



Engineering Phone 360-423-6590
Fax 360-423-6591
Operations Phone 360-423-5730
Fax 360-423-8196

CITY OF KELSO
Public Works Department
203 S. Pacific Ave., Suite 205
PO Box 819
Kelso, WA 98626

March 31, 2009

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

RE: 2009 Annual Report for Phase II NPDES Municipal Permit

Dear Sir/Madam:

The City of Kelso is permitted under the NPDES Western Washington Phase II Municipal Stormwater Permit Number WAR045010. One of the requirements of the permit (Section S9) is to submit by March 31, 2010 the 2009 Annual Report. It includes the City's Stormwater Management Program (SWMP) and a 2008 annexation resolution. Attached are two hard copies of these documents for the 2009 reporting period. An electronic copy of each of these documents was sent out by email today.

If you have any questions please contact me at 360-423-6590. Thank you.

Sincerely,

Van McKay, P.E.
Senior Engineer

Attachments: Annual Report
SWMP
Annexation Resolution

I. Permittee Information

Permittee Name

City of Kelso

Permittee Coverage Number

WAR045010

Contact Name

Van McKay, P.E.

Phone Number

360-423-6590

Mailing Address

P.O. Box 819

City

Kelso

State

WA

Zip + 4

98626-0078

Email Address

vmckay@kelso.gov

II. Regulated Small MS4 Location

Jurisdiction

City of Kelso

Entity Type: Check the box that applies

County

City/Town

Other

X

Major Receiving Water(s)

Cowlitz and Coweeman Rivers

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):

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	<u>Dennis Richards</u>	Title	<u>City Manager</u>	Date	<u>3/30/10</u>
Name	_____	Title	_____	Date	_____
Name	_____	Title	_____	Date	_____
Name	_____	Title	_____	Date	_____
Name	_____	Title	_____	Date	_____

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

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

NOTE: Items that have future compliance dates must still be answered to indicate status.

NOTE: For clarification on how to answer questions, place cursor over cells with red flags.

NOTE: Highlighted items indicate requirements that are due in 2009.

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		A copy of the SWMP can be found online at http://stormwater.kelso.gov	The City of Kelso Phase II Municipal Stormwater Management Program (SWMP) is attached.
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?	N		Kelso 2008 Annual Report errata: A City annexation was not noted. The City annexed a 6.39 acre parcel and a copy of the annexation is attached. Implications for the SWMP have not been noted and are not foreseen.	
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		The City of Kelso is using computer software to track and manage development and implementation of the SWMP.	
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 of Kelso is currently tracking staff time and consultant costs required to develop and implement the SWMP.	

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? <i>(Required to begin by February 15, 2009, S5.C.1)</i>	Y			
6. Distributed appropriate information to target audiences identified in the area served by the MS4? <i>(Required to begin by February 15, 2009, S5.C.1.a)</i>	Y		The City of Kelso hands out the "Solution to Pollution" brochure to citizens and businesses for educational purposes.	
7. Tracked the types of public education and outreach activities implemented. <i>(Required to begin by February 15, 2009, S5.C.1.c)</i>	Y			
7b. Number of activities implemented:		10		
8. Measured the understanding and adoption of the targeted behaviors among at least one targeted audience in at least one subject area. <i>(Required to begin by February 15, 2009, S5.C.1.b)</i>	Y		See the "Stormwater Market Research Report" at http://stormwater.kelso.gov .	
9. Provided opportunities for the public to participate in the decision making processes involving the development, implementation and updates of the Permittee's SWMP? <i>(Required by February 15, 2008, S5.C.2.a)</i>	Y		The City held 8 monthly meetings of the Kelso Stormwater Advisory Committee (KSAC) and these meetings were open to the public.	
10. Developed and implemented a process for public involvement and consideration of public comments on the SWMP? <i>(Required by February 15, 2008, S5.C.2.a)</i>	Y		The City previously established the KSAC; meetings have been implemented with opportunity for public comments on the SWMP.	

Question	Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
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		The SWMP and the annual report can be found on the stormwater webpage within the City's website.	
12b. NOTE website address in <i>Attachment</i> field:				http://stormwater.kelso.gov
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)	NA		The City adopted an illicit discharge ordinance and implementation has begun.	
14. Developed and currently maintain a map of your MS4? (Required by February 16, 2011, S5.C.3.a)	NA			
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		The City has a draft map of the MS4 and has acquired data for most of the system.	
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)	NA			
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)	NA			

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
17. Map shows geographic areas served by the Permittee's MS4 that do not discharge stormwater to surface waters? (<i>Required</i> by February 16, 2011, S5.C.3.a.iii)	NA			
18. Map has been made available upon request? (S5.C.3.a.iv)	N		A request for the map has not been made.	
19. Developed and implemented regulatory actions necessary to effectively prohibit non-stormwater, illicit discharges into the Permittee's MS4? (<i>Required</i> by August 15, 2009, S5.C.3.b)	Y		The City adopted an illicit discharge ordinance on August 18, 2009.	Ordinance No. 09-3713 IDDE (Illicit Discharge) http://stormwater.kelso.gov
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? (<i>Required</i> by August 19, 2011, S5.C.3.c)	NA			
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? (<i>Required</i> by August 19, 2011, S5.C.3.c.i)	NA			

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
22. Implemented field assessment activities, including visual inspection of priority outfalls identified during dry weather, and for the purposes of verifying outfall locations, and identified previously unknown outfalls, and detected illicit discharges? <i>(Required by August 19, 2011, S5.C.3.c.ii)</i>	NA			
23. Prioritized receiving waters for visual inspection? <i>(Required by February 16, 2010, S5.C.3.c.ii)</i>	NA			
24. Conducted field assessments for three high priority water bodies? <i>(Required by February 16, 2011, S5.C.3.c.ii)</i>	NA			
25. Conducted field assessments on at least one high priority water body? <i>(Required annually after February 16, 2011, S5.C.3.c.ii)</i>	NA			
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? <i>(Required by August 19, 2011, S5.C.3.c.iii)</i>	NA			
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? <i>(Required by August 19, 2011, S5.C.3.c.iv)</i>	NA			

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
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.)	NA			
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)	NA			
30. Distributed appropriate information to target audiences identified pursuant to S5.C.1? (Required by August 19, 2011, S5.C.3.d.i)	NA			
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:		6		
31c. Number of follow-up actions taken in response to calls:		6		
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 <i>Comments</i> field	Y		Kelso Hotline: 423-6590. Longview/Kelso Hotline: 578-0900.	

Question	Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
33 Tracked the number of illicit discharges, including spills, identified? (Required by August 19, 2011, S5.C.3.e)	NA		The City has a spreadsheet for tracking illicit discharges.	
33b. Number of illicit discharges identified:		3		
34 Tracked the number of inspections made for illicit connections? (Required by August 19, 2011, S5.C.3.e)	NA			
34b. Number of inspections:		0		
35 Received feedback from IDDE public education efforts? (Required by August 19, 2011, S5.C.3.e)	NA			
36 Attached report on IDDE public education efforts? (Required by August 19, 2011, S5.C.3.d, S5.C.3.e)	NA			
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			
37b. Number of trainings provided:		1		
37c. Number of staff trained:		1		
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)	NA			
38b. Number of trainings provided:		0		
38c. Number of staff trained:		0		

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
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.)	NA			
39b.		0		
39c.		0		
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)	NA		A stormwater management ordinance was drafted in 2009 and the draft was available for viewing during development on the City's stormwater website.	
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)	NA		A stormwater management ordinance was drafted in 2009 and the draft was available for viewing during development on the City's stormwater website.	
42 Applied stormwater runoff program to private and public development, including roads? (Required by February 16, 2010, S5.C.4)	NA		A stormwater management ordinance was drafted in 2009 and the draft was available for viewing during development on the City's stormwater website.	

Question	Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
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)	NA		A stormwater management ordinance was drafted in 2009 and the draft was available for viewing during development on the City's stormwater website.	
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)	NA		A stormwater management ordinance was drafted in 2009 and the draft was available for viewing during development on the City's stormwater website.	
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		Existing local requirements remain in place.	
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)	NA		A stormwater management ordinance was drafted in 2009 and the draft was available for viewing during development on the City's stormwater website.	
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)	NA		A stormwater management ordinance was drafted in 2009 and the draft was available for viewing during development on the City's stormwater website.	

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
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)	NA		A stormwater management ordinance was drafted in 2009 and the draft was available for viewing during development on the City's stormwater website.	
48b.		0		
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)	NA		A stormwater management ordinance was drafted in 2009 and the draft was available for viewing during development on the City's stormwater website.	
49b.	y			
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)	NA		A stormwater management ordinance was drafted in 2009 and the draft was available for viewing during development on the City's stormwater website.	

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)	NA		A stormwater management ordinance was drafted in 2009 and the draft was available for viewing during development on the City's stormwater website.	
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 <i>required</i> by February 16, 2010, S5.C.4.a.v)	NA		A stormwater management ordinance was drafted in 2009 and the draft was available for viewing during development on the City's stormwater website.	

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? <i>(Required by February 16, 2010, S5.C.4.b)</i>	NA			
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? <i>(Required by February 16, 2010, S5.C.4.b)</i>	NA			
55 Reviewed Stormwater Site Plans for new development and redevelopment projects? <i>(Required by February 16, 2010, S5.C.4.b.i)</i>	NA			
55b. Number of site plans reviewed during the reporting period:		0		
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? <i>(Required by February 16, 2010, S5.C.4.b.ii)</i>	NA			
56b. Number of qualifying sites inspected prior to clearing and construction during the reporting period:				

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? (<i>Required</i> by February 16, 2010, S5.C.4.b.iii)	NA			
57b. Number of sites inspected during the construction phase for the reporting period:		0		
58 Enforced as necessary based on the inspection at new development and redevelopment projects? (<i>Required</i> by February 16, 2010, S5.C.4.b.iii)	NA			
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? (<i>Required</i> by February 16, 2010, S5.C.4.b.iv and v)	NA			
59b. Number of qualifying sites known during the reporting period:				
59c. Number of qualifying sites inspected during the reporting period:				
60 Verified a maintenance plan is completed and responsibility for maintenance is assigned for qualifying projects? (<i>Required</i> by February 16, 2010, S5.C.4.b.iv)	NA			

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
61 Enforced regulations as necessary based on the inspection? <i>(Required by February 16, 2010, S5.C.4.b.iv)</i>	NA			
61b. Number of enforcement actions taken during the reporting period:	0			
62 Developed and implemented an enforcement strategy to respond to issues of non-compliance with the regulations for qualifying projects? <i>(Required by February 16, 2010, S5.C.4.b.vi)</i>	NA			
63 Did the Permittee choose to allow construction sites to apply the Erosivity Waiver in Appendix 1, Minimum Requirement #2? <i>(S5.C.4.b.vii)</i>	NA			
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? <i>(Required by February 16, 2010, S5.C.4.c)</i>	NA			
65 Adopted an ordinance or other regulatory mechanism that clearly identifies the party responsible for maintenance, requires inspection of facilities and establishes enforcement procedures? <i>(Required by February 16, 2010, S5.C.4.c.i)</i>	NA			
66 Inspected post-construction stormwater controls, including structural BMPs, at new development and redevelopment projects? <i>(Required by February 16, 2010, S5.C.4.c)</i>	NA			

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)	NA			
68 Performed timely maintenance as per S5.C.4.c.ii? (Required by February 16, 2010, S5.C.4.c.ii)	NA			
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)	NA			
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			

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? <i>(Required by February 16, 2010, S5.C.4.c.iv)</i>	NA			
71b. Number of facilities inspected during the reporting period:		0		
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? <i>(Required by February 16, 2010, S5.C.4.d)</i>	MA			
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? <i>(S5.C.4.e)</i>	Y		Copies of these documents were available on request and are now available in the City Hall lobby.	

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)	NA			
74b. Number of trainings provided:		0		
74c. Number of staff trained:		0		
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)	NA			
76 Adopted maintenance standards as protective, or more protective, of facility function as those specified in Chapter 4 of Volume V of the 2005 <i>Stormwater Management Manual for Western Washington</i> ? (Required by February 16, 2010, S5.C.5.a)	NA			
77 Performed timely maintenance as per S5.C.5.a.ii? (Required by February 16, 2010, S5.C.5.a.ii)	NA			
77b. Attached documentation of any maintenance delays. (Required by February 16, 2010, S5.C.5.a.ii)	NA			

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
78 Designed a program to annually inspect and maintained all stormwater treatment and flow control facilities (other than catch basins)? <i>(Required by February 16, 2010, S5.C.4.c.iii)</i>	NA			
78b. Number of known facilities:		0		
78c. Number of facilities inspected during the reporting period:		0		
79 If using reduced inspection frequency, Attached documentation as per S5.C.5.a.ii? <i>(Required by February 16, 2010, S5.C.5.b)</i>	NA			
80 Conducted spot checks of stormwater facilities after major storms? <i>(Required by February 16, 2010, S5.C.5.c)</i>	NA			
80b. Number of known facilities:		0		
80c. Number of facilities inspected during the reporting period:		0		
81 Inspected municipally owned or operated catch basins at least once before the end of the Permit term? <i>(Required by February 16, 2010, S5.C.5.d)</i>	NA			
81b. Number of known catch basins:		0		
81c. Number of inspections:		0		
81d. Number of catch basins cleaned:		0		

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)	NA			
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)	NA			
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.)	NA			
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)	NA			
86 Is there an approved Total Maximum Daily Load (TMDL) applicable to stormwater discharges from a MS4s owned or operated by the Permittee?	N			
87 Complied with the specific requirements identified in Appendix 2? (S7.A)	NA			
88 Attached status report of TMDL implementation? (S7.A)	NA			
89 Where monitoring was required in Appendix 2, did you conduct the monitoring according to an approved Quality Assurance Project Plan? (S7.A)	NA			
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)	NA			
90b. Attached a summary of the status of implementation of any actions taken pursuant to S4.F and the status of any monitoring, assessment, or evaluation efforts conducted during the reporting period? (S4.F.3.d)	NA			

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			
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)	NA			
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)	NA			
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-structural and LID techniques on a broader scale (Required to be submitted by March 31, 2011, S9.E.4.b)	NA			

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. Stormwater monitoring was not performed in 2009	Van McKay, P.E.
2.	
3.	
4.	
5.	
6.	

VII. Information Collection, BMP Evaluation, and Monitoring

Complete Part B for all annual reports.

B. SWMP Evaluation

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?	NA	
2. Are the BMPs selected and implemented for Public Involvement appropriate to minimize pollutants in the MS4 to the MEP?	NA	
3. Are the BMPs selected and implemented for Illicit Discharge Detection and Elimination appropriate to minimize pollutants in the MS4 to the MEP?	NA	
4. Are the BMPs selected and implemented for Construction Stormwater Pollution Prevention appropriate to minimize pollutants in the MS4 to the MEP?	NA	
5. Are the BMPs selected and implemented for Post-Construction Runoff Management appropriate to minimize pollutants in the MS4 to the MEP?	NA	
6. Are the BMPs selected and implemented for Good Housekeeping for Municipal Operations appropriate to minimize pollutants in the MS4 to the MEP?	NA	

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	NA				
2					
3					
4					
5					
6					
7					

**CITY OF KELSO PHASE II MUNICIPAL STORMWATER MANAGEMENT PROGRAM
(SWMP)**

In compliance with the provisions of
The State of Washington Water Pollution Control Law Chapter 90.48 Revised Code of
Washington
and
The Federal Water Pollution Control Act (The Clean Water Act)
Title 33 United States Code, Section 1251 et seq.

Latest Update: March 31, 2010

PURPOSE

The purpose of this Stormwater Management Program (SWMP) Plan is to document the City of Kelso's efforts as required by the Western Washington Phase II Municipal Stormwater Permit (Permit). The City received coverage under this Permit by submitting a Notice of Intent (NOI) to the Washington Department of Ecology (Ecology) on January 2, 2007.

Table of Contents

EXECUTIVE SUMMARY	2
S5.C1 PUBLIC EDUCATION AND OUTREACH	5
S5.C.1.a Education and Outreach	6
S5.C.1.b Performance Measurement	7
S5.C.1.c Recordkeeping	8
S5.C.2 PUBLIC INVOLVEMENT AND PARTICIPATION	9
S5.C.2.a Public Participation	9
S5.C.2.b Reporting.....	10
S5.C.3 ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)	11
S5.C.3.a Mapping	12
S5.C.3.b Regulatory Mechanism	12
S5.C.3.c Procedures.....	12
S5.C.3.d Public Involvement	13
S5.C.3.e Program Evaluation	13
S5.C.3.f Training.....	13
S5.C.4 CONTROLLING RUNOFF FROM NEW DEVELOPMENT, REDEVELOPMENT, AND CONSTRUCTION SITES	14
S5.C.4.a Regulatory Mechanism	15
S5.C.4.b Permitting.....	15
S5.C.4.c Maintenance Inspection (Private)	15
S5.C.4.d Recordkeeping	16
S5.C.4.e Notice of Intent	16
S5.C.4.f Training.....	16
S5.C.5 POLLUTION PREVENTION AND OPERATION AND MAINTENANCE FOR MUNICIPAL OPERATIONS.....	17
S5.C.5.a Maintenance Standards	18
S5.C.5.b Annual Inspection (Public)	18
S5.C.5.c Spot Checks	18
S5.C.5.d Catch Basin Inspection	18
S5.C.5.e Compliance	18
S5.C.5.f Practices to Reduce Stormwater Impacts.....	18
S5.C.5.g Public Land Maintenance	19
S5.C.5.h Training.....	19
S5.C.5.i Stormwater Pollution Prevention Plans (SWPPP).....	19
S5.C.5.j Recordkeeping	19

EXECUTIVE SUMMARY

In 1987, Congress amended the federal Clean Water Act of 1972 and established water quality goals for surface waters (stormwater) of the United States. The National Pollutant Discharge Elimination System (NPDES) permit program is the mechanism under which these goals are implemented. The Environmental Protection Agency (EPA) administers the NPDES program nationwide and has delegated responsibility to administer the NPDES permit program to most states, including Washington.

The Clean Water Act established a two phase permit program. Phase I regulates larger and medium-sized municipalities and counties, construction site five acres or larger, and major industrial sources. Phase I was issued in 1995 to the cities of Seattle and Tacoma. In 1999, the counties of King, Pierce, Snohomish, and Clark also became regulated entities under the Phase I regulations.

Phase II regulates smaller jurisdictions, construction sites equal to or greater than one acre, and other industrial sources. In 2000, EPA finalized the NPDES Phase II rules regulating “small” municipal separate stormwater sewer systems (a.k.a. MS4s). On January 17, 2007, the Washington Department of Ecology (Ecology) issued a new Phase I and two new Phase II permits, one each for western and eastern Washington. The City of Kelso is now regulated as a MS4 under the western Washington Phase II permit.

These new requirements effectively prohibit non-stormwater discharges and require jurisdictions to apply controls to reduce the discharge of pollutants to the Maximum Extent Practicable (MEP). Ecology is also using the permit to satisfy its own Water Pollution Control Act, RCW 90.48.

Phase II permits affect some 100 cities and 12 counties statewide, plus many other secondary and co-permittees such as diking districts, school districts, colleges, hospitals, and correctional facilities. Cities and counties covered by the permit must implement a Stormwater Management Program (SWMP). Requirements are specific and detailed with numerous compliance deadlines distributed over the five-year permit cycle and are shown in Table 1 below.

The Phase II permit program is structured around the following components:

- Public education and outreach program designed to measurably reduce stormwater pollution;

- Public involvement process to guide the development of the stormwater management program;
- Adoption of ordinances to control runoff from development, redevelopment, and construction activities;
- An illicit discharge detection and elimination (IDDE) program to identify and remove improper discharges into the storm sewer system; and
- An operation and maintenance program that reduces pollutant runoff from municipal operations.

Reporting requirements and detailed record-keeping are included to assess compliance and allow for making changes to improve water quality.

Permit obligations are legally binding and there are consequences for failure to comply with requirements. Ecology's approach to compliance during this first five-year permit cycle is technical assistance. However, the CWA allows third-parties (citizens) to take legal action against jurisdictions failing to comply. Violators may be subject to penalties of up to \$37,500 per day per violation.

The following SWMP Plan provides the public and Ecology with information about how the City of Kelso is implementing the various program requirements of the Phase II permit.

S5.C1 PUBLIC EDUCATION AND OUTREACH

The SWMP shall include an education program aimed at residents, businesses, industries, elected officials, policy makers, planning staff, operations staff, and other employees of the Permittee. The goal of the education program is to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts. An education program may be developed locally or regionally and planned activities for public education and outreach are shown in Table 2 below.

PROGRAM GOALS

The goals of the City of Kelso's Stormwater Public Education Program are:

1. Increase Knowledge - To measurably increase the knowledge of the target audiences regarding the MS4, the impacts of storm water pollution on receiving waters, and potential solutions to mitigate the problems caused;
2. Change Behavior - To measurably change the waste disposal and runoff pollution generation behavior of target audiences by encouraging implementation of appropriate solutions;
3. Reach a Diverse Audience - To involve and engage a diverse audience in Kelso to participate in mitigating the impacts of storm water pollution; and
4. Implement a Public/Business/Employee Education Program That Meets Permit Requirements

Table 2: Public Education and Outreach: Planned Activities

Planned Activity	Due Dates
1 Evaluate existing public education/outreach activities	
2 Identify individual responsible for public education/outreach	
3 Conduct public education workshop	
Identify "gaps" in target audience	
Initiate framework for public education/outreach program	Ongoing with yearly review
Initiate development of measurable goal	
Conduct initial public opinion survey	
Evaluate results of public opinion survey	
4 Draft framework for public education program (including feedback mechanism)	
Prepare a formal education and outreach program document for submittal in the Annual Report	2/15/09
5 Initiate activities program defined in the public education and outreach program	
6 Initiate summary of yearly public education/outreach activities for the Annual Report	Annually

S5.C.1.a Education and Outreach

The City's stormwater program maintains a full time stormwater manager. Through the efforts of this manager, the City has built upon its existing stormwater education by enhancing its website, producing informational mailings of the Ecology stormwater permit (Phase II Municipal permit) requirements to utility customers, and labeling storm drains. City managers and Council members have received technical presentations from Ecology educating them on basic stormwater and water quality protection principles as well as the requirements and importance of the Phase II Municipal permit. The City Council has also received a technical presentation on the proposed illicit discharge detection and elimination and stormwater management ordinances which they later adopted.

The City, in cooperation with local jurisdictions, developed a citizen's guide to clean runoff that addressed public awareness of stormwater pollution. The contents of this brochure, *The Solution to Stormwater Pollution*, were developed around the results from a 2008 telephone survey that is described in section S5.C.1.b below. The brochure was mailed out in 2008 to Kelso citizens and businesses with utility service.

METHOD FOR DETERMINING TARGET AUDIENCE

- Demographic information, such as age, income, and education.
- Economic information, such as types of commercial or development activities.
- Land-use data, pet licenses, population density and home ownership statistics.

TARGET POLLUTANT

- Specific local pollution problems

PRIORITIZED TARGET AUDIENCES & BEHAVIORS

General Public

- General impacts of stormwater flows into surface waters
- Impacts from impervious surfaces
- Source control BMPs and environmental stewardship actions and opportunities in the areas of pet waste, vehicle maintenance landscaping and buffers

General public, businesses (home-based and mobile)

- BMPs for use and storage of automotive chemicals, hazardous cleaning supplies, carwash soaps and other hazardous materials
- Impacts of illicit discharges and how to report them

Homeowners, landscapers and property managers

- Yard care techniques protective of water quality
- BMPs for use and storage of pesticides and fertilizers
- BMPs for carpet cleaning and auto repair and maintenance
- Low Impact Development techniques, including site design, pervious paving, retention of forests and mature trees

- Stormwater pond maintenance
- Car washing

Engineers, contractors, developers, review staff and land use planners

- Technical standards for stormwater site and erosion control plans
- Low Impact Development techniques, including site design, pervious paving, retention of forests and mature trees
- Stormwater treatment and flow control BMPs

Methods to distribute information:

- Direct mailers
- Inserts in utility bills
- Presentations
- Classes
- Kids
- Radio ads
- TV -public service announcement
- Print-newspapers, yard signs

S5.C.1.b Performance Measurement

PERFORMANCE MEASUREMENT

- Methods of measuring behavior change
 - Perform initial survey of public behaviors to determine baseline
 - Conduct public education activities
 - Perform another survey of public behaviors
 - Compare results to initial survey to determine behavior change

A telephone survey was conducted in 2008 to measure the knowledge and practices regarding stormwater and pollution. Both the public and businesses were targeted. This baseline survey was a multi-agency endeavor, with Cowlitz County, the Cities of Kelso and Longview, and the Consolidated Diking Improvement District #1 all participating. A consulting firm was hired to develop and perform the telephone survey. A total of 390 surveys were completed with the adult public and 386 surveys were completed with businesses.

This survey has provided the baseline of general stormwater knowledge from which to improve. The City is using this baseline to help develop their education and outreach program. A second survey is planned for 2011 to assess improvements.

S5.C.1.c Recordkeeping

The City tracks and maintains records of public education and outreach activities in accordance with this permit. Information about many of these activities are also posted on the City's website.

S5.C.2 PUBLIC INVOLVEMENT AND PARTICIPATION

The SWMP shall include ongoing opportunities for public involvement through advisory councils, watershed committees, participation in developing rate structures, stewardship programs, environmental activities, or other similar activities. Each Permittee shall comply with applicable state and local public notice requirements when developing their SWMP. Planned activities for public involvement and participation are shown in Table 3 below.

Table 3: Public Involvement and Participation: Planned Activities

Planned Activity	Due Dates
1 Evaluate existing public involvement/participation activities	Ongoing
2 Identify individual responsible for public involvement/participation	-
3 Develop ongoing public involvement/participation strategy	Ongoing
Create opportunities for public involvement	
Post the Annual Report and SWMP document on the City website	Annually on 3/31
Identify public involvement venues	Ongoing
4 Reporting	
Initiate summary of public involvement/participation activities for the Annual Report	
Identify Annual Report attachments if needed	
5 Plan public involvement/participation activities and responsibilities	Annually on or before 3/31
Initiate SWMP document update if necessary	
Post the SWMP related documents on the City's website along with an email address for public involvement	
Initiate planning of future public involvement/participation activities	

S5.C.2.a Public Participation

The Kelso Stormwater Advisory Committee (KSAC) was formed in 2008 as an avenue for public participation and input. The KSAC meets on many months of the year and has 7 appointed members who represent different interests related to stormwater in the City. The members represent the environment, recreation, industrial permit holder, student, citizen, developer, and technical advisor. The KSAC has worked on the various requirements of this permit, including the IDDE Ordinance and the Stormwater Management Ordinance. People with interest in the City's stormwater issues are welcome to participate as a KSAC member when positions become available, can talk with current KSAC members, or can attend KSAC meetings.

People can also participate through involvement with the City's Planning Commission, City Council, or the region's Watershed Committee (Grays-Elochoman & Cowlitz Watershed Planning Unit – WRIA 25/26).

S5.C.2.b Reporting

Kelso maintains a website that includes posting of various stormwater documents, including those required by this permit. This website can be found at <http://stormwater.kelso.gov>.

S5.C.3 ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

The SWMP shall include an ongoing program to detect and remove illicit connections, discharges as defined in 40 CFR 122.26(b)(2), and improper disposal, including any spills not under the purview of another responding authority, into the municipal separate storm sewers owned or operated by the Permittee. Permittees shall fully implement an ongoing illicit discharge detection and elimination program no later than 180 days prior to the expiration of the Permit. Planned activities for illicit discharge detection and elimination are shown in Table 4 below.

Table 4: Illicit Discharge Detection and Elimination Plan: Planned Activities

Planned Activity	Due Dates
1 Evaluate existing illicit discharge detection and elimination program	Ongoing with annual review
2 Develop Illicit Discharge Detection and Elimination Program	
Develop and implement screening procedures	
Review and update illicit discharge response/source control procedures if necessary	
Review and update tracking/documentation procedures if necessary	8/19/2011
Review and supplement public education/outreach efforts if necessary (coordinate with the City's public education and outreach program)	
Develop inspection plan and enforcement team	
3 Update storm sewer system map	
Define conveyance system and outfalls	
Define drainage areas and catchments	8/15/2011
Map structural BMPs	
Document permit-required attributes	
Develop procedures for additions and updates	
4 Update ordinances	
Determine inspection and enforcement procedures	8/15/2009
Update City Municipal Code to address illicit discharges if needed	
5 Evaluate and update current hotline procedures if necessary	2/15/2009
6 Develop training program	
Review current training with respect to illicit discharges	8/15/2009
Identify additional training if necessary	
Draft framework for training program	
7 Reporting	
Initiate summary of prior year's IDDE activities for each Annual Report	
Identify Annual Report attachments if needed	
8 Plan future year's IDDE activities and responsibilities	Annually 3/31
Initiate SWMP document update if necessary	
Initiate planning of next year's IDDE activities	

S5.C.3.a Mapping

The City began locating all storm drains via Global Positioning Unit (GPS) in 2008. This data is being developed to map these storm drain locations. The City is approximately 75% complete with this effort. The overall goal is to develop a municipal storm sewer system map. This map will provide locations of all catch basins, manholes, pipelines as well as known municipal separate storm sewer outfalls and receiving waters and structural BMPs owned, operated, or maintained by the City. This map will be updated as additional information becomes available or new additions or deletions made to the existing infrastructure. A draft map is available on the City's website at <http://stormwater.kelso.gov>. The storm sewer map is being developed together with a Stormwater Master Plan for the City.

S5.C.3.b Regulatory Mechanism

The City developed their Illicit Discharge, Detection, and Elimination Stormwater Ordinance with input from City departments, the KSAC, the City of Longview stormwater advisory committee (LSAC) and consultants. It was formally adopted by the City Council in August 2009.

S5.C.3.c Procedures

The City of Kelso's Public Works Department implements the City's IDDE program. The program goal is to provide for the health, safety, and general welfare of the citizens of the City through the regulation of non-stormwater discharges to the storm drainage system. The objectives of this program, per the IDDE Ordinance, are:

1. To regulate the contribution of pollutants to the stormwater drainage system by stormwater discharges by any user;
2. To prohibit illicit connections and discharges to the municipal separate storm sewer system; and
3. To establish legal authority to carry out all inspection, surveillance, and monitoring procedures necessary to ensure compliance with the Ordinance.

The specific procedures for IDDE program implementation are described in the Ordinance. Such procedures cover discharge prohibitions, suspension of stormwater drainage system access, industrial or construction activity discharges, inspection and sampling, use of best management practices, protection of water bodies, notification of spills, and enforcement.

The City is planning to build upon current IDDE activities to create a more identifiable program that includes:

- Procedures for locating priority areas likely to have illicit discharges;
- Procedures for tracing the source of an illicit discharge;

- Procedures for removing the source of the illicit discharge;
- Training for City staff on IDDE awareness; and
- Further public education of IDDE awareness.

S5.C.3.d Public Involvement

Public involvement opportunities to comment on the development of this ordinance were made available. Three public meetings were conducted as part of the City's normal ordinance adoption process. During this time period, the public was offered the opportunity to review and comment on the ordinance.

The City developed a stormwater hotline for people to call to report unlawful discharges into stormwater. The Kelso stormwater hotline phone number is 423-6590 during normal business hours. Kelso's after-hours Operations phone number for street and utility issues including illicit discharges is 423-5730. A 24-hour Longview/Kelso stormwater hotline is also available at 578-0900. Additionally, two forms are posted on the City's website for public input. The forms include a stormwater incident report for citizens to report spills and illicit discharges as well as a "citizen concern form" for people to provide many types of concerns to the Public Works Department.

S5.C.3.e Program Evaluation

As the IDDE program progresses through creation and maturity, the City will be evaluating its effectiveness on an on-going basis. The annual review and reporting requirements per the Permit ensure that these efforts are compiled and summarized at least annually.

S5.C.3.f Training

The City has developed and implemented a formal training program for its staff related to the IDDE requirements.

S5.C.4 CONTROLLING RUNOFF FROM NEW DEVELOPMENT, REDEVELOPMENT, AND CONSTRUCTION SITES

Each Permittee shall develop, implement, and enforce a program to reduce pollutants in stormwater runoff to a regulated small MS4 from new development, redevelopment, and construction site activities. This program shall be applied to all sites that disturb a land area one acre or greater, including projects less than one acre that are part of a larger common plan of the development or sale. The program shall apply to private and public development, including roads. Planned activities for controlling runoff is shown in Table 5 below.

Table 5: Controlling Runoff from New Development, Redevelopment, and Construction Sites: Planned Activities

Planned Activity	Due Dates
1 Evaluate existing runoff control program	Annually
2 Review and update KMC to address permit requirement, if necessary Required thresholds and minimum requirements Site planning and BMP selection criteria that protect water quality, meet MEP, and satisfy AKART Legal authority to inspect new facilities Provisions for LID (or equivalent) Application of erosivity waiver	8/15/2009
3 Plan review, inspection, and enforcement Review and update plan review if necessary Develop inspection procedure plan Identify staff inspection team Update enforcement strategy if necessary Identify enforcement team Update KMC if necessary Develop mechanisms to track plan review, inspection, and enforcement actions Document NOIs for construction and industrial activities	8/15/2009
4 Operation and maintenance Update process for accepting new facilities or inspecting private facilities (keep private or go public) Document new stormwater systems for inspection, operation, and maintenance Update KMC to include long-term operation and maintenance requirements for phased construction Review BMP inspection frequency	8/15/2009
5 Staff trained in plan review, inspections, and enforcement related to stormwater Define training needs (who and what)	8/15/2009

Table 5: Controlling Runoff from New Development, Redevelopment, and Construction Sites: Planned Activities

Planned Activity	Due Dates
<ul style="list-style-type: none"> Identify supplemental training needs Develop training schedule Track training and summarize for Annual Report 	
6 Reporting	
<ul style="list-style-type: none"> Initiate summary of plan review, inspection, and enforcement activities for Annual Report Identify Annual Report attachments, if any 	Annually
7 Plan next year's runoff control activities and responsibilities	
<ul style="list-style-type: none"> Initiate SWMP document update if necessary for Annual Report Initiate planning of future runoff control activities 	Annually

S5.C.4.a Regulatory Mechanism

The City drafted a Stormwater Management Ordinance with the help of City staff, consultants, KSAC, LSAC and was approved for adoption through the KSAC. The City formally adopted this ordinance in March 2010.

In conjunction with the development of this ordinance, the City revised applicable portions of the Kelso Engineering Design Manual (KEDM). This process ensured consistency between the ordinance and the KEDM. Additionally, the ordinance refers to KEDM in relation to specific technical issues easy user reference. The KEDM was also developed in conjunction with the City of Longview's Stormwater Management Manual to create consistent development guidelines in the region. The KEDM revisions were adopted by ordinance concurrently with the Stormwater Management Ordinance.

S5.C.4.b Permitting

The City's permitting process includes plan review, inspection, and enforcement capabilities and is implemented through the Public Works and Planning Departments. Permitting requirements were updated through the Stormwater Management Ordinance and KEDM.

S5.C.4.c Maintenance Inspection (Private)

The Stormwater Management Ordinance allows the City to make inspections on private stormwater facilities. The City is in the process of training its staff related to protection of stormwater quality at privately-owned properties. This includes proper operations and maintenance measures.

S5.C.4.d Recordkeeping

The City maintains inspection and enforcement records on permitted activities within the City boundaries. These records are located within both the Public Works and Planning Departments.

S5.C.4.e Notice of Intent

The “Notice of Intent for Construction Activities” and “Notice of Intent for Industrial Activities” are available at City Hall. The address for City Hall is 203 S. Pacific Avenue, Kelso, WA 98626.

S5.C.4.f Training

Currently, two staff members responsible for inspecting stormwater systems and issues have been formally trained and certified as Certified Erosion Sedimentation Control Leads (CESCL).

S5.C.5 POLLUTION PREVENTION AND OPERATION AND MAINTENANCE FOR MUNICIPAL OPERATIONS

Within three years of the effective date of the Permit, each Permittee shall develop and implement an operations and maintenance (O&M) program that includes a training component and has the ultimate goal of preventing or reducing polluted stormwater runoff from municipal operations. Planned activities for pollution prevention and the operation and maintenance program are listed in Table 6 below.

Table 6: Pollution Prevention and Operation and Maintenance Program: Planned Activities

Planned Activity	Due Dates
1 Evaluate existing pollution prevention and operation and maintenance program	Ongoing with annual review
2 Update inspection and maintenance program	
Define and quantify system for maintenance (e.g. type and size)	Ongoing
Catch basins	All inspected by 8/15/2011 on a 5-year schedule thereafter
Stormwater treatment and flow control facilities	All inspected by 2/15/2012 on a 1-year schedule thereafter
Streets, roads, and highways	
Parks, open spaces, right-of-way	
Determine system maintenance for water quality	
Evaluate frequency of inspections	Ongoing, due 2/15/2010
Develop resource needs assessment for maintenance	
Fund and staff maintenance plan (not a SWMP requirement)	
Develop tracking mechanisms for inspections, maintenance, and repairs	
3 Training of operation and maintenance staff	
Identify operation and maintenance training needs (who and what)	
Update current training if necessary	2/15/2010
Develop ongoing training program	
Document training	
4 Reporting	
Initiate summary of the Pollution Prevention and Operation and Maintenance activities for the Annual Report	
Identify Annual Report attachments, if any	Annually
5 Plan the Pollution prevention and O&M activities and responsibilities	
Initiate SWMP document update if necessary	
Initiate planning of 2009 Pollution Prevention and O&M activities	

S5.C.5.a Maintenance Standards

The City has an O&M program with the ultimate goal of minimizing pollutant runoff from municipal operations. The program includes street and gutter sweeping, pipe and culvert cleaning, ditch maintenance, catch basin cleaning, snow and ice control, road repair, vegetation management and emergency stormwater system repairs. Stormwater facilities will be inspected annually. Catch basins and inlets will be inspected at least once every five years. Those requiring maintenance will be maintained within six months of the inspection. The City intends to inspect and clean as necessary all its catch basins prior to the permit expiration on February 15, 2012.

S5.C.5.b Annual Inspection (Public)

Stormwater facilities other than catch basins will be inspected and maintained, if necessary, on an annual basis. Stormwater facilities identified for inspection include:

- Stormwater pond at west end of Allen Street Bridge
- CDS continuous deflective separation unit on North Pacific Avenue
- Stormceptor unit at Oak and 3rd Ave. parking lot
- Stormwater pond at the airport

S5.C.5.c Spot Checks

Spot checks of City stormwater facilities for water quality and quantity will be performed after rain storms larger than the 24-hour, 10-year storm event including documentation of the inspections.

S5.C.5.d Catch Basin Inspection

As part of the stormwater system mapping, the City has been cleaning some catch basins in order to make measurements. All catch basins and inlets will be inspected by August 15, 2011.

S5.C.5.e Compliance

The City intends to comply with inspection requirements described above. The City will review and update all procedures and practices to assure permit compliance and make adjustments as needed.

S5.C.5.f Practices to Reduce Stormwater Impacts

The City plans to implement and refine practices and procedures to reduce stormwater impacts associated with runoff from streets, parking lots, roads and highways owned or maintained by

the City, as well as road maintenance activities conducted by the City. Activities that will be addressed include: pipe & culvert cleaning, ditch maintenance, street cleaning, road repair and resurfacing, snow and ice control, utility installation, pavement striping, maintaining roadside areas and vegetation, and dust control.

S5.C.5.g Public Land Maintenance

The City is committed to implementing policies and procedures regarding the maintenance of all public lands owned or maintained by the City. These lands include parks, open space, road right-of-way, maintenance yards and stormwater treatment and flow control facilities. Policies and procedures addressed include: application of fertilizers, pesticides and herbicides, sediment and erosion control, landscape maintenance, vegetation disposal, and cleaning and maintenance of building exteriors.

S5.C.5.h Training

The City developed a training program for its field staff in pollution prevention of its municipal operations and maintenance programs. This training program component was implemented by the Permit deadline of February 15, 2010. Further training of staff will occur when modifications to procedures and policy have been implemented.

S5.C.5.i Stormwater Pollution Prevention Plans (SWPPP)

A stormwater pollution prevention plan was drafted for the Operations maintenance facility. Operations staff have been trained on the SWPPP. The City plans to inspect, implement and maintain BMPs outlined in the SWPPP. Training will occur when the SWPPP is updated due to a change in design, construction, operation, or maintenance which cause(s) the SWPPP to be less effective in controlling the pollutants. The SWPPP can be found within the City's stormwater website at <http://stormwater.kelso.gov>.

S5.C.5.j Recordkeeping

The City will maintain records of inspections and maintenance or repair activities in accordance with the S9 Reporting Requirements of the Permit.

RESOLUTION NO. 08-967

A RESOLUTION declaring the City of Kelso's intent to annex certain property described in exhibit "A" attached hereto, providing for the Land Use designation and zoning of said property as more particularly set forth herein and directing staff to prepare and submit a Notice of Intention to the Washington State Boundary Review Board for Cowlitz County for boundary change action in accordance with Chapter 36.93 of the Revised Code of Washington.

WHEREAS, on November 6, 2007, Tim Sparks submitted a petition with the City of Kelso pursuant to and in compliance with RCW 35A.14.120 for the annexation of a 6.39-acre property, Parcel #63276, lying contiguous to said City; and

WHEREAS, on December 18, 2007 the Kelso City Council acted to authorize processing of this annexation to create logical boundaries; and

WHEREAS, the Kelso Planning Commission held a duly advertised public hearing on February 4, 2008, on the question of what land use and zoning classification should be given to said property if it were annexed to the City, and advised the City Council of its recommendation for land use and zoning classification for said property, and

WHEREAS, following such hearing, the Kelso City Council determined that the best interests of the City would be served if the said property, more particularly described in Exhibit A, attached hereto and incorporated herein, were annexed to the City.

WHEREAS, the City has complied with all procedural requirements set forth in RCW 35A.14 and RCW 36.93,

NOW, THEREFORE, BE IT RESOLVED that it is the intent of the City Council to set the land use designation for the said property as High Density Residential and zoning designation as Multi-family Residential (RMF) classification. Said final action is to be taken by ordinance of the City of Kelso to be adopted upon the conclusion of the Boundary Review Board process above described.

BE IT FURTHER RESOLVED that City staff is hereby directed to prepare and submit a proper notice of intention of said action to the Washington State Boundary Review Board of Cowlitz County for boundary change action.

BE IT FINALLY RESOLVED that upon approval of said Board or loss of jurisdiction by the passage of time, the City Attorney is directed to prepare an ordinance for Council adoption actually annexing said property to the City of Kelso, Washington.

ADOPTED by the City Council and **SIGNED** by the Mayor this 4th day of March, 2008.

CITY OF KELSO



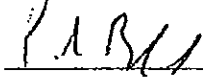
David Futcher, Mayor

ATTEST:



Brian Butterfield, City Clerk

APPROVED AS TO FORM:



Paul Brachvogel, City Attorney

LEGAL DESCRIPTION FOR PARCEL 63276

A parcel of land located in the Victor Wallace Land Claim in Section 35, Township 8, North, Range 2 West of the W.M. described as follows:

Beginning at the intersection of C.D.I.D. #2, Easterly boundary with the West Boundary of Interstate #5, thence North 22° 42' 10" West 21.98 feet along West boundary of Interstate 5; thence continuing North 03°51'44" East to intersection with Southwesterly boundary of Grade Street, thence along Grade Street North 37°52'42" West 212.61 feet, thence North 44°37'53" West 222.72 feet, thence North 29°07'42" West 401.12 feet, thence North 56°23'52" East 31.22 feet, thence North 33°13'30" West 114.38 feet to the intersection of the Southwesterly right-of-way with the center line of the old channel of the Coweman River, thence following South 07°00'00" West 279.68 feet, thence South 42°00' West 162.66 feet, thence on a curve to the left with a central angle of 96°00', a radius of 190 feet an arc distance of 318.35 feet, thence South 54°00' East 159.56 feet, thence on a curve to right with a central angle of 38°00' a radius 145 feet an arc distance of 96.17 feet, thence South 16°00' West 59.5 feet intersecting C.D.I.D. #2 Easterly boundary, thence on a curve to the left with a back tangent bearing South 59°09'35" West, with a central angle of 15°55'48", a radius 464.48 feet an arc distance of 129.14 feet, South 75°05'23" East 195.6 feet, thence on a curve to the right with a central angle of 10°54'06", a radius of 662.96 feet, an arc distance of 126.14 feet to the intersection with Westerly right-of-way of Interstate 5, thence following said Westerly right-of-way North 22°42'10" West 21.98 feet, thence North 03°51'44" East 243.36 feet to the point of beginning.

EXHIBIT A