



King County

Water and Land Resources Division

Department of Natural Resources and Parks

King Street Center

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Seattle, WA 98104-3855

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TTY Relay: 711

March 31, 2010

Rachel McCrea
Municipal Stormwater Specialist
Washington State Department of Ecology
Water Quality Program
Municipal Stormwater Permits
PO Box 47696
Olympia, WA 98504-7696

RE: Annual Report for NPDES Permit WAR04-4501

Dear Ms. McCrea:

With this letter, I am transmitting to you King County's first annual report under the 2007 Phase I Municipal Stormwater Permit modified June 17, 2009. The transmittal package includes two copies each of the following documents:

- The completed annual report form
- The signed G19 certification sheet
- Annual report attachments
- The Stormwater Management Program for 2010

On behalf of the staff here at King County who have worked with you, and for me as well, I wish to thank you very much for your efforts, knowledge, guidance, availability, kindness, humor, and patience that you have brought to your role as our permit manager. We look forward to our continued collaboration.

Please do not hesitate to call me at 206-296-8311 to discuss this report and the appended materials.

Sincerely,

Douglas D. Navetski
Supervising Engineer
Water Quality Compliance Unit
Stormwater Services Section

DN:GP:bgD170

Enclosures

cc: Curt Crawford, Manager, Stormwater Services Section, Water and Land Resources
Division (WLRD), Department of Natural Resources and Parks (DNRP)
Giles Pettifor, NPDES Municipal Stormwater Permit Assistant Coordinator, WLRD, DNRP

I. Permittee Information	
Permittee Name King County	Permittee Coverage Number WAR04-051
Contact Name Curt Crawford	Phone Number 206-296-8329
Mailing Address WLRD, DNRP, KSC-NR-0600 201 S. Jackson St, Suite 600	
City Seattle	State Zip + 4 WA 98104-3855
Email Address curt.crawford@kingcounty.gov	

II. Regulated Medium or Large MS4 Location		
Jurisdiction King County	Entity Type: Check the box that applies	
	County	City/Town
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Major Receiving Water(s) Puget Sound, Green/Duwamish, Cedar, White Rivers, Lakes Washington & Sammamish	Other	
	<input type="checkbox"/>	

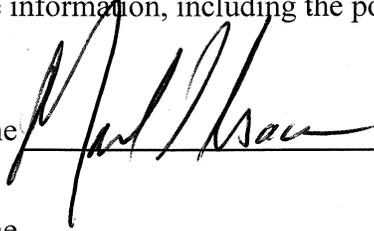
III. Relying on another Governmental Entity	
<p>If you are relying on another governmental entity to satisfy one or more of the permit obligations, list the entity and briefly describe the permit obligation(s) they are implementing on your behalf below. <i>Attach a copy of your agreement with the other entity to provide additional detail.</i></p>	
Name of Entity:	Permit Obligation(s):

REMINDER: Save this Excel worksheet under a new name. Did you

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		Title	<u>Director, WRPD</u>	Date	<u>3.25.10</u>
Name	_____	Title	_____	Date	_____
Name	_____	Title	_____	Date	_____
Name	_____	Title	_____	Date	_____
Name	_____	Title	_____	Date	_____

V. Submittal-- Submit by March 31

If using this Excel version of the annual report form, email one electronic copy, including all identified attachments, to **PH1_AnnRpt@ecy.wa.gov** AND submit two printed, signed copies of the entire annual report PLUS attachments to:

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

REMINDER: Proceed to the ANNUAL REPORT (Section VI) tab next.

PLEASE label any information in attachments with corresponding question numbers.
 NOTE: Items that have future compliance dates must still be answered to indicate status.
 PLEASE indicate reporting year and your jurisdiction in Line 1, above.
 PLEASE refer to the INSTRUCTIONS tab for assistance filling out this table.
 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 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.8.	Y			Attachment Section VII
S4. Compliance with Standards				
2 Attached (as part of the Program Evaluation and Other Activities narrative in Section VII.B) a summary of the status of implementation of any actions taken pursuant to S4.F and the status of any monitoring, assessments or evaluation efforts conducted during the reporting period (S4.F.3.d)	Y			Attachment Section VII
S5 Stormwater Management Program				
S5.C.1 Legal Authority				
3 Operated pursuant to legal authority as required under S5.C.1.	Y			
S5.C.2 MS4 Mapping and Documentation				
4 The location of all known municipal separate storm sewer outfalls, receiving waters and structural stormwater BMPs you own, operate, or maintain are mapped. (Required by February 15, 2009, S5.C.2.b.i)	Y			

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
5 A program is in place to map the location of all known connection points between municipal separate storm sewers you own or operate and other municipalities or other public entities. (Required by February 15, 2009, S5.C.2.b.i)	Y			
6 <u>Cities:</u> All storm sewer outfalls with a 24 inch nominal diameter or larger, or an equivalent cross-sectional area for non-pipe systems, and including tributary conveyances (type, material and size where known), associated drainage areas and land use throughout the city, are mapped. (Required by February 15, 2011, S5.C.2.b.ii) <u>Counties:</u> All storm sewer outfalls with a 24 inch nominal diameter or larger, or an equivalent cross-sectional area for non-pipe systems, and including tributary conveyances (type, material and size where known), associated drainage areas and land use in urban/higher density rural sub-basins, are mapped. (Required by February 15, 2011, S5.C.2.b.ii)	NA		This program will be in place to meet the February 2011 deadline.	
7 A program is in place to maintain a map of all connections to the MS4 that have been authorized or allowed after the effective date of the permit. (S5.C.2.b.iii)	Y		This program is in place. For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
8	<p><u>Cities:</u> All existing, known connections over 8 inches to municipal separate storm sewers tributary to all storm sewer outfalls with a 24 inch nominal diameter or larger, or an equivalent cross-sectional area for non-pipe systems, are mapped. (<i>Required</i> by February 15, 2009, S5.C.2.b.iv)</p> <p><u>Counties:</u> All existing, known connections over 8 inches to municipal separate storm sewers tributary to all storm sewer outfalls with a 24 inch nominal diameter or larger, or an equivalent cross-sectional area for non-pipe systems, located in one-half the area of the County within urban/higher density rural sub-basins are mapped. (Required by February 15, 2011, S5.C.2.b.iv)</p>	NA		This program will be in place to meet the February 2011 deadline.	
9	Geographic areas served by the MS4 that do not discharge stormwater to surface waters are mapped. (<i>Required</i> by February 15, 2011, S5.C.2.b.v)	NA		This program will be in place to meet the February 2011 deadline.	
10	Municipal storm sewer system GIS data layers that you have updated are listed in <i>Comments</i> field. (S5.C.2.b.vi)	Y		GIS effort has included work on a master drainage layer which includes features such as: pipes, outfalls, ditches and catch basin	
11	Mapping information has been made available to Ecology, Co-Permittees and Secondary Permittees upon request to the extent appropriate. (S5.C.2.b.vi and vii)	Y		Available upon request.	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
S5.C.3 Coordination					
12	Established and are implementing written internal coordination agreement(s) or directives to facilitate compliance with the permit. <i>(Required by February 15, 2008, S5.C.3.b.i)</i>	Y			
13	Established coordination mechanisms clarifying roles and responsibilities for control of pollutants between any other municipal stormwater Permittee's physically interconnected municipal storm sewers. <i>(Required by February 15, 2009 or within 2 years following the addition of a new Secondary Permittee, S5.C.3.b.ii)</i>	Y		This program is in place. For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
14	Established coordination activities for shared waterbodies among Permittees including Secondary Permittees. <i>(Required by February 15, 2009, S5.C.3.b.ii)</i>	Y		This program is in place. For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
S5.C.4 Public Involvement and Participation Program					
15	Implemented a process to create opportunities for the public to participate in processes for development, implementation and updates of the SWMP, including consideration of public comments on the SWMP. <i>(Required by August 15, 2007, S5.C.4.b.i)</i>	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
16	Made the SWMP and all submittals required by the permit available to the public on the Permittee's website listed below, or provided all submittals to Ecology in electronic format for posting on Ecology's website. <i>(Required by March 31, 2008, S5.C.4.b.ii)</i> List Permittee's website address in <i>Comments</i> field.	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
	S5.C.5 Controlling Runoff from New Development, Redevelopment and Construction Sites				
17	Submitted draft enforceable requirements, technical standards and manual, that address requirements to prevent and control runoff from new development, redevelopment and construction site activities in S5.C.5.b.i through S5.C.5.b.iii, to Ecology for review and approval on the date provided in <i>Comments</i> field. (Required by February 15, 2008, S5.C.5.b.iv)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
18	Adopted the final enforceable requirements, technical standards and manual to prevent and control runoff from new development, redevelopment and construction site activities on the date provided in <i>Comments</i> field. (Required by August 15, 2008, or 60 days following Ecology's written response)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
19	Were exceptions or variances to the minimum requirements in Appendix 1 granted? (Required by August 15, 2008, S5.C.5.b.ii, and Section 6 of Appendix 1)	N			
19a	Number of variances granted:		0		
20	To the extent allowable under state and federal law, established legal authority to inspect private stormwater facilities and enforce maintenance standards for all new development and redevelopment approved under the provisions of S5.C.5.b. (Required by August 15, 2008, S5.C.5.b.v)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	

Question		Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
21	Developed and implemented a process of permits, plan review, inspections, and enforcement capability to meet the requirements of S5.C.5.b.vi, including maintenance plans for permanent stormwater facilities/BMPs, recordkeeping and an enforcement strategy. (Required to begin by August 15, 2008, S5.C.5.b.vi)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
22	Reviewed stormwater site plans submitted for proposed development involving land disturbing activities that meet the thresholds in S5.C.5.b.i. (Required beginning August 15, 2008, S5.C.5.b.vi)	Y		Permits were counted as submitted site plans if the permit was vested to 1/9/09 and submitted to engineering for drainage review. Permits were counted as reviewed site plans if the engineering drainage review function was completed in the reporting year. Residential permits that were within the 5-year RCW vesting limit were NOT counted as new site plans submitted.	
22a	Number of site plans submitted:		177		
22b	Number of site plans reviewed:		141		
23	Inspected, prior to clearing and construction, permitted development sites that meet the thresholds in S5.C.5.b.i and that have a high potential for sediment transport as determined through plan review based on definitions and requirements in Appendix 7 <i>Identifying Construction Site Sediment Transport Potential</i> . (Required to begin by August 15, 2008, S5.C.5.b.vi)	Y		All permits routed to drainage review are field checked. Assume all permits routed to drainage review had a high potential for sediment transport and were sensitive sites as defined by the 2009 SWDM appendix D.4.1. Permits that completed a field check in the reporting year were counted as the number of sites inspected.	
23a	Number of sites determined to have high sediment transport potential:		101		
23b	Number of sites inspected:		23		
24	Inspected construction-phase stormwater controls at permitted development sites that meet the thresholds in S5.C.5.b.i during construction to verify proper installation and maintenance of required erosion and sediment controls. (Required to begin by August 15, 2008, S5.C.5.b.vi)	Y		Any time a DDES inspector visits a site it is assumed that erosion control will be inspected. The Time Reporting System (TRS) tracks both "office" tasks and "field" tasks. All "field" tasks charged to a permit will be interpreted as meeting the requirements of this question.	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
24a	Number of qualifying permitted development sites:		108		
24b	Number of sites inspected:		103		
25	Enforced as necessary based on the construction-phase inspection at new development and redevelopment projects. <i>(Required to begin by August 15, 2008, S5.C.5.b.vi)</i> List nature of enforcement actions in <i>Comments</i> field.	Y		KC DDES has a progressive enforcement program including technical assistance, notification letters and stop work orders, these do not qualify as enforcement under KCC Title 23 (Code Compliance).	
25a	Number of enforcement actions taken:		0	see above	
26	Inspected permitted development sites that meet the thresholds in S5.C.5.b.i upon completion of construction and prior to final approval or occupancy to verify proper installation of permanent erosion controls and stormwater facilities / BMPs. <i>(Required to begin by August 15, 2008, S5.C.5.b.vi)</i>	Y		All permits routed to drainage review are inspected for permanent erosion control as part of the normal final inspection process. Final approval or occupancy indicates that installation of permanent erosion controls and stormwater facilities / BMPs is satisfactory.	
26a	Number of qualifying permitted development sites that completed construction:		55		
26b	Number of sites inspected:		55		
27	Verified that a maintenance plan for sites that meet the thresholds in S5.C.5.b.i is completed and responsibility for maintenance is assigned. <i>(Required to begin by August 15, 2008, S5.C.5.b.vi)</i>	Y		The maintenance plan is reviewed by DDES and maintenance responsibility is assigned.	
28	Enforced as necessary based on the post-construction inspection. <i>(Required to begin by August 15, 2008, S5.C.5.b.vi)</i> List the nature of enforcement actions in the <i>Comments</i> field.	Y		A performance bond is required for drainage system construction. DDES inspects the constructed drainage system. If the system is not constructed per plan, KC can use the bond to complete or correct the defects.	
28a	Number of enforcement actions taken:		0	See Question 25	

Question		Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
29	Developed and implemented an enforcement strategy to respond to issues of non-compliance. (<i>Required</i> to begin by August 15, 2008, S5.C.5.b.vi)	Y		Compliance is handled through the performance bond requirement. For projects that are not in compliance, DDES can pursue bond forfeiture.	
30	Developed and implemented a recordkeeping process for inspections and enforcement actions by staff, including inspection reports, warning letters, notices of violations, other enforcement records, maintenance inspections and maintenance activities. (<i>Required</i> by August 15, 2008, S5.C.5.b.vi)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
31	Made Ecology's <i>Notice of Intent for Construction Activity</i> and <i>Notice of Intent for Industrial Activity</i> available to representatives of proposed new development and redevelopment. (S5.C.5.b.vii)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
32	All staff whose primary job duties are implementing the program to control stormwater runoff from new development, redevelopment, and construction sites, including permitting, plan review, construction site inspections, and enforcement, are trained to conduct these activities. (<i>Required</i> by August 15, 2008, S5.C.5.b.viii)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
S5.C.6 Structural Stormwater Controls					
33	The SWMP includes a Structural Stormwater Control Program to construct stormwater controls to prevent or reduce impacts (hydrology and pollutants) to waters of the state caused by discharges from the MS4 where impacts are not adequately controlled by other SWMP components. <i>(Required by February 15, 2008, S5.C.6.b)</i>	Y			
34	Attached (as part of each annual update to the SWMP in Section VII.A or as part of the Program Evaluation and Other Activities narrative in Section VII.B) updated information required under S5.C.6.b about the Structural Stormwater Control Program. This information must include a prioritized list/description of planned structural stormwater control projects scheduled for implementation during the term of this permit, a description of how the selected projects comply with AKART and MEP requirements, responses to Ecology concerns (if applicable), and all other required information as described in S5.C.6.b.ii and iii. <i>(Required by February 15, 2008, S5.C.6.b)</i>	Y		For further information see Appendix 2 of the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	Section VII - SWMP
35	Currently implementing Structural Stormwater Control Program. <i>(Required by August 15, 2008, S5.C.6.b.i)</i>	Y			

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
S5.C.7 Source Control Program for Existing Development				
36 Submitted draft enforceable document(s), such as an ordinance, and proposed Source Control Program, which address requirements in S5.C.7.a and S5.C.7.b, to Ecology for review and approval on the date listed in the <i>Comments</i> field. (Required February 15, 2008, S5.C.7.b.i)	Y		February 19, 2008. The 19th due to President's Day Holiday. See Annual Report Appendix 1 for further detail on the equivalency process of the 2009 King County Surface Water Design Manual, of which the 2009 King County Stormwater Pollution Prevention Manual is an affiliated component and thus part of the same process of equivalency.	Appendix 1 of this Annual Report
37 Adopted the enforceable document(s), such as an ordinance, on the date listed in the <i>Comments</i> field. (Required August 15, 2008, S5.C.7.b.i)	Y		January 9, 2009. See Annual Report Appendix 1 for timeline detail.	Appendix 1 of this Annual Report
37a Began enforcing Source Control Program on the date listed in the <i>Comments</i> field. (Required August 15, 2008, S5.C.7.b.i)	Y		King County has had a Source Control Program since 1995	
38 Established an inventory or listing of land uses/businesses using the categories in Appendix 8 to identify sites that are potentially pollution generating. (Required August 15, 2008, S5.C.7.b.ii)	Y		Inventory developed. See Appendix 7 of SWMP for inventory development process explanation.	Section VII - SWMP
39 Periodically updated the inventory or listing of land uses/businesses using the categories in Appendix 8, as required in S5.C.7.b.ii.	Y			
40 Implemented a program to respond to complaints and to identify other pollutant generating sources, such as mobile or home-based businesses. (Required August 15, 2008, S5.C.7.b.ii)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
41 Began implementing an audit/inspection program for sites identified pursuant to S5.C.7.b.ii. (Required February 15, 2009, S5.C.7.b.iii)	Y			

Question		Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
41a	Number of sites that were provided with information about activities that may generate pollutants and associated source control requirements:		890	King County source control inspectors conducted 390 source control inspection and 240 drainage investigator inspections in 2009 during which required information provided. Also approximately 260 other sites were inspected and provided with information.	
42	During the reporting period, inspected 20% of identified sites in the audit/inspection program established in S5.C.7.b.ii. (<i>Required</i> to begin by February 15, 2009, report beginning with the third year Annual Report for 2009, S5.C.7.b.iii)	Y		20% target was approximately 520 and 630 were inspected.	
43	During the reporting period, inspected 100% of sites identified through legitimate complaints. (<i>Required</i> to begin by February 15, 2009, report beginning with the third year Annual Report for 2009, S5.C.7.b.iii)	Y			
43a	Number of sites identified through legitimate complaints:		60		
43b	Number of sites inspected:		60		
44	Began implementing a progressive enforcement policy to require sites to come into compliance with stormwater requirements. (Required beginning February 15, 2009, S5.C.7.b.iv) List nature of enforcement actions in <i>Comments</i> field. (S9.E.2.d)	Y		See Appendix 8 of the SWMP for draft Progressive Enforcement Table.	Section VII - SWMP
44a	Number of follow-up actions taken:		81	Types of follow-up action: corrective action letter, re-inspection, Notice of Violation, Notice and Order	
44b	Number of further enforcement actions taken:		0	See above	
45	Contacted Ecology immediately upon discovering a source control violation that presented a severe threat to human health or the environment. (S5.C.7.b.iv and/or G3.)	Y		As part of normal procedure King County Staff contact Ecology in such an event.	
45a	Number of violations reported to Ecology:		73		

Question		Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
46	Referred to Ecology non-emergency violation(s) of local ordinances after making a documented effort of progressive enforcement to bring them into compliance. (S5.C.7.b.iv)	Y			
46a	Number of referrals to Ecology:		0		
47	All staff whose primary duties are implementing the Source Control Program are trained to conduct these activities in accordance with S5.C.7.b.v. (Required February 15, 2009, S5.C.7.b.v)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
S5.C.8 Illicit Connections and Illicit Discharge Detection and Elimination (IDDE) Program					
48	The SWMP includes an ongoing program to detect and remove illicit connections and illicit discharges into the MS4 owned or operated by the Permittee, including the provisions in S5.C.8.a and S5.C.8.b.i through S5.C.8.b.ii. (S5.C.8.b.i)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
49	Procedures have been developed for addressing pollutants entering the MS4 from an interconnected, adjoining MS4. (Required by February 15, 2009, S5.C.8.b.i)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
50	Evaluated and, if necessary updated, existing ordinances or other regulatory mechanisms to effectively prohibit non-stormwater, illicit discharges, and/or dumping into the MS4. (Required by August 15, 2008, S5.C.8.b.ii)	Y			

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
51 All 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. <i>(Required by August 15, 2008, S5.C.8.b.iii)</i>	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
52 All municipal field staff which, as part of their normal job responsibilities might come in contact with or otherwise observe illicit connections or discharges are trained to identify illicit connections and discharges and the proper procedures for reporting and response. <i>(Required by February 15, 2009, S5.C.8.b.iv)</i>	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
53 Provided a publicly-listed hotline or other local telephone number for water quality citizen complaints/reports. <i>(For all except Clark County, required by February 15, 2007; for Clark County required by August 15, 2007, S5.C.8.b.v)</i>	Y		The numbers include the Roads 24-hour hotline (206-296-8100 or 800-KCROADS); the SWS Water Quality hotline (206-296-1900); and the Illegal Dumping Task Force (IDTF) hotline (206-296-SITE or 866-431-7483).	
54 <u>Cities:</u> Conveyances and outfalls within the incorporated area are prioritized for field screening and source tracing as part of the ongoing program to detect and remove illicit connections and illicit discharges. <u>Counties:</u> Conveyances and outfalls in the urban/higher density rural sub-basins are prioritized, and one rural sub-basin has been selected, for field screening and source tracing as part of the ongoing program to detect and remove illicit connections and illicit discharges. <i>(In preparation for the 2012 deadline, S5.C.8.b.vi)</i>	NA			

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
55 <u>Cities:</u> Completed field screening of 60% of the conveyance systems within the incorporated area. <u>Counties:</u> Completed field screening of 50% of the conveyance systems in urban/higher density rural sub-basins and at least 1 rural sub-basin. (Required by February 15, 2012, S5.C.8.b.vi)	NA			
56 Upon discovery or upon receiving a report of a suspected illicit connection, initiated an investigation within 21 days. (S5.C.8.b.vii(1))	Y			
56a Number of investigations:		8		
57 Upon confirmation of the illicit connection, used enforcement authority to eliminate the illicit connection within 6 months. (S5.C.8.b.vii(2)) List nature of enforcement actions in <i>Comments</i> field.	Y		See Appendix 8 of the SWMP for draft Progressive Enforcement Table.	Section VII - SWMP
57a Number of enforcement actions:		6		
57b Number of illicit connections eliminated:		4	Remaining two are still under investigation.	
58 Contacted Ecology immediately upon discovering an illicit connection presented a severe threat to human health or the environment. (S5.C.8.b.vii(3). See also question 7 of this report.)	Y		As part of normal procedure King County Staff would contact Ecology in such an event, however none were encountered in 2009.	
58a Number of illicit connections identified as presenting severe threat to human health or the environment:		0		

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
59	Referred to Ecology illicit connection(s) after making a good faith and documented effort of progressive enforcement to terminate the violation(s). (S5.C.8.b.vii(3))	Y		As part of normal procedure King County Staff would contact Ecology in such an event, however none were encountered in 2009.	
59a	Number of referrals to Ecology:		0		
60	Participated in a regional emergency response program or developed and implemented procedures to investigate and response to spills and improper disposal into the MS4. (Required by August 15, 2007, S5.C.8.b.vii)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
61	Developed a program to prioritize and investigate complaints/reports or monitoring information that indicate potential illicit discharges, including spills. (Required by August 15, 2007, S5.C.8.b.viii)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
S5.C.9 Operation and Maintenance Program					
62	Established maintenance standards as protective, or more protective, of facility function than those specified in Chapter 4 of Volume V of the 2005 <i>Stormwater Management Manual for Western Washington</i> , and in accordance with the provisions in S5.C.9.b.i. (Required by August 15, 2008, S5.C.9.b.i)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx). The timeline of manual equivalency is outlined in Annual Report Appendix 1.	Appendix 1 of this Annual Report

Question		Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
63	Evaluated and, if necessary, updated existing ordinances or enforceable documents requiring maintenance of all permanent stormwater treatment and flow control facilities, including catch basins, regulated by the Permittee, in accordance with maintenance standards established under S5.C.9.b.i. (<i>Required</i> by August 15, 2008, S5.C.9.b.ii(1))	Y			
64	Developed and implemented an initial inspection schedule for all known, permanent stormwater treatment and flow control facilities (other than catch basins) regulated by the Permittee that involves an inspection of each facility at least once during this permit term. (<i>Required</i> by August 15, 2008, S5.C.9.b.ii(2))	Y			
65	Developed and implemented an ongoing inspection schedule to annually inspect all stormwater treatment and flow control facilities (other than catch basins) regulated by the Permittee. (<i>Required</i> to begin by February 15, 2011, S5.C.9.b.ii(3))	NA		Program in development to meet 2011 deadline.	
66	Reduced the frequency of inspections to less than annually for stormwater treatment and flow control facilities (other than catch basins) regulated by the Permittee. Indicate in comments below if reduction is based on maintenance records or certification pursuant to S5.C.9.b.ii(3)).	Y		King County reduced the frequency to every other year. For further detail see the SWMP available online at: http://www.kingcounty.gov/environment/wlr/storm-water-services/stormwater-program.aspx	

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
67 Managing maintenance activities to inspect new permanent stormwater treatment and flow control facilities, including catch basins, in new residential developments every 6 months during period of heaviest construction to identify maintenance needs and enforce compliance. (Required to begin by February 15, 2009, S5.C.9.b.ii(4))	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
68 Required cleaning of catch basins found to be out of compliance with maintenance standards under the requirements of S5.C.7 (Source Control Program) and S5.C.8 (Illicit Discharges Detection and Elimination) or as part of facilities you regulate and inspected under S5.C.9 (Operation and Maintenance Program). (S5.C.9.b.ii(6))	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
69 Developed and implemented a program to annually inspect all permanent stormwater treatment and flow control facilities (other than catch basins) owned or operated by the Permittee and to implement appropriate maintenance action in accordance with established maintenance standards. (Implementation required to begin by February 15, 2009, S5.C.9.b.iii(1))	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	

	Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
70	Changed the frequency of inspection schedule to less than annually for permanent stormwater treatment and flow control facilities (other than catch basins) owned or operated by the Permittee. Indicate in comments below if reduction is based on maintenance records or certification pursuant to S5.C.9.b.iii(1).	Y		King County reduced the frequency to every other year. For further detail see the SWMP available online at: http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx	
71	Implemented a program to conduct spot checks of stormwater facilities owned or operated by Permittee (other than catch basins) after major storm events, and to respond to findings, in accordance with S5.C.9.b.iii(2). (<i>Required</i> to begin by February 15, 2009, S5.C.9.b.iii(2))	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
72	Implemented program to annually inspect catch basins and inlets owned or operated by the Permittee in accordance with the provisions in S5.C.9.b.iv(1). (<i>Required</i> to begin by February 15, 2009, S5.C.9.b.iv(1))	Y		Program was implemented. All inspections were completed. However, required mainenance was not completed within the timelines allowed under S5.C.9.bi(2) for some catch basins. See attached G20 letter.	Appendix 2 of this Annual Report
73	Changed the frequency of inspection schedule to less than annually for catch basins owned or operated by the Permittee. Indicate in comments below if reduction is based on maintenance records or certification pursuant to S5.C.9.b.iv(2)).	N			

	Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
74	Decant water from catch basin cleaning activities is disposed of in accordance with the requirements in Appendix 6. <i>(Required by February 15, 2009, S5.C.9.b.iv(3))</i>	Y			
75	Attached (as part of the Program Evaluation and Other Activities narrative in Section VII.B) a summary of maintenance or repair activities conducted by the Permittee requiring capital construction of \$25,000 or more. <i>(Required annually beginning with third annual report/for calendar year 2009, S5.C.9.b.v)</i>	NA		None occurred in 2009.	Section VII
76	Established practices to reduce stormwater impacts associated with runoff from streets, parking lots, roads or highways owned or operated by the Permittee, and road maintenance activities listed in S5.C.9.b.vi conducted by the Permittee. <i>(Required by February 15, 2008, S5.C.9.b.vi)</i>	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
77	Implemented the established practices to reduce stormwater impacts associated with runoff from streets, parking lots, roads or highways owned or operated by the Permittee, and road maintenance activities listed in S5.C.9.b.vi conducted by the Permittee. <i>(Required by August 15, 2008, S5.C.9.b.vi)</i>	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
78	Established and implemented policies and procedures, which address activities and lands listed in S5.C.9.b.vii, to reduce pollutants in discharges from lands owned or maintained by the Permittee. (Required by August 15, 2008, S5.C.9.b.vii)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
79	Developed and implemented an ongoing training program for Permittee employees with primary construction, operations or maintenance job functions that could impact stormwater quality (Required by February 15, 2009, S5.C.9.b.viii.)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
80	Developed and implemented Stormwater Pollution Prevention Plan(s) 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 covered under another Ecology-issued stormwater discharge permit. (Required by February 15, 2009, S5.C.9.b.xi)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
S5.C.10 Education and Outreach Program				
81 Implemented or participated in an education and outreach program designed to achieve measurable improvements in understanding of the problem and associated solutions for the target audiences listed in S5.C.10.b. (<i>Required</i> by February 15, 2008, S5.C.10.b.i)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	
82 Implemented or participated in an effort to measure understanding and adoption of the targeted behaviors by at least one target audience in at least one subject area (<i>Required</i> to begin February 15, 2008, S5.C.10.b.ii)	Y		For further information see the King County SWMP. (http://www.kingcounty.gov/environment/wlr/stormwater-services/stormwater-program.aspx)	

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
S7. Compliance with Total Maximum Daily Load Requirements				
83 Is there a Total Maximum Daily Load (TMDL) listed in Appendix 2 applicable to you? (S7)	N			
84 Attached (as part of the Program Evaluation and Other Activities narrative in Section VII.B) a summary of the status of TMDL implementation activities conducted by the Permittee, and/or on behalf of the Permittee, including as applicable: <ul style="list-style-type: none"> • How TMDL-related activities are incorporated into the SWMP or other permit requirements, such as monitoring • Any lists or inventories required • Description of inspections, including total number of sites targeted and number of inspections conducted • Any specific deadlines or milestones reached in the reporting term and associated dates • Selected monitoring and implementation approaches, where options are described in Appendix 2 • Other information necessary to provide a summary of the TMDL implementation status and any associated monitoring(S7.A and S9.E4) 	NA			Section VII

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
85 If applicable, complied with the specific requirements identified in Appendix 2. (S7.A)	N			
S8.B Monitoring				
86 During the reporting period, stormwater monitoring studies involving the Permittee's MS4 were conducted by the Permittee, on behalf of the Permittee, or were reported to the Permittee and attached (as part of the Program Evaluation and Other Activities narrative in Section VII.B) is a brief description of the type of information gathered or received. (S8.B.1)	Y		Due to monitoring site access issues in the Fall of 2009, King County submitted a G20 letter to Ecology. The access issue has been resolved since.	Appendix 2 of this Annual Report
General Conditions				
87 Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance. (G20)	Y			
88 Notified Ecology in cases where the Permittee becomes aware of a discharge into or from the Permittee's MS4 which could constitute a threat to human health, welfare, or the environment? (G3)	Y			
88a Took appropriate action to correct or minimize discharges into or from the Permittee's MS4 which could constitute a threat to human health, welfare, or the environment? (G3)	Y			
S9. Low Impact Development (LID) Reporting				

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
89 Attached (as part of the Program Evaluation and Other Activities narrative in Section VII.B) a summary of barriers to implementation of Low Impact Development, and any actions taken to remove the barriers (S9.E.10).	Y		See Attached in Section VII	Section VII
90 Attached (As part of the Program Evaluation and Other Activities narrative in Section VII.B) a summary of the extent to which basin or watershed planning is being conducted in the Permittee's jurisdiction, either voluntarily, or pursuant to the Growth Management Act or any other requirement (S9.E.11).	Y		See Attached in Section VII	Section VII
91 Attached (As part of the Program Evaluation and Other Activities narrative in Section VII.B) identified areas for potential basin or watershed planning that can incorporate development strategies as a water quality management tool to protect aquatic resources. This reporting requirement is due only in the Annual Report for calendar year 2010 (S9.E.12).	NA		Details will be provided in King County's 2010 Annual Report next year.	
S8.H Monitoring				
92 Attached (per Section VIII) the Annual Stormwater Monitoring Report(s) for S8.D, S8.E and S8.F (S8.H and S9.E.5).	N		See attachments	Section VIII

REMINDER: Save your work as you go. Did you answer each question, provide necessary background information in the # and/or *Comments* field, and attach and/or note the filename and page number of all required documentation in the *Attachment* field? Proceed to the Attachments (**Section VII**) tab next.

VII. Annual Report Attachments

A. Annual Update of Stormwater Management Program Document (S5.A.1 and S9.E)

Attach your annual update of your Stormwater Management Program (SWMP) document to the email in which you transmit this Annual Report form to Ecology. Label each file clearly. If only parts of the SWMP document have changed, you may attach only those updated sections or pages provided you clearly describe that the provided attachments represent replacement pages.

B. Program Evaluation and Other Activities Narrative

Attach a document that includes your narrative program assessment and other additional required reporting as listed in the Table of Contents below.

Table of Contents

1. If applicable, notification of any changes to authorization pursuant to G19.C (S9.E.9).
2. If applicable, a summary of any actions taken pursuant to S4.F (S9.E.3).
3. Assessment of the appropriateness of your program design and/or specific BMPs identified for each component of the SWMP, including any changes made or anticipated to be made, and why (S9.E.6 and S8.B.2).
 - 3.1 Public Involvement and Participation
 - 3.2 Controlling Runoff from New Development, Redevelopment and Construction Sites
 - 3.3 Structural Stormwater Controls
 - 3.4 Source Control Program for Existing Development
 - 3.5 Illicit Connections and Illicit Discharges Detection and Elimination
 - 3.6 Operation and Maintenance Program
 - 3.7 Education and Outreach Program

4. Updated information required under S5.C.6.b about the Structural Stormwater Control Program (if not provided in the annual SWMP update in Section VII.A)
5. Summary of actions taken to comply with applicable TMDL requirements (S9.E.4).
6. Brief description of any stormwater monitoring studies not part of your Annual Stormwater Monitoring Report involving your MS4 in accordance with S8.B.1 (S9.E.6).
7. Operations and Maintenance Records, if applicable
 - 7.1 Justification of reduced inspection frequency, including records if applicable, pursuant to S5.C.9.b.ii(3), S5.C.9.b.iii(1) and S5.C.9.b.iv(2).
 - 7.2 Information pertaining to stormwater facility maintenance or repair requiring capital construction of \$25,000 or more (S5.C.9.b.v). This information may be presented in a summary table and, when the maintenance or repair has not yet been completed, should include an estimated cost and an estimated completion date
8. Notification of any annexations, incorporations or jurisdictional boundary changes in the geographic area of coverage during the reporting period, and implications for the SWMP (S9.E.8), if applicable.
9. Summaries of Low Impact Development (LID) reporting requirements pursuant to S9.E.10, S9.E.11 and S9.E.12.

REMINDER: Send electronic and hard copies of these attachments to Ecology according to directions in the Certification tab under Section V. Proceed to the **Monitoring (Section VII)** tab next.

VIII. Annual Stormwater Monitoring Report (S8.H and S9.E.5)

Refer to the Annual Stormwater Monitoring Report contents guidance for additional information regarding Ecology's expectations for this report.

**King County Phase I NPDES Municipal Stormwater Permit
2009 Annual Report
Section VII Annual Report Attachments**

A) Annual update of Stormwater Management Program

See attached SWMP. Entire document has been revised.

B) Program evaluation and other activities narrative

1. Changes of authorization

None

2. Summary of actions pursuant to S4F

None

3. Assessment of appropriateness of program design and BMP selection

King County currently has no comments on the appropriateness of the program design and BMP selection of the Municipal NPDES Permit.

4. Updated information about the Structural Control Program

Please see Appendix 2 of the SWMP which outlines the Structural Control Program in detail.

5. Summary of actions taken to comply with applicable TMDL requirements (in response to specific information requirements posed in line 84 of annual report form)

None.

6. Description of any stormwater monitoring studies not included with Annual Stormwater Monitoring Report

Intercalibration Study

Under contract with Ecology, King County WLRD sampled 2 storms and 3 locations to evaluate the comparability of laboratory analysis of stormwater. Hardness, along with total and dissolved copper, zinc, lead, and mercury were analyzed. The greatest source of inter-laboratory variability was false negative results below reporting limits. For detected concentrations, similar conclusions about concentrations and water quality violations would be reached regardless of analytical laboratory.

Metals Attenuation Study

In December 2009, King County WLRD initiated a study to determine if sample holding time prior to filtration has a significant effect on the concentration of dissolved metals in stormwater samples. Large stormwater samples were collected and aliquots were sub-

**King County Phase I NPDES Municipal Stormwater Permit
2009 Annual Report
Section VII Annual Report Attachments**

sampled, filtered, and analyzed at intervals for metals over the course of 48 hours. The purpose was to determine what quality is added to a dissolved metals data set when the effort to filter dissolved metals within 15 minutes of collection is employed.

The Georgetown Yard trucking facility

King County's Wastewater Treatment Division completed quarterly stormwater sampling of the Georgetown Yard trucking facility in 2009. Sampling and analyses include turbidity, oil and grease, zinc and pH. Visual monitoring observations are also recorded. Results of each monitoring event and visual observations are summarized in an inspection report which is submitted as required.

Military Road stormwater monitoring

King County Roads Services Division operates a bioretention facility located on the south west corner of the Military Road South at South 272nd Street intersection in Kent. The facility treats road surface runoff from approximately 0.1 acre of S 272nd St and 0.21 acre from Military Rd S. On May 28, 2009 sensors were installed at each inlet and continuous stormwater flow data has been collected.

Stormwater Monitoring on Small (<1 acre) Construction Projects

Stormwater control BMPs were installed and monitored on 29 small projects during 2009 by the Environmental Unit of King County's Road Services Division. Three of the projects were culvert replacement projects where turbidity was monitored during construction. Twenty four short span bridge projects and one landslide repair were completed during the summer months and no stormwater discharge occurred.

Lake Hicks Stormwater Monitoring

Grab samples were taken by King County's WLRD staff at designated sites around White Center in the area draining to Lake Hicks to characterize storm water runoff on three dates in 2009: February 24th, March 1st, and October 26th. One station was located on the northwest shoreline of Lake Hicks, while thirteen others were situated above and below R/D cells, bioswales, outfalls, and other surface drainage facilities in the basin. Parameters sampled included temperature, specific conductivity, pH, dissolved oxygen, total phosphorus, total suspended solids, and fecal coliform bacteria.

DDES Required Monitoring

King County's Department of Development and Environmental Services (DDES) requires developers to monitor some projects. These include some large urban developments and experimental design adjustments per King County's Surface Water Design Manual. King County does not do the monitoring, but sets requirements and receives reports, generally from developers' consultants. A project may involve monitoring flow control or water quality facilities or both. Flow control monitoring may involve detention or infiltration performance. Water quality monitoring typically involves levels and or removal rates for pollutants targeted for control, e.g. total suspended solids, total phosphorus, and/or pH. Monitoring may also be required for maintenance, e.g. frequency required for cleaning

**King County Phase I NPDES Municipal Stormwater Permit
2009 Annual Report
Section VII Annual Report Attachments**

out built-up sediment, or vegetation maintenance requirements for a bioswale or rain garden.

7. Operation and maintenance records, if applicable

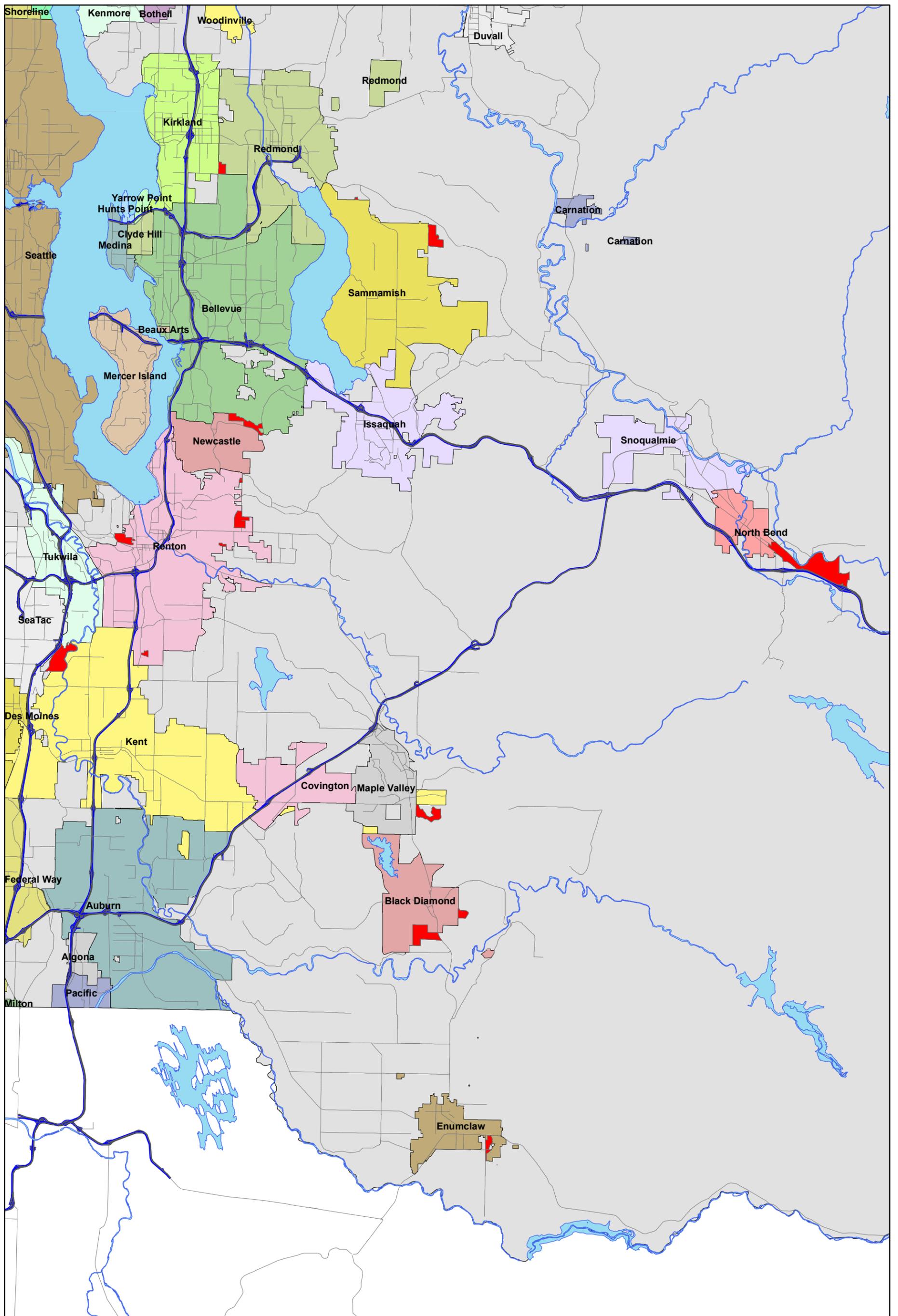
All King County custodial agencies were surveyed and no maintenance or repair activities, as described in S5.C.9.b.v, that exceeded the \$25,000 threshold took place in 2009.

8. Annexation notification

See attached 2009 annexation map.

9. Low Impact Development (LID) Summary

Over the last ten years King County has been successfully removing barriers to the understanding, acceptance, and implementation of Green Stormwater Infrastructure A.K.A. Low Impact Development (LID). Currently, barriers still remain to the implementation of LID and are primarily related to public safety, issues associated with Roads Standards and Fire Safety requirements. Issues include minimum pavement widths, pavement materials and weight bearing standards. Stormwater Services Section of the County's Department of Natural Resources and Parks work with the Fire Marshall and the King County Department of Transportation, providing information on new studies, technology and approaches to incorporate green stormwater infrastructures in their respective programs.



2009 Annexations in King County

2009 Annexations

**King County Phase I NPDES Municipal Stormwater Permit
2009 Annual Report
Section VIII Annual Stormwater Monitoring Report**

The Washington State Department of Ecology sent notice to collaborative Phase I permittees, which includes King County, indicating that their first required Section VIII Annual Stormwater Monitoring Report will be due in the Annual Report to be submitted March 31, 2011.

Stormwater Monitoring Report Guidance, Phase I Municipal Stormwater Permit Reporting Requirements for Special Condition S8

Table 1: Independent and Collaborative Monitoring Submittal Timeline

Collaborative Monitoring Permittees		
<i>Monitoring Component</i>	<i>Data Collection Time Period</i>	<i>Report Due Date</i>
S8.D, S8.E and S8.F	August, 2009 – September 30, 2010	March 31, 2011
S8.F Final Report	Data specific in the <i>Final BMP Reports</i> section in this guidance	March 31, 2011
S8.D, S8.E and S8.F	October 1, 2010 – September 30, 2011	March 31, 2012*
S8.D, S8.E and S8.F	October 1, 2011 – February 15, 2012	March 31, 2013*

Appendix 1

King County Surface Water Design Manual Equivalency Process

In 2007 King County began the process of updating the requirements of the King County Surface Water Design Manual (KCSWDM), the King County Stormwater Pollution Prevention Manual (KCSPPM), and King County's water quality code (KCC) 9.04 and 9.12. The KCSWDM contains the requirements and standards for designing surface and storm water management systems in King County. The KCSWDM regulates proposed projects through a mixture of requirements, performance standards, and design standards. The KCSPPM applies to residential, commercial, industrial, governmental, and agricultural activities in King County that have the potential to contribute pollutants to stormwater runoff or directly to receiving waters.

The update was required to make them equivalent to the standards mandated by Ecology in the Municipal Stormwater Permit which had changed in part due by a ruling on the process of equivalency by the Washington State Pollution Control Hearing Board ruling (PCHB Nos. 07-021, 026, 027, 028, 029, 030, 037). During 2007 the County and Ecology coordinated on the content of the changes needed to achieve equivalency. In 2008 King County adopted the new KCSWDM and KCSPPM through a public rule process after necessary KCC amendments were made. In 2009 the process of King County officially adopting these documents and code were completed. Lastly Ecology had to modify the 2007 Permit and declare the 2009 SWDM equivalent. Thus the modified permit was issued in June 2009.

The process is outlined with the following approximate timeline:

February 19, 2008 - King County submitted the draft updated KCSWDM, KCSPPM and water quality codes to Ecology.

May 20, 2008 - Ecology returns the updated documents with edits required to be deemed equivalent. King County edits the KCSWDM, KCSPPM and codes and begins process to adopt updated KCSWDM, KCSPPM and codes.

October 6, 2008 - King County Council adopts ordinance updating King County Code to enable the new requirements of the updated KCSWDM and KCSPPM.

October 15, 2008 - King County begins public rule process to allow the public to provide input on the updated KCSWDM and KCSPPM.

November 29, 2008 - Public comment period closes.

January 9, 2009 - King County public rule process completed thus making the updated KCSWDM and KCSPPM official.

January 16, 2009 - Ecology begins the permit modification process required to modify the Municipal Stormwater Permit and deem the KCSWDM equivalent. This process will take several months and may involve further coordination with King County.

June 17, 2009 - Ecology issues new Phase I Municipal Stormwater Permit and official modification process is complete.

Appendix 2

King County NPDES Municipal Stormwater Permit 2009 G20 Notification Letters



King County

Department of Natural Resources and Parks

Director's Office
King Street Center
201 South Jackson Street, Suite 700
Seattle, WA 98104-3855

November 23, 2009

Rachel McCrea
Phase I Municipal NPDES Permit Manager
Ecology Northwest Regional Office
3190 - 160th Ave. SE
Bellevue, WA 98008-5452

RE: NPDES Municipal Stormwater Permit WAR04-4501 G20 Notification

Dear Ms. McCrea:

This letter is to notify you that King County has become aware of a point of non-compliance with the Phase I Municipal Stormwater Permit (permit). The specifics of this point of non-compliance are outlined below.

Special Condition S5.C.9.iv. Maintenance of Catch Basins Owned or Operated by the Permittee, calls for King County to establish a program to annually inspect catch basins and inlets owned or operated by the Permittee. King County Road Services Division (KCRSD) inspects their inventory of catch basins on a "circuit basis" as defined in the permit, whereby a sampling of catch basins and inlets within each circuit is inspected to identify maintenance needs. The permit requires maintenance of all catch basins within a given circuit when the inspection identifies catch basins exceeding maintenance standards established under S5.C.9.b.i. These standards establish that catch basin maintenance shall be performed within six months.

KCRSD has identified over 300 circuits, inspected per S5.C.9.b.iv, which did not meet performance standards at the time of inspection; and, were not fully able to be maintained within the six-month timeframe prescribed in S5.C.9.b.i. Inspections took place between March and May 2009, thus the six-month timeframes associated with those inspections ended between late September and late November 2009. Maintenance on the failed circuits began in spring 2009 and portions of many of the non-compliant circuits have been cleaned since that time. However, maintenance on the failed circuits is not yet complete, prompting this non-compliance notification.

King County will make every effort to return to compliance by continuing maintenance on these systems for the rest of the year. Any outstanding maintenance at the end of the year will be given first priority in 2010 and completed as weather and resources allow. The volume of outstanding maintenance represents an estimated three to four months of dedicated vector work given current efficiencies and size of KCRSD's vector fleet. The ability to conduct maintenance on King County's stormwater system is weather and resource dependent, since the same resources are used for both bodies of work, i.e. emergency response and catchbasin maintenance. Thus it is not possible to predict an exact date of compliance. The permit does allow for exceedances when circumstances are beyond the Permittee's control; such as unexpected reallocations of maintenance staff to perform emergency work.

King County recognizes that program improvements will be necessary to prevent reoccurrence of this non-compliance. King County management has begun discussions with staff to develop long-term program improvements for the permit term that will achieve compliance. Several possible improvement options have been identified and will be explored in the coming weeks to determine their feasibility and effectiveness. We will develop a plan to implement the most viable ideas. We will communicate that plan to Ecology no later than mid-January 2010. This plan will also be included in King County's 2010 Stormwater Management Plan.

King County foresees continuing challenges to achieve and remain in compliance with the catchbasin inspection and maintenance permit requirements due to the reasons outlined in King County Comments and Proposals on the Draft Permit Modification of the Phase I, dated May 1, 2009. Proposal #5 indicated that King County had already identified six times the number of catch basins exceeding maintenance standards than were maintained during the previous budget year. Catchbasin maintenance programs throughout the region have recognized the significant cost associated with implementing this program as described above. We recommended prorating the first round of cleaning over a longer period of time, making this requirement more attainable.

We have kept you informed of the potential for this permit violation and our progress to resolve the path to compliance. Per our telephone conversations, we are producing this G20 letter to meet the need of the permit and to document the violation.

King County is committed to conducting County business in a manner that preserves and protects our natural environment and meets all applicable regulatory requirements. We fully support the protection of stormwater quality and the goals of the current Phase I Municipal

Stormwater Permit issued by Ecology. If you have questions regarding the information in this letter or King County's efforts to comply with the Phase I Municipal Stormwater Permit in general, please contact Douglas Navetski at (206) 296-8311 or Doug.Navetski@kingcounty.gov. Thank you.

Sincerely,


Mark Isaacson
Division Director

cc: Linda Dougherty, Division Director, Roads Services Division (RSD), Department of Transportation (DOT)
Joanna Richey, Assistant Division Director, Water and Land Resources Division (WLRD), Department of Natural Resources and Parks (DNRP)
Debbie Arima, Roads Maintenance Operations Manager, Roads Maintenance Section (RMS), DOT
Curt Crawford, Section Manager, Stormwater Services Section (STORM), WLRD, DNRP
Tony Ledbetter, Maintenance Superintendent, Division Maintenance Unit (DMU), RMS, RSD, DOT
Leo Griffin, Assistant Roads Maintenance Operations Manager, RMS, RSD, DOT
Douglas Navetski, Supervising Engineer, Water Quality Compliance Unit, STORM, WLRD, DNRP
Rob Fritz, Supervising Ecologist, Human Resources and Technical Support Unit, RMS, RSD, DOT
Jennifer Keune, Environmental Scientist, Human Resources and Technical Support Unit, RMS, RSD, DOT



King County

Water and Land Resources Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 600

Seattle, WA 98104-3855

206.296.6519 Fax 206.296.0192

TTY Relay: 711

September 16, 2009

Rachel McCrea
Municipal Stormwater Specialist
Washington State Department of Ecology
Northwest Regional Office
3190 – 160th Avenue Southeast
Bellevue, WA 98008-5452

RE: NPDES Municipal Stormwater Permit WAR04-4501 G20 Notification

Dear Ms. McCrea:

Special Condition S8 – Monitoring, of the Municipal NPDES permit established specific dates for deployment of sampling equipment and readiness to sample storm events. Due to access issues for two of the sampling sites, King County was unable to deploy according to the schedule stated in the permit. These issues have been resolved and the equipment is now in place and ready to sample.

Special Condition S8.D.1 identifies sampling locations to be developed to monitor stormwater discharge from specific types of land use to determine potential pollutant loads. King County identified a location in Fall City to meet the “Commercial land use” criteria. The location was in a catch basin located in the Washington State Department of Transportation (WSDOT) Right-of-Way. Negotiations with WSDOT lasted longer than anticipated and the equipment was deployed on September 9. The target deployment date as listed in the permit, Special Condition S8.G.1.d was August 16. The negotiations were successfully concluded and the site is now active with the equipment in place to sample storm events. There is no reason to expect that this delay will have any effect on King County’s ability to meet this permit requirement.

Special Condition S8.F.1 identifies the program to conduct stormwater treatment and hydrologic Best Management Practice (BMP) evaluations. A treatment train including a pretreatment settling pond and a sand filter system were chosen for monitoring during negotiations with Ecology. This system is a privately-held system located in the City of Sammamish. Negotiations with the facility owner lasted longer than anticipated and the equipment was deployed on September 10. The target deployment date as listed in the permit, Special Condition S8.G.1.d was August 16. The negotiations were successfully concluded and the site is now active with the equipment in place to sample storm events. This program uses a

randomization process to determine sampling dates, and it appears that there were no qualifying events missed due to the delay, and there is no reason to expect that this delay will have any effect on King County's ability to meet this permit requirement.

We have kept you informed of this delay and our progress to resolve these delays and appreciate your efforts to assist in the negotiations. This letter was postponed until the solutions had been identified and could be included in this letter. According to phone conversations between you and my staff, we are producing this G20 letter to meet the need of the permit and to document the delay.

Please contact Curt Crawford, Manager of the Stormwater Services Section in the Water and Land Resources Division of the Department of Natural Resources and Parks, at 206-296-8329 if you need further information about this matter.

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.

Sincerely,



Mark Isaacson
Division Director

MI:DN:bgD124

cc: Theresa Jennings, Director, Department of Natural Resources and Parks (DNRP)
Curt Crawford, Manager, Stormwater Services Section, Water and Land Resources
Division (WLRD), DNRP
Doug Navetski, Supervising Engineer, Stormwater Services Section, WLRD, DNRP
David Batts, Senior Engineer, Stormwater Services Section, WLRD, DNRP
Dean Wilson, Senior Water Quality Planner, Science and Technical Support Section,
WLRD, DNRP