

**Snohomish County NPDES Municipal Stormwater Permit
Annual Report for CY 2008
Supplemental and Attached Information**

A) Annual update of Stormwater Management Program

The updated Stormwater Management Program (SWMP) is attached to this annual report. Ecology agreed that Snohomish County could combine the SWMP document with the various planning documents pursuant to applicable Total Maximum Daily Loads, since all of the required actions related to TMDLs fall under the standard SWMP requirements.

B) Program evaluation and other activities narrative

1. Changes of authorization

None

2. Summary of actions pursuant to S4F

Snohomish County sent two letters to Ecology pursuant to permit condition S4F.

The first, dated June 11, 2008, pertained to a turbid discharge from a County storm sewer into Swamp Creek. The discharge was observed by Snohomish County staff during routine stream sampling. The source of the turbid water was a private construction site. Snohomish County contacted the party responsible for the discharge, which took actions to stop the pollution, including removing sediment from a filter vault.

The second letter, sent on May 19, 2008, pertained to discharges from the Waste Management Incorporated (WMI) facility in Woodinville, WA, to the County's storm sewer. These discharges, which contain fecal coliform concentrations in violation of state water quality standards, ultimately are discharged to Little Bear Creek. Sections of this creek are on the state 303(d) list for fecal coliform bacteria. WMI is operating under a settlement agreement with Snohomish County pursuant to citations issued by the County for this pollution. The County continues to work with WMI, the Snohomish Health District, and Ecology to monitor discharges, and conduct inspections in an attempt to further isolate and remove the source of fecal coliform bacteria discharging from the WMI facility. Pursuant to S4.F.2, Snohomish County will take further action in the event that Ecology determines a discharge from the County storm sewer is causing or contributing to a violation of water quality standards in Little Bear Creek.

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3. Assessment of appropriateness of program design and BMP selection

No stormwater monitoring data or other evaluations have been collected or performed under the permit by which the SWMP design or BMP selection would be assessed. Snohomish County does not propose to fundamentally change any elements of the SWMP at this time.

4. Updated information about the Structural Control Program

The SWMP accompanying this report describes the actions in the Structural Stormwater Controls Program for 2009 and beyond. Even more information is contained in the Structural Stormwater Controls Program document posted on the internet at

http://www1.co.snohomish.wa.us/Departments/Public_Works/Services/NPDES/default.htm

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)

The SWMP accompanying this report contains a detailed description of actions taken in pursuant to TMDL-related permit requirements. The following specific information requirements for this attachment are taken from line 84 of the annual report form.

Specific deadlines or milestones reached in the reporting term and associated dates: See table below.

TMDL-related activities incorporated into the SWMP or other permit requirements, such as monitoring: See table below.

Lists or inventories required: The inventory of businesses for the source control inspection program contains, as required, commercial composting facilities and commercial animal handling facilities within the TMDL areas.

Description of inspections, including total number of sites targeted and number of inspections conducted: The inspections required by the TMDLs are inspections of commercial composting facilities and commercial animal handling facilities within the TMDL areas, under the business inspection program. Implementation of this program was not required in 2008.

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NPDES permit TMDL Requirements for 2008 - TMDLs for Snohomish Tributaries, North Creek, and Swamp Creek

Notes: (1) The Swamp Creek TMDL did not contain deadlines. Deadlines for similar elements in the Snohomish Tributaries & North Creek TMDLS apply.
(2) Action descriptions may vary slightly from permit, due to differences in language among the TMDL requirements in the permit.

Action (deadline)	Comment	SWMP section
Prepare Early Action BMP Plan / Bacterial Pollution Control Plan (2/16/08)	Completed by deadline.	N/A
Consider or evaluate use of pet waste ordinance (2/16/08)	Completed by deadline. 2009 SWMP presents evaluation.	S5C1
Evaluate water pollution control enforcement capabilities (2/16/08)	Completed by deadline. 2009 SWMP presents evaluation.	S5C1
Evaluate critical area regulations in relation to TMDL goals (2/16/08)	Completed by deadline. 2009 SWMP presents evaluation.	S5C1
Include bacterial pollution as element in educational program implemented per permit condition S5C10 (2/16/08)	Completed by deadline.	S5C10
Consider investigation and implementation of stormwater treatment, reducing stormwater flow volumes, and preventing new stormwater sources to prevent or reduce bacterial pollution (2/16/08)	Completed by deadline. S8 monitoring requires assessment of BMPs in 2005 Ecology Stormwater Manual	S5C5, S5C6, S8
Consider implementation of (applicable) activities in Watershed Management Plans for Quilceda/Allen Creek, French Creek, and North Creek (2/16/08)	Completed by deadline.	Various
Consider ambient water quality monitoring and stormwater monitoring to identify bacterial pollution sources (2/16/08)	Completed by deadline	S8
Consider livestock and compost ordinances (2/16/08)	Completed by deadline. 2009 SWMP presents assessment.	S5C1
Public review of initial Early Action BMP Plan (5/16/08)	Done; will be contained in annual SWMP public review	S5C4
Begin implementation of BMPs specified in Early Action BMP Plan (8/16/08)	Completed by deadline	various
Include TMDL-related activities in intergovernmental coordination meetings between Snohomish County and other NPDES municipal permittees with which Snohomish County has interconnected storm sewers or shared water bodies (Swamp Creek TMDL).	Done; incorporated in ongoing intergovernmental coordination processes	S5C3
Consider prioritizing storm sewer outfall investigations in TMDL areas (Swamp Creek TMDL).	Done as part of Illicit Discharge Investigation Program	S5C8
Develop threshold values for responding to bacterial problems and initiating investigations in accordance with permit section S5C8(b)(vii) (Swamp Creek TMDL)	Done as part of Illicit Discharge Investigation Program	S5C8

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Selected monitoring and implementation approaches, where options are described in Appendix 2: Snohomish County is implementing Strategy B, Early Action Approach, under the TMDLs for Snohomish River Tributaries and North Creek. As agreed to with Ecology, the County will follow the deadlines specified in this approach for the Swamp Creek TMDL. To implement monitoring under the Swamp Creek TMDL, the County will implement Option 2, Indirect Measurement of Pollution Sources.

Other information necessary to provide a summary of the TMDL implementation status and any associated monitoring: The following sites in the TMDL watersheds are sampled monthly for fecal coliform bacteria as part of Snohomish County's long-term ambient monitoring program. A Quality Assurance Project Plan was submitted by the permit deadline.

Site	Location	Reason for Selection
<i>Snohomish Watershed</i>		
QCLD	Quilceda Creek at 88th St NE	Evaluates cumulative runoff from agricultural and developing residential areas to storm sewers
ACLU	Allen Creek at 67th Ave NE	Rural basin with agricultural runoff
ACLD	Allen Creek at 3rd St	Evaluates runoff from rapidly developing residential areas to storm sewers
WCFA	Woods Creek Main Fork at Florence Acres Road	Major tributary to the Skykomish River with runoff from rural and hobby farm areas to storm sewers
WCWF	Woods Creek west fork on Yaeger Rd	Evaluates runoff to storm sewers from rural areas with moderate development
CATH	Catherine Creek	Evaluate contribution of Lake Stevens watershed to the Pilchuck River
LPIL	Little Pilchuck Creek -12th St NE	Evaluate contribution of Little Pilchuck to Pilchuck R.
DUBQ	Dubuque Creek on OK Mill Road	Evaluate contribution of Dubuque and Panther Creeks to Pilchuck River
PILR	Pilchuck River at 6th St	Downstream site on the Pilchuck River mainstem
FCLU	French Creek on 167th Ave	Evaluates rural and hobby farms runoff
FCLD	French Creek on Old Snohomish-Monroe Hwy	Evaluates commercial agriculture runoff
<i>Cedar/Green Watershed and Tributaries to Puget Sound</i>		
NCLU	North Creek at McCollum Park	Evaluates runoff to storm sewers from residential areas and hobby farms
NCLD	North Creek at Snohomish/King County line	Evaluates commercial, industrial, and high-density residential runoff
SCLU	Swamp Creek at 148 th	Evaluates commercial and residential runoff
SCLD	Swamp Creek at Snohomish/King County line	Evaluates commercial, industrial, and high-density residential runoff

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

None.

7. Operation and maintenance records, if applicable

None applicable. No changes to these programs, such as modifications to inspection frequencies, are proposed at this time. Reporting on maintenance or repair costing \$25,000 or more is not required until the 2009 annual report.

8. Annexations, incorporations, or jurisdictional boundary changes in the geographic area of coverage during the reporting period, and implications for Snohomish County's Stormwater Management Program.

The table below shows the 2008 municipal annexations of area in unincorporated Snohomish County. All of the areas shown were previously inside the area of coverage of Snohomish County's Phase 1 permit.

Annexation Name	City	BRB #	Ordinance #	Eff. Date	Acres
Corniche	Lake Stevens	01-2008	768	3/31/2008	2.91
Webster's Pond / Stonehedge	Mill Creek	29-2007	2008-674	2/26/2008	78.16
Bertrand	Arlington	21-2007	1446	11/6/2008	0.62
Miller	Granite Falls	33-2007	759-07	2/20/2008	90.99
Suncrest Farms	Granite Falls	18-2007	749-07	5/7/2008	91.62
Johnson	Granite Falls	27-2007	754-07	1/16/2008	117.94
Calvary Chapel	Marysville	26-2007	2732	1/14/2008	1.45
Roosevelt Road	Monroe	25-2007	004/2008	1/27/2008	75.16
				Total Annexed Area (Acres)	458.85

Snohomish County's responsibilities under its NPDES municipal stormwater permit ended in each of the areas listed above on the effective date of the annexation. However, all of the cities that annexed unincorporated area are Phase 2 NPDES municipal stormwater permittees, and thus the annexed areas came under the requirements of that general permit.