

City of Tacoma National Pollutant Discharge Elimination System Municipal Stormwater Permit 2012 Annual Report



March 2013

Prepared For:

Washington State Department of Ecology

Prepared By

City of Tacoma



I. Permittee Information	
Permittee Name City of Tacoma	Permittee Coverage Number WAR04-4003
Contact Name Shauna Hansen	Phone Number (253) 502-2284
Mailing Address Center for Urban Waters 326 East D Street	
City Tacoma	State Zip + 4 WA 98421-1801
Email Address shansen2@cityoftacoma.org	

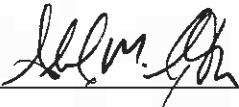
II. Regulated Medium or Large MS4 Location		
Jurisdiction City of Tacoma	Entity Type: Check the box that applies	
	County	City/Town
		<input checked="" type="checkbox"/>
		<input type="checkbox"/>
Major Receiving Water(s) Commencement Bay; The Narrows; Flett Creek; Leach Creek; Joe's Creek		

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):

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></u>	Title	<u>Division Manager, Environmental Services Science and Engineering</u>	Date	<u>28 MAR 2013</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	NA		Zero annexations, incorporations or boundary changes in Tacoma during 2012. For questions, contact Alisa O'Hanlon, (253) 591-5310.	
S4. Compliance with Standards				
2	Y		No new notification pursuant to permit section S4.F was reported during 2012. See attachments for a status update of monitoring, assessments and evaluation efforts related to previous S4.F notifications for Wapato Lake and the Thea Foss Waterway.	Attachment B2. Summary of Actions Taken Pursuant to Permit Section S4F. Attachment C-1. Thea Foss and Wheeler-Osgood Waterways 2012 Source Control and Water Year 2012 Stormwater Monitoring Report.
S5 Stormwater Management Program				
S5.C.1 Legal Authority				
3	Y			Attachment A. Stormwater Management Program (SWMP), p.5.
S5.C.2 MS4 Mapping and Documentation				
4	Y		City has mapped all known marine and freshwater outfalls with 6-inch or greater nominal diameter. All city-owned and operated structural stormwater BMPs are also mapped.	Attachment B10. City of Tacoma Separate Storm Sewer System (MS4) Maps.

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. (S5.C.2.b.i)	Y		City has completed the collection of GIS storm system data for all known connections with all surrounding municipalities including Fife, Pierce County, Lakewood and University Place, Fircrest and Federal Way.	Attachment B10. City of Tacoma Separate Storm Sewer System (MS4) Maps.
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. (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. (S5.C.2.b.ii)	Y		The known outfalls and piped tributary conveyances of the municipal separate storm sewer system are in the City's mapping system. Non-pipe systems such as curbs, gutters, ditches and manmade channels are mapped or shown on aerial photos, where known. Land use is designated and conveyance pipe type, material and size are in the City mapping system, when known.	Attachment B10. City of Tacoma Separate Storm Sewer System (MS4) Maps.
7 A program is in place to maintain a map of all connections to the MS4 that have been authorized or allowed after February 16, 2007. (S5.C.2.b.iii)	Y		Tacoma's program is two-fold. First, many connections have been mapped through the quadrant-by-quadrant City-wide field mapping efforts described in answer #8. Second, a Standard Operating Procedure (SOP) has been developed to ensure that all new permitted connections are added to the existing maps. This SOP is being updated to incorporate additional new connections constructed since 2007 that have not been added through field mapping efforts.	Attachment A. SWMP, p.8-9.

Question	Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
<p>8</p> <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. (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. (S5.C.2.b.iv)</p>	Y		All known connections over 8 inches are mapped; however, this work is ongoing. The City has mapped private drainage systems on a quadrant-by-quadrant basis for connections to all sizes of storm sewer outfalls, focusing first on connections to 24-inch and greater nominal diameter outfalls. In 2011, an additional 73 quadrants were mapped effectively completing the quadrant mapping of all known private connections to the City's MS4 that were accessible to our mapping crews.	Attachment B10. City of Tacoma Separate Storm Sewer System (MS4) Maps.
<p>9</p> <p>Geographic areas served by the MS4 that do not discharge stormwater to surface waters are mapped. (S5.C.2.b.v)</p>	Y		In Tacoma, these service areas are collected by perforated storm sewer mainlines, and their drainage basin areas have been mapped in conjunction with mapping the attributes of all storm sewer outfalls with a 24-inch or greater nominal diameter.	Attachment A. SWMP, p.11.
<p>10</p> <p>Municipal storm sewer system GIS data layers that you have updated are listed in <i>Comments</i> field. (S5.C.2.b.vi)</p>	NA		A list of all relevant GIS data layers is available upon request and pending Ecology guidance on this topic.	Attachment A. SWMP, p.11.
<p>11</p> <p>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)</p>	Y		The majority of the current mapping information is available on the City's website at www.cityoftacoma.org/govme . New mapping information is added to the website on a continuing basis.	Attachment A. SWMP, p.11.

Question		Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
S5.C.3 Coordination					
12	Implemented written internal coordination agreement(s) or directives to facilitate compliance with the permit. (S5.C.3.b.i)	Y		On January 28, 2008, Tacoma's City Manager, Eric Anderson and Tacoma Public Utilities Director, Bill Gaines, signed a letter addressed to all City of Tacoma department directors informing them of the NPDES permit and the need for their cooperation and contribution. Department directors were instructed to identify a contact person to work with the City's NPDES lead.	Attachment A. SWMP, p.12.
13	[Reserved]				
14	[Reserved]				
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. (S5.C.4.b.i)	Y			Attachment A. SWMP, p.14; Public Participation Plan SWMP Appendix A.
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. (S5.C.4.b.ii) List Permittee's website address in <i>Comments</i> field.	Y		Permit submittals are available on the City website at www.cityoftacoma.org/surfacewater .	Attachment A. SWMP, p.17.

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	Implemented a local program that meets the requirements in S5.C.5.b.i through S5.C.5.b.iii. (S5.C.5.b.iv)	Y			Attachment A. SWMP, p.17.
18	[Reserved]				
19	Were exceptions or variances to the minimum requirements in Appendix 1 granted? (S5.C.5.b.ii, and Section 6 of Appendix 1)	Y			
19a	Number of variances granted:		1	Variance was related to minimum requirement #7.	
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. (S5.C.5.b.v)	Y		The current municipal code has established legal authority.	Attachment A. SWMP, p.18.

Question		Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
21	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. (S5.C.5.b.vi)	Y			Attachment A. SWMP, p.18.
22	Reviewed stormwater site plans submitted for proposed development involving land disturbing activities that meet the thresholds in S5.C.5.b.i. (S5.C.5.b.vi)	Y			Attachment A. SWMP, p.19.
22a	Number of site plans submitted:		443	Estimated number of site plans submitted for commercial building permits, single family building permits, grading permits and private work order permits based on Environmental Services plan review work load records.	
22b	Number of site plans reviewed:		443	Estimated number of site plans reviewed for commercial building permits, single family building permits, grading permits and private work order permits based on Environmental Services plan review work load records.	
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> . (S5.C.5.b.vi)	Y		Pre-clearing inspections are currently accomplished by plan review staff from Building and Land Use Services and Environmental Services. A standard operating procedure is being executed in which Environmental Services plan review staff visit all development sites as part of the initial permit review. Site visits include evaluation of key criteria for high potential for sediment transport based on the criteria in the NPDES Permit Appendix 7.	Attachment A. SWMP, p.19.
23a	Number of sites determined to have high sediment transport potential:		46		

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
23b	Number of sites inspected:		46	Number of recorded HSTP site inspections is 46. However, the actual number of HSTP site inspections is likely much higher based on the site criteria which is very common on construction sites in Tacoma; the total number of site plans reviewed in 2012; and the standard operating procedure to visit all sites under permit review (see Answer 22b and 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. (S5.C.5.b.vi)	Y			Attachment A. SWMP, p.20.

Question		Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
24a	Number of qualifying permitted development sites:		241	Estimated number of commercial building permits, single family building permits, grading permits and work order permits issued in 2012 meeting permit thresholds based on number of permits reviewed by Environmental Services. Private work order inspection daily logs are not available for database query. The database tracking system and data entry process is being refined to improve reporting accuracy.	
24b	Number of sites inspected:		194	Estimated number of commercial building permits, single family building permits, grading permits and work order permits issued in 2012 meeting permit thresholds and inspected based on number of permits reviewed by Environmental Services. Private work order inspection daily logs are not available for database query. The database tracking system and data entry process is being refined to improve reporting accuracy.	
25	Enforced as necessary based on the construction-phase inspection at new development and redevelopment projects. (S5.C.5.b.vi) List nature of enforcement actions in <i>Comments</i> field.	Y		Nature of enforcement actions include correction notices, Notices of Violation, Certificates of Complaint, stop work orders, warning letters and fines.	Attachment A. SWMP, p.21.
25a	Number of enforcement actions taken:	Y	478	Estimated number of enforcement actions includes 149 Stop Work Orders on development sites, 79 correction notices issued for on-site erosion control violations, 4 Environmental Compliance warning letters, 3 Environmental Compliance Notices of Violation, 1 Environmental Compliance Cost Recovery, and 1 Environmental Compliance Civil Penalty on development sites in 2012. 149 Code Compliance Notices of Violation, 91 citations related to the Stop Work Orders and 1 Certificate of Complaint were also issued in 2012.	

Question		Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
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. (S5.C.5.b.vi)	Y			Attachment A. SWMP, p.20.
26a	Number of qualifying permitted development sites that completed construction:		254	Estimated number of commercial building permits, residential building permits, grading permits and private work order permits closed in 2012 meeting permit thresholds based on number of permits reviewed by Environmental Services.	
26b	Number of sites inspected:		251	Estimated number of commercial building permits, residential building permits, grading permits and private work order permits meeting permit thresholds and inspected prior to final completion in 2012 based on number of permits reviewed by Environmental Services. Private work order inspection daily logs are not available for database query. The database tracking system and data entry process is being refined to improve reporting accuracy.	
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. (S5.C.5.b.vi)	Y			Attachment A. SWMP, p.20.
28	Enforced as necessary based on the post-construction inspection. (S5.C.5.b.vi) List the nature of enforcement actions in the <i>Comments</i> field.	Y		Enforcement actions include correction notices, stop work orders, Notices of Violation, fines, and Certificates of Complaint attached to title.	Attachment A. SWMP, p.21.
28a	Number of enforcement actions taken:		0	Permanent erosion and sediment control and stormwater BMPs are inspected prior to issuing Certificate of Occupancy and/or closing the permit and concerns are addressed prior to permitting occupancy or closing the permit.	

Question		Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
29	Implemented an enforcement strategy to respond to issues of non-compliance. (S5.C.5.b.vi)	Y			Attachment A. SWMP, p.21.
30	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. (S5.C.5.b.vi)	Y		Recordkeeping procedures are in place. The database tracking system and data entry process is being refined to improve reporting accuracy.	Attachment A. SWMP, p.21.
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		NOI's made available on City website at www.cityoftacoma.org/govme .	Attachment A. SWMP, p.22.
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. (S5.C.5.b.viii)	Y		The City has been and will continue to provide training to plan review, inspection, and enforcement personnel in the City concerning erosion and sediment control measures and private drainage system operation and maintenance. Tracking to verify formal training opportunities and future training is in the process of being developed.	Attachment A. SWMP, p.22.

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. (S5.C.6.b)	Y			Attachment A. SWMP, p.23; Attachment B4. 2012-2013 Surface Water Capital Improvement Program Summary.
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. (S5.C.6.b)	Y			Attachment B4. 2012-2013 Surface Water Capital Improvement Program Summary.
35	Currently implementing Structural Stormwater Control Program. (S5.C.6.b.i)	Y		This requirement is met by implementation of the Surface Water Capital Improvement Program.	Attachment A. SWMP, p.23; Attachment B4. 2012-2013 Surface Water Capital Improvement Program Summary.

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
S5.C.7 Source Control Program for Existing Development					
36	[Reserved]				
37	Enforced an ordinance, or other enforceable documents, requiring the application of source control BMPs per S5.C.7.b.i.	Y			Attachment A. SWMP, p.26.
38	Implemented an inventory or listing of land uses/businesses using the categories in Appendix 8 to identify sites that are potentially pollution generating. (S5.C.7.b.ii)	Y			Attachment A. SWMP, p.27.
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		The City of Tacoma has used business inspection records over the past 5 years to update the list.	Attachment A. SWMP, p.27; Attachment B3. 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
40	Implemented a program to respond to complaints and to identify other pollutant generating sources, such as mobile or home-based businesses. (S5.C.7.b.ii)	Y			Attachment A. SWMP, p.27.
41	Implemented an audit/inspection program for sites identified pursuant to S5.C.7.b.ii. (S5.C.7.b.iii)	Y			Attachment A. SWMP, p.28.

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:		1909	The total recorded number of business inspections (962), New Device Sign off (102) and complaint/spills (845) was 1909 during 2012 (not including follow-up visits). City staff educates and provides literature (when appropriate) during all inspections and complaint/spill response contacts with businesses and citizens.	
42	During the reporting period, inspected 20% of identified sites in the audit/inspection program established in S5.C.7.b.ii. (S5.C.7.b.iii)	Y		In 2012, number of business inspections (979) constituted 21% of the number of identified potential pollution generating sites.	Attachment A. SWMP, p.28.
43	During the reporting period, inspected 100% of sites identified through legitimate complaints. (S5.C.7.b.iii)	Y			Attachment A. SWMP, p.28.
43a	Number of sites identified through legitimate complaints:		845	The total number of complaints and spills on record during 2012 was 845.	
43b	Number of sites inspected:		845	Number of complaints inspected was 845 (included responding by phone, in some cases.)	
44	Implemented a progressive enforcement policy to require sites to come into compliance with stormwater requirements. (S5.C.7.b.iv) List nature of enforcement actions in <i>Comments</i> field. (S9.E.2.d)	Y		Progressive enforcement for stormwater requirements has been place in the form of Municipal Code 12.08 since 1994. Incremental enforcement actions include: Surface Water Field Inspection Reports with corrective actions, compliance letters, Notices of Violation and civil penalties.	Attachment A. SWMP, p.29.
44a	Number of follow-up actions taken:		176	The number of follow-up actions on record during 2012 was 176 including 83 follow-up business inspections and 93 follow-ups to complaints.	
44b	Number of further enforcement actions taken:		13	The total number of enforcement actions includes (7) Warning letters, (4) Notice of Violations, (1) Civil Penalty and (1) Cost Recoveries.	
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			Attachment A. SWMP, p.29.
45a	Number of violations reported to Ecology:		74	(67) Spills/Complaints and (7) Business Inspection Reports were referred to Ecology via letter or email.	

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)	N		The City has procedures in place to refer cases to Ecology if necessary; however, we have been able to resolve all cases without referring to Ecology.	Attachment A. SWMP, p.29.
46a	Number of referrals to Ecology:		0	All source control violations were resolved without request for assistance.	
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.	Y		This requirement has been met by the current Source Control Program. The training program will be documented to maintain a list of trained staff.	Attachment A. SWMP, p.29.
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			Attachment A. SWMP, p.30.
49	Implemented procedures for addressing pollutants entering the MS4 from an interconnected, adjoining MS4. (S5.C.8.b.i)	Y			Attachment A. SWMP, p.30.
50	Enforced ordinances or other regulatory mechanisms to effectively prohibit non-stormwater, illicit discharges, and/or dumping into the MS4. (S5.C.8.b.ii)	Y			Attachment A. SWMP, p.31.

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. (S5.C.8.b.iii)	Y			Attachment A. SWMP, p.31.
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. (S5.C.8.b.iv)	N		As of February 15, 2009, a program to train all municipal field staff exists and is being implemented. A training video is accessible internally through our city website or available for viewing at staff meetings. Information cards and fleet vehicle windshield clings listing the phone numbers for reporting illicit discharges are being distributed to City staff. Out of the estimated 2,000 municipal field staff who, as part of their normal job responsibilities might come in contact with or otherwise observe illicit connections and discharges, over 650 employees have been trained. Efforts to train remaining staff are ongoing. A G20 Notification was submitted in April 2010.	Attachment A. SWMP, p.32.
53	Provided a publicly-listed hotline or other local telephone number for water quality citizen complaints/reports. (S5.C.8.b.v)	Y		Pollution hotline operated by Citizens for a Healthy Bay: (253)383-2429. In 2012, the hotline received 33 calls.	Attachment A. SWMP, p.33.
54	[Reserved]				

Question		Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
55	<p><u>Cities:</u> Completed field screening of at least 12% of the conveyance systems within the incorporated area.</p> <p><u>Counties:</u> Completed field screening of at least 12% of the conveyance systems in urban/higher density rural sub-basins. (S5.C.8.b.vi)</p>	Y		In 2012, the City completed field screening of over 18% of the stormwater pipe system within the incorporated area using Stormwater Rapid Assessment Program video investigation. Approximately 13% of the connections within the system were also screened using smoke-testing.	Attachment A. SWMP, p.33. Attachment B11. Maps of 2012/13 Illicit Connection Field Screening Completed.
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		As standard procedure, investigations are initiated within 24 hours responding to suspected illicit connections discovered during field activities. Field crews have been instructed to inform their supervisor immediately upon discovery.	Attachment A. SWMP, p.34.
56a	Number of investigations:		11	Of the eleven suspected illicit connections, seven sites were confirmed as sanitary connections to the City storm system.	
57	<p>Upon confirmation of the illicit connection, used enforcement authority to eliminate the illicit connection within 6 months. (S5.C.8.b.vii(2))</p> <p>List nature of enforcement actions in <i>Comments</i> field.</p>	Y		A program exists to use informal enforcement actions to eliminate all known illicit connections discovered through field screening of the City's conveyance systems. Enforcement procedures may include phone calls, reminder letters, follow-up inspections, warning letters, Notices of Violation, and civil penalties.	Attachment A. SWMP, p.34.
57a	Number of enforcement actions:		7	All investigations were resolved through informal enforcement actions.	
57b	Number of illicit connections eliminated:		3	Three of the seven illicit connections were corrected in 2012 and the remaining 4 are expected to be corrected in 2013.	
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			Attachment A. SWMP, p.34.
58a	Number of illicit connections identified as presenting severe threat to human health or the environment:		6	Six of the seven illicit connections were deemed a severe threat to the environment and were reported to Ecology.	

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))	N			Attachment A. SWMP, p.34.
59a	Number of referrals to Ecology:		0	Ecology was notified of all instances of illicit connections without request for assistance.	
60	Participated in a regional emergency response program or implement procedures to investigate and response to spills and improper disposal into the MS4. (S5.C.8.b.viii)	Y		The City's procedures to investigate and respond to spills and improper disposal into the MS4 are described in the SWMP.	Attachment A. SWMP, p.34.
61	Implemented a program to prioritize and investigate complaints/reports or monitoring information that indicate potential illicit discharges, including spills. (S5.C.8.b.viii)	Y		The City's program to prioritize and investigate complaints or monitoring information that indicate potential illicit discharges is described in the SWMP.	Attachment A. SWMP, p.34.
S5.C.9 Operation and Maintenance Program					
62	Implemented 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. (S5.C.9.b.i)	Y			Attachment A. SWMP, p.36.

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
63	Implemented 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. (S5.C.9.b.ii(1))	Y			Attachment A. SWMP, p.37.
64	[Reserved]				
65	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 September 1, 2012, S5.C.9.b.ii(3))	Y		The City of Tacoma Environmental Compliance business inspectors are assigned geographic areas to inspect all known private stormwater facilities. All known facilities were inspected in 2012 and the list was updated based on new information gathered during the initial round of inspections.	Attachment A. SWMP, p.38.
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)).	N		Inspections are performed annually.	Attachment A. SWMP, p.38.

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. (S5.C.9.b.ii(4))	Y		Environmental Compliance inspectors are required to inspect and sign-off on construction of the stormwater treatment and flow control facilities in new residential developments and sign-off on Certificate of Occupancy for all subsequent houses constructed on those new residential developments. So, this inspection requirement is met and exceeded by the frequency of inspections that occur per Tacoma's Stormwater Management Program.	Attachment A. SWMP, p.38.
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			Attachment A. SWMP, p.38.
69	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. (S5.C.9.b.iii(1))	Y			Attachment A. SWMP, p.39.

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).	N		Inspections are performed annually.	Attachment A. SWMP, p.39.
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). (S5.C.9.b.iii(2))	Y			Attachment A. SWMP, p.39.
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). (S5.C.9.b.iv(1))	Y			Attachment A. SWMP, p.41.
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		Inspections are performed annually.	Attachment A. SWMP, p.41.

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. (S5.C.9.b.iv(3))	Y			Attachment A. SWMP, p.41.
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. (S5.C.9.b.v)	Y			Attachment A. SWMP, p.41. Attachment B7.2 2012 Facility maintenance or repair requiring capital construction of \$25,000.
76	[Reserved]				
77	Implemented 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. (S5.C.9.b.vi)	Y			Attachment A. SWMP, p.42. Attachment B12. Regional Road Maintenance ESA Program Quarterly Reports for 2012.

Question		Y/N/NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
78	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. (S5.C.9.b.vii)	Y			Attachment A. SWMP, p.43. Attachment B12. Regional Road Maintenance ESA Program Quarterly Reports for 2012.
79	Implemented an ongoing training program for Permittee employees with primary construction, operations or maintenance job functions that could impact stormwater quality (S5.C.9.b.viii.)	Y			Attachment A. SWMP, p.44.
80	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. (S5.C.9.b.xi)	Y		SWPPPs were developed by Environmental Compliance staff for an updated list of City-owned heavy equipment maintenance or storage yards and material storage facilities in early 2011. Follow-up inspections are being performed on an as-needed basis. As we continue the process of inspecting and evaluating all City-owned facilities for surface water and wastewater impacts, additional City-owned facilities that may require SWPPPs are being evaluated, and SWPPPs for those facilities will be developed, if needed.	Attachment A. SWMP, p.45.

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. (Required between February 16, 2007 and July 31, 2013, S5.C.10.b.i)	Y			Attachment A. SWMP, p.47; Attachment B13. Examples of Education and Outreach Publications distributed during 2012.
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 (Required between February 16, 2007 and July 31, 2013, S5.C.10.b.i)	Y			Attachment A. SWMP, p.52; Attachment B14. 2012 Summary, Measurement and Assessment of Education and Outreach Programs.

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 	NA		This requirement does not apply.	

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)	NA		This requirement does not apply.	
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			Attachment B6. Brief description of stormwater monitoring studies not part of Tacoma's Annual Stormwater Monitoring 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)	NA		This requirement does not apply.	
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		See answers to questions #45 and #58.	
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		See answers to questions #44, #57 and #60.	
S9. Low Impact Development (LID) Reporting					
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).	N		The barriers to LID implementation and actions taken to remove the barriers remain the same as previously reported in the 2010 Annual Report.	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, if applicable
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).	N		No known basin or watershed planning is currently being conducted.	
91	[Reserved]				
S8.C and S8.H Monitoring					
92a	Attached (per Section VIII) the Annual Stormwater Monitoring Report for S8.D (S8.H and S9.E.5).	Y			Attachment C-2. Section S8D Stormwater Monitoring Water Year 2012 Report
92b	Attached (per Section VIII) the Annual Stormwater Monitoring Report(s) for S8.E (S8.H and S9.E.5).	N		The S8.E Monitoring Report was previously completed and submitted with the 2011 Annual Report.	
92c	Attached (per Section VIII) the Annual Stormwater Monitoring Report for S8.F (S8.H and S9.E.5).	Y			Attachment C-3. Section S8F Best Management Practice Evaluation Status Report Water Year 2012
93	Three complete years of data has been collected pursuant to S8.D. (S8.C.1.a) If not complete, enter anticipated completion date in Comments field.	Y			
94	Entered into Ecology's Environmental Information Management (EIM) database all relevant data collected pursuant to S8.D. (Required by July 31, 2013, S8.C.1.a)	NA		This requirement is not yet due.	
95	Targeted Stormwater Management Program Effectiveness Monitoring is complete in accordance with S8.C.1.b. If not complete, enter anticipated completion date in Comments field.	Y		See answer to question # 92b.	

Question		Y/N/ NA	#	Comments (50 word limit)	Name of Attachment & Page #, <u>if applicable</u>
96	Stormwater Treatment and Hydrologic BMP Evaluation Monitoring is complete in accordance with S8.C.1.c. If not complete, enter anticipated completion date in Comments field.	N		Anticipated completion date is July 31, 2013.	
97	Entered into the International Stormwater BMP Database all relevant data collected pursuant to S8.F (Required by July 31, 2013, S8.C.1.c)	NA		This requirement is not yet due.	
98	Stormwater Treatment and Hydrologic BMP Evaluation Monitoring for a Flow Reduction Strategy is complete in accordance with S8.C.1.d. If not complete, enter anticipated completion date in Comments field.	Y		The S8.F.7 Flow Reduction Strategy Monitoring Report was previously completed and submitted with the 2011 Annual Report.	

VII. Annual Report Attachments

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

The 2010 Stormwater Management Program is attached.

B. Program Evaluation and Other Activities Narrative

Attachments to supplement the Annual Report Form are included as noted below. The Table of Contents identifies 15 chapters.

Table of Contents

1. If applicable, notification of any changes to authorization pursuant to G19.C (S9.E.9).

Not Applicable.

2. If applicable, a summary of any actions taken pursuant to S4.F (S9.E.3).

See Attachment B2. Summary of Actions Taken
Pursuant to Permit Section S4F.

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

[See Attachment B3. City of Tacoma Stormwater Management Program Assessment](#)

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)

[See Attachment B4. 2012-2013 Surface Water Capital Improvement Program Summary.](#)

5. Summary of actions taken to comply with applicable TMDL requirements (S9.E.4).

[Not Applicable.](#)

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).

[See Attachment B6. Brief description of stormwater monitoring studies not part of Tacoma's Annual Stormwater Monitoring Report.](#)

7. Operations and Maintenance Records, if applicable

[See Attachment B7. 2012 City Storm System Maintenance Activity Report.](#)

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).

[Not Applicable.](#)

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

[See Attachment B7.2 - Facility maintenance or repair requiring capital construction of \\$25,000.](#)

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.

[Not Applicable.](#)

9. Summaries of Low Impact Development (LID) reporting requirements pursuant to S9.E.10,

[Not Applicable.](#)

[10. City of Tacoma Separate Storm Sewer System \(MS4\) Maps.](#)

[11. Maps of 2012/13 Illicit Connection Field Screening Completed.](#)

[12. Regional Road Maintenance ESA Program Quarterly Reports for 2012.](#)

13. Examples of Education and Outreach
Publications distributed during 2012.

14. Summary, Measurement and Assessment of
2012 Education and Outreach Programs.

C. Annual Stormwater Monitoring Reports

C-1. Thea Foss and Wheeler-Osgood Waterways
2012 Source Control and Water Year 2012
Stormwater Monitoring Report

C-2. Section S8D Stormwater Monitoring Water
Year 2012 Report

C-3. Section S8F Best Management Practice
Evaluation Status Report for Water Year 2012

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

See Attachments C-1 through C-3 for 2012 Annual Stormwater Monitoring Reports.