon can re-allocate resources to improve their maintenance schedule for catch basin sediment removal to improve overall water quality.

Question #2: Does the City's private drainage system inspection program make a difference in proper maintenance of and improved water quality from private stormwater facilities?

Most MS4s rely on private stormwater facilities to help protect water quality within their jurisdiction. Those facilities can rely on specific pollutant removal structures (e.g. oil/water separators, filters, etc.) as well as sediment removal to improve water quality. Sediment removal is considered to provide significant water quality benefit given the extensive research results showing linkages between stormwater sediment and other pollutants.

When these facilities do not function due to lack of or improper maintenance, additional resources may be required from the local jurisdictions to increase efforts downstream to properly maintain facilities or to install/improve public facilities to meet water quality objectives. In some cases, the poorly maintained private facilities may results in flooding as well as water quality issues.

Hypothesis

Once City staff inspects a private stormwater facility and provides property owners with proper educational materials to better understand their stormwater facility and the necessary maintenance, at least 80% of private facilities within the City will be properly maintained, thereby improving water quality.

Parameters or attributes to be measured

Visual inspections of privately maintained stormwater facilities and filled out inspection checklists.

Expected Outcomes

Private stormwater facility inspections results in 80% of private facilities being maintained to operate as intended, which reduced sediment loading and the City's O&M program efforts. Experience in other jurisdictions suggests that functionality of private systems is very low without private inspections.

"Fall 2011" Watershed Masters Volunteer Training Program
Post-Program Evaluation

Thank you for participating in the Watershed Masters Volunteer Training Program! In order to assess your satisfaction with the course, we would appreciate your time in filling out this evaluation form and in providing input on the class presentations and field trips that you participated in as part of this program. Please return the completed evaluation form to Kristi Carpenter (at our November 15th session). If needed, you can email to: kristi@skagitcd.org or mail to: Attn: Kristi, Skagit Conservation District, 2021 E. College Way, Suite #203, Mount Vernon, WA 98273. Thank you!

Circle your rating of the following presentations
1 = Poor 4 = Excellent

Session #1

					Overall
Introduction to the Watershed Masters Program What is a Watershed? Kristi Carpenter, Skagit Conservation District	1	2	3	4	**3.6**
Water Quality Health of Skagit Streams (County Water Quality Monitoring Program) Rick Haley, Skagit County Public Works	1	2	3	4	**3.7**

Comments:

- **Great introduction, well prepared!**
- **Two great presentations to start the class.**
- **Great job! Thank you for putting so much into our class. I have gotten a lot of very good info out of every class.**

Field Trip #1: Return of the Salmon (Friday Creek @ Pomona Grange Park, Samish Fish Hatchery Holding Pond, Sekora's NRSP Project, and Thomas Creek CREP Project

Habitat Needs of Salmon & Samish Holding Pond Tour Steve Seymour, WA Dept. of Fish & Wildlife	1	2	3	4	**3.9**
Jack & Wendy Sekora's NRSP Project	1	2	3	4	**3.5**
Thomas Creek Restoration Project Christine Woodward, Samish Indian Nation	1	2	3	4	**3.9**

Comments:

- **My favorite was the Thomas Creek Restoration Project.**

- **Lots of great information!**
- **It was nice to be able to go tour the restoration projects done by the Sekora's and the Samish Nation.**
- **Loved having Steve Seymour in the field with us following his talk.**
- **Walked property (Thomas Creek) and sensed enthusiasm for the project.**

Session #2

Salmon of the Skagit
David Beatty, Nooksack Salmon Enhancement Group 1 2 3 4 **3.8**

Poisoned Waters Video 1 2 3 4 **3.4**

- **Would be a good idea to watch whole film. Very good, mind blowing to what we have done.**
- **Depressing but mind expanding.**

Comments:

Session #3, Taylor Shellfish Farms

Exploring our Local Shellfish Resources
Bill Dewey, Taylor Shellfish Farms 1 2 3 4 **3.8**

Local Partnerships for Water Quality Protection
Steve Olsen, Skagit Conservation Education Alliance 1 2 3 4 **3.8**

Comments:

- **Thank you for the excellent dinner!**
- **This session just blew me away!**

Field Trip #2: "The Values and Functions of Estuaries," Padilla Bay Research Reserve & Bay View State Park

Values & Functions of Estuaries
Glen "Alex" Alexander, Padilla Bay Research Reserve 1 2 3 4 **3.9**

Comments:

- **Enjoyed "Frenchy!"**
- **This was my favorite field trip and probably one of the best sessions of Watershed Masters class. Bravo, Alex!**
- **Enjoyed the tour of the Padilla facility.**
- **Really liked identifying the little live things from the beach.**

Session #4

Geology of the Pacific Northwest
Professor Scott Babcock, Western Washington University 1 2 3 4 **3.6**

Climate Change Impacts in the Pacific Northwest
Professor Richard Gammon, University of Washington 1 2 3 4 **3.7**

Comments:

- **Professor Gammon's presentation is <u>better</u> than the Al Gore movie.**
- **Richard Gammon brought home the urgency of our situation.**
- **Climate change presentation needs to be updated. A lot of what he talked about has changed again.**
- **Dr. Babcock's presentation was a bit light. I was hoping for more info on how geology impacts the watershed more recently.**

<u>Field Trip #3 – Hansen Creek Restoration Project & Exploring Baker Dam</u>

Hansen Creek Restoration Project
Lauren Rich, Upper Skagit Indian Tribes 1 2 3 4 **3.8**

Tour Baker River Dam & PSE Salmon Spawning Grounds
Mike Ficklin, Puget Sound Energy 1 2 3 4 **4.0**

Comments:

- **Very informative**
- **Best field trip – very informative**

<u>Session #5</u>

"Out of Site – Out of Mind" – Getting to Know Your On-Site Sewage System
Wade Bassett, Skagit County Health Dept. 1 2 3 4 **3.8**

Gardening for Wildlife – Backyard Conservation
Kristi Carpenter, Skagit Conservation District 1 2 3 4 **3.9**

Comments:

<u>Session #6</u>

Skagit County's NPDES (Stormwater Program) Requirements
Mike See, Skagit County Public Works 1 2 3 4 **3.5**

Introduction to Low Impact Development
Kristi Carpenter, Skagit Conservation District 1 2 3 4 **3.6**

Nuts & Bolts of Building a Rain Garden
Zsofia Pazstor, Innovative Landscape Technologies 1 2 3 4 **3.6**

- **Very informative, good information about where is best place to build and what plants are best.**
- **Very informative!**

Comments:

Session #7

Intro to the Soils of Skagit County Phil Roberts, Natural Resource Conservation Service	1	2	3	4	**3.6**
Knotweed & Other Invasive Plants Todd Woodard, Samish Indian Nation	1	2	3	4	**3.8**
Introduction to Agricultural Best Management Practices Carolyn Kelly, Skagit Conservation District	1	2	3	4	**3.5**

Comments:

- **All presentations offered a piece of the bigger picture. All very knowledgeable.**

Session #8

History of the Environmental Movement Professor John Miles, Western Washington University	1	2	3	4	**4.0**

Comments:

- **Very important to learn. I am glad this was one of the presentations.**

OVERALL PROGRAM RATING	1	2	3	4	**4.0**

Did the program meet your expectations? **100% Yes** _____ **No**

If "No," why not?

- **I thought there would be more specific info on native plants. There was much more about salmon than I expected.**
- **I learned so much!**

Would you recommend this course to a friend? **100% Yes** _____ **No**

If "No," please explain:

- **I'm hoping to bring my husband next time!**
- **Everyone should take this course!**

Were you satisfied with the materials available? **100% Yes** _____ **No**

If "No," why not?

Were you satisfied with the facility? **100% Yes** _____ **No**

If "No," please explain:

- **However, something closer to Mount Vernon would be appreciated.**

Are there special topics that are of interest to you that weren't covered during the program? Please list:

- **I would have liked to know more about forestry and the extent of pollution prevention.**
- **Industrial chemical abuse and what citizens can do to bring this to governmental committees.**
- **I would have liked to learn more about composting but the instructor was injured and could not make the class.**

What sustainable practices do you employ (or plan to) to help prevent polluted runoff? (Please check applicable answers after each statement below)

I keep litter, pet wastes, and debris out of street gutters and storm drains – these outlets drain directly to lakes, streams, rivers, and wetlands.
_100%Yes _____Plan to _____No

I pick up domestic pet waste (scoop the poop, bag, and trash – may be able to "flush" with smaller dogs).
_62%Yes _____6%Plan to _____No ___31%N/A (not applicable)

I wash my car at a car wash or on the lawn (rather than street or driveway).
__73%Yes ____15%Plan to _____1%No

When I wash my car, I choose a soap that has low or no phosphorus content.
__67%Yes ___33%Plan to _____No

- **I have a dirty car**

I will eliminate or apply lawn and garden chemicals sparingly and according to directions
___77%Yes ___23%Plan to _____No

- **I use no chemicals**

I use compost to enhance or replace chemical fertilizers.
___83%Yes ____17%Plan to _____No

I have eliminated or reduced the use of chemical pesticides.
___73%Yes ____27%Plan to _____No

I dispose of used oil, antifreeze, paints, and other household chemicals properly, NOT in storm sewers or drains.
___92%Yes ____8%Plan to _____No

I control soil erosion on my property by planting ground cover and stabilizing erosion-prone areas.
___67%Yes ____8%Plan to _____No ___25%N/A (not applicable)

I will have my septic system inspected and pumped regularly so that it operates properly.
___33%Yes ____1%Plan to _____No ___58%N/A (not applicable)

I manage animal waste (livestock) to minimize contamination of surface water and ground water.
____8%Yes _____Plan to _____No ___92%N/A (not applicable)

I have directed the downspouts away from impervious surfaces and/or attached flexible plastic pipe to the downspouts to direct the water flow onto my lawn, garden, or landscaped area.
___70%Yes ___30%Plan to _____No

I will share what I have learned with friends, neighbors, and family.
___83%Yes ____17%Plan to _____No

Please list any additional changes you have made (or plan to make) on your property or in your daily activities based on information that you learned in class, field trips, or from class materials. Please list:

- **Much more awareness of streams and their importance to keep clean.**
- **While I have always been good about picking up after my dog, I used to let a few poos go on a field near my house. Now I pick up everything!**
- **I will also do my best to use less water while cleaning and bathing.**
- **Let my lawn grow a bit longer and not cut trees back so far.**
- **Continue to garden without pesticides and using organic amendments to soil**
- **Create backyard habitat.**
- **Add rain barrels.**

COMMENTS: Is there anything else that you would like to share about your experience in the Watershed Masters Volunteer Training Program?

- **From day one, I have been so impressed by the course content, materials, and experts you have brought in to do this. It was so worth it. And, I am looking forward to continuing with volunteer opportunities. Thanks.**
- **Kristi has tremendous energy and magnetism. Thanks to Cora too!**
- **4+! Very well planned and executed, Kristi!**
- **Outstanding lineup of speakers.**
- **Well chosen field trip destinations.**
- **I have been working on my property for a couple of years preparing to build. We have brought in huge rocks to stabilize the hillside (we have a spring that runs on to our property that saturated the soil). We directed water away from the building site; put in manhole structure that will store water from down spouts, which has an overflow that will run into a small pond. Of course during all of this we have had to put up silt fence before excavation and plant seed, spread straw, and cover dirt. Plan to plant many more native plants and would like to invite Watershed Masters to our place. I think this**

was a great class and a great way to get a community educated. Great resources. Thanks!

- **I am new to Washington (July 2011) and this course was very informative to me. I learned the history, culture, problems, solutions, and was able to obtain many new references to help me make better choices and lower my impact on the environment.**
- **Just thank you for all the good info. I learned a lot. Now sign me up for my time to give back.**
- **It is heartening to realize how many people are committed to environmental preservation in a very concrete way. Disheartening to know how many destructive things are going on with so little government resources.**

"Spring 2011" Backyard Conservation Stewardship Program
Post-Program Evaluation Results

Thank you for participating in the Backyard Conservation Stewardship Program! In order to assess your satisfaction with the course, we would appreciate your time in filling out this evaluation form and in providing input on the class presentations and field trips that you participated in as part of this program. Please return the completed evaluation form to Kristi Carpenter, Skagit Conservation District, 2021 E. College Way, Suite #203, Mount Vernon, WA 98273. Thank you!

Circle your rating of the following presentations
1 = Poor **4 = Excellent**

Session #1	**Poor**			**Excellent**	
Introduction to the Program: Kristi Carpenter, Skagit Conservation District	1	2	3	4	**3.8**
Testimonial: Local Backyard Wildlife Habitat Communities Donna Schram, Skagit Valley Backyard Wildlife Habitat Team	1	2	3	4	**3.7**
Gardening on the Wing: Bats, Bees, Birds, & Butterflies Russell Link, WA Dept. of Fish & Wildlife	1	2	3	4	**3.9**

Comments:

- **All sessions have been personable and knowledgeable.**
- **Thank you for punctuality!**
- **An excellent start to an interesting program.**
- **Both speakers very informative.**
- **Upbeat, informative beginning!**
- **Exceeded my expectations, I would not change a thing.**

Session #2					
Intro to Native Plants of the Pacific NW Susan Alaynick, Native Plant Society Salal Chapter	1	2	3	4	**3.5**
Intro to the Birds of Skagit County Libby Mills, Local Naturalist/Artist	1	2	3	4	**3.8**

Comments:

- **Information helped me to get enthusiastic to plant natives to attract birds – I have a green backed Heron in 2nd year in backyard.**
- **Susan Alaynick has a soft voice & was a little hard to hear. Content was good.**
- **Susan could use some fresh slides.**

- **Loved hearing birds!**

Session #3: "Discovery Garden Walk and Talk"

Home Composting/Worm Bins 1 2 3 4 **3.6**
Callie Martin, Skagit County Public Works

- **Great gal**
- **Exellent!**

Tour Native Plant Society Demonstration Garden 1 2 3 4 **3.3**
Louise Brissey, Native Plant Society Salal Chapter

Comments:

- **Very informative – will change way I am not composting**
- **Knowledge was astonishing – sometimes hard to hear**
- **Plant walk was too spread out – had trouble hearing speaker**
- **Difficult to hear Louise Brissey because we were such a large group.**
- **The group attending the tour was large and had difficulties in hearing the information. Recommend to have smaller tours run in parallel. One group starting at the front and one starting at the end and working back.**
- **On composting, need a little more detail in starting. Length of time good. Maybe split up group so we can hear speaker better on the Native plant walk.**
- **Too many people on the native plant tour – could not hear anything Louise said.**
- **I enjoyed Callie's enthusiasm and Louise's dedication.**
- **Such enthusiasm!!**
- **Very good outing!**
- **Group was too large – unable to hear Louise most of the time.**

Session #4: Rain Garden & Bird & Butterfly Garden Tour

Skagit County Demonstration Rain Garden 1 2 3 4 **3.6**
Mike See, Skagit County Public Works

- **Great presentation**

Kulshan Neighborhood Bird & Butterfly Garden 1 2 3 4 **3.6**
Ani Gurnee, Aulos Design; Donna Schram, SV Backyard Wildlife Habitat Team; Officer Jon Gerondale, City of Mount Vernon Police Dept.

Comments:

- **Wet**
- **Excellent – although, very wet!**
- **Made me take a walk with grandkids along the garden.**
- **Excellent program!**
- **The enthusiasm and good will of bird and butterfly garden architect was heartwarming. Also, very impressed with role of Mount Vernon Police Dept.**

- **It was nice seeing the rain garden in action on a rainy day.**
- **Through no fault of anyone, the monsoon rain diminished the pleasure of this evening.**
- **A wonderful field trip despite the rain!**
- **Kulshan – it was very interesting hearing about the positive impact the space made on the local area.**
- **The rain kept me home.**
- **A wee tad too long in the rain, but excellent!**

Session #5: Saturday Field Day

Tour of residential homes that have been certified as "Backyard Wildlife Habitat Sanctuaries" 1 2 3 4 **4.0**

Comments:

- **The best! Soooooo inspiring! Can't wait to get rid of my grass.**
- **This was fun – like to see other yards.**
- **Seeing the care and dedication these folks lavish on their gardens was inspiring.**
- **Pleasant day viewing different ways for gardening with native plants.**
- **Outstanding! Would love to have gone out each Saturday! Thank you to the gardeners!**
- **Great!**
- **Very interesting and useful.**
- **Worth every moment. I learned so much and was truly inspired.**
- **This was the highlight of the course – inspirational!**

Session #6

Building Healthy Soils 1 2 3 4 **3.7**
Phil Roberts, Natural Resource Conservation Service Soils Scientist

- What a man! Brilliant and gorgeous!

Care & Maintenance of Your On-Site Sewage System 1 2 3 4 **3.8**
Wade Bessett, Skagit County Health Department

Comments:

- **Wade seemed a little nervous, but boy did he know his stuff! Thanks for sharing**
- **Both speakers were very knowledgeable – subject could have been very dry, but I learned a lot.**
- **Very good sessions!**
- **The soils presentation was fantastic!!**
- **Helped me to understand my septic system.**
- **Both talks were both interesting and informative – even though our home is connected to the city sewer system.**

- **Makes me want to put in a rain garden. Gave me new insight what I was putting down my drains.**
- **A bit dry – could have been better tailored to homeowners and gardeners. Too much detail.**

Session #7	**Poor**				**Excellent**
Gardening with the Help of Pollinators	1	2	3	4	**3.9**
Darren Gordon, House of Bees					

- I loved that he is promoting Bee Plants (I have them for tea!)
-

Intro to Invasive Plants & Noxious Weeds	1	2	3	4	**3.7**
Laurel Baldwin, Whatcom County Noxious Weed Control Board					

Comments:

- **Laurel's presentation made me aware of 3 plants that I pulled after this session – great info!**
- **Talk about more in depth of invasive plants and how and why they are taking over.**
- **Very informative.**
- **Learned more info for taking care of my mason bees.**
- **Great information on both of these.**
- **Another fantastic night. I am now ready to use only natives. I was truly impressed with the wealth of information both oral and handouts.**
- **Both excellent.**

Session #8

Integrated Pest Management	1	2	3	4	**3.4**
Diana Wisen, WSU Extension/Skagit County Master Gardener					

Earth Friendly Garden Design & Landscaping	1	2	3	4	**3.2**
Ann Brooking, Eufloria Landscapes					

Comments:

- **Ann seemed to be unprepared**
- **Both knew their stuff – thank you for the opportunity to ask questions.**
- **I enjoyed the open discussion that Ann had at the end of her presentation. Recommend to have an open discussion of topics added toward end of course for one hour.**
- **Diana was very knowledgeable. I was hoping for more in-depth info regarding landscaping. The speaker assumed we were all experienced gardeners, which I am not.**
- **Both ladies covered their subjects thoroughly.**
- **Ann very funny and pleasant but didn't feel she was prepared to discuss gardening.**

- **Diana was not able to stay on any subject long enough to give me a clear view of the subject – her outline helped immensely. Ann was charming, just not real informative – no handouts to bridge the gap.**

Session #9

Stormwater & our Phase II Communities 1 2 3 4 **3.7**
Mike See, Skagit County Public Works

Applying Low Impact Development Techniques to your Landscape
Kristi Carpenter, Skagit Conservation District 1 2 3 4 **3.8**

Comments:

- Mike and Kristi are a real positive asset to community involvement!
- Good information.
- Should allow more time for questions.

OVERALL PROGRAM RATING 1 2 3 4 **3.9**

Did the program meet your expectations? **100% Yes** _____**No**
If "No," why not?

Would you recommend this course to a friend? **100% Yes** _____**No**
If "No," please explain:

Were you satisfied with the materials available? **100% Yes** _____**No**
If "No," why not?

- Extremely!

Were you satisfied with the facility? **100% Yes** _____**No**
If "No," please explain:

Are there special topics that are of interest to you that weren't covered during the program? Please list:

- **Placement of birdhouses and bat houses**
- **Pesticides**
- **More on Rain Gardens – construction specifics**
- **Roof Gardens: Etera (NW Horticulture) is very involved in this industry and may be a good presenter.**
- **I have nothing to add. The sessions covered a wide range of subjects and were very useful.**
- **Drainage issues – landscaping with drainage problems.**

Would you be interested in participating in additional training sessions, field trips, or "hands on" workshops (such as building bird or bat houses) as part of this group If so, how often? (monthly, every other month, quarterly, etc.)

- **Monthly – 60%**
- **Every other month – 20%**
- **Quarterly – 20%**

Have you, or do you have plans to, certify your backyard with the National Wildlife Federation and/or the WA Dept. of Fish & Wildlife?

21% Yes 58% Plan to 21% No

- Currently certified
- I already sent in for it!

What sustainable backyard practices do you employ (or plan to) to help conserve our resources? (please check applicable answer)

Eliminating Chemical Pesticides	**65% Yes**	**23% Plan to**	**12% No**
Eliminating Chemical Fertilizers	**67% Yes**	**26% Plan to**	**7% No**
Encouraging Pest Predators	**57% Yes**	**43% Plan to**	**0 No**
Building Healthy Soil with Mulch & Compost	**58% Yes**	**42% Plan to**	**0 No**
Reducing Lawn Area	**52% Yes**	**41% Plan to**	**7% No**
Drip or Soaker Hose for Irrigation	**41% Yes**	**41% Plan to**	**18% No**
Reduce Erosion	**76% Yes**	**24% Plan to**	**0 No**
Composting	**65% Yes**	**27% Plan to**	**8% No**
Worm Bin	**28% Yes**	**16% Plan to**	**56% No**
Restoring Native Plants	**58% Yes**	**42% Plan to**	**0 No**
Removing Invasive Plants	**78% Yes**	**22% Plan to**	**0 No**
Pick up domestic pet waste (scoop the poop, bag and trash)	**88% Yes**	**4% Plan to**	**8% No**
Wash car at car wash or on lawn (rather than street or driveway)	**100% Yes**	**_____ Plan to**	**_____ No**
Rain Garden	**8% Yes**	**34% Plan to**	**58% No**
Capture Rain Water from Roof (Rain barrel or divert to rain garden or other)	**27% Yes**	**38% Plan to**	**35% No**
Permeable pavement or pavers (for driveway, patio areas, etc.)	**40% Yes**	**30% Plan to**	**30% No**
Keep On-Site Septic System Regularly Maintained & Inspected	**40% Yes**	**8% Plan to**	**52% N/A (not applicable)**
Recycle Used Oil, Antifreeze, & Other Fluids	**100% Yes**	**_____ Plan to**	**_____ No**

Any additional practices (other than the practices listed above)? Please explain:

- **Raised beds – increase eating of landscape**
- **Go to Jefferson Elementary School to give class presentation on backyard conservation (grandkids school)**

- **Propagation of natives**

Would you be willing to volunteer your time to assist with habitat projects in our community?

- **90% - yes**
- **10% - no (or at another time – too busy)**

Are you interested in participating on either the Skagit Valley Backyard Wildlife Habitat or Friday Creek Habitat Stewards steering committee or starting a community program in your own neighborhood? If so, please provide contact info.

- **Possible – I have other volunteer positions so schedule can be tough.**
- **Yes, after I get my own yard under control/;**
- **Yes**
- **Possibly, depending on time commitment.**
- **Maybe, thank you so much!**
- **Not at this time.**
- **Project, yes! Committees, no!**

COMMENTS: Is there anything else that you would like to share about your experience in the Backyard Conservation Stewardship Program:

- **I enjoyed the classes very much! Lots of valuable info! Can't wait to put it into practice.**
- **Just so positive – empowering – tells us we can absolutely do something – actually, a lot of things to make a difference in OUR lives and OUR earth. Thank you for providing this opportunity and bringing your caring and considerations to each class! And, the refreshments were fabulous and appreciated!**
- **I found this to be an excellent series of seminars. Well worth attending!**
- **I was very impressed on how well this course was organized. I have to admit that I wasn't expecting much and was pleasantly surprised. All the speakers were excellent and were passionate about their subjects. Perhaps the flier announcing the class could have more details or point to a website with class information. You may have a larger audience by providing additional info. Thanks for such a good course! It was nice to attend the course and leave with a wealth of information on backyard conservation with no cost to the public. Thanks again!**
- **Once I get my own yard I will be making in into a native yard. Thank you for all the tips.**
- **I learned a lot, thank you for offering this class!**
- **It's obvious that a lot of time and effort has gone into this program and we thank you for your hard work.**
- **This was such a well organized, well-run, on-time program, full of information presented in a positive, "can-do" format – for each topic! Kudos!! And, thank you! P.S. Personally I preferred the programs that were field trips of "show and tell" or formal "lectures" with slides followed**

with question time to the programs that were primarily discussions…Thank you to every presenter!

- **Thank you, Kristi – I enjoyed the program very much and learned a lot!**
- **What a wonderful program to offer the community for free – thank you so much. I learned so much and I promise to be a very good steward of not only my backyard but in my community. Kristi, great slide show with music – very nice touch. Thank you so much for all of your efforts. You have been a delight as an MC.**
- **I live on Reed Lake. I have about 1 acre with over half in grass. Before this class, I planned on leaving it all grass. I now plan on taking out 80% of the grass and planting all natives. In addition, I plan on putting in a rain garden. It is one thing to be inspired. It is quite another to be given the tools to bring your inspirations into a reality. Thank you!**
- **We appreciate the dedication of all the people who have contributed to the course. Kristi is a delight!**