

CSO Control - An average of one overflow per site per year.

Last Updated 2/1/11

CSO Entity	Compliance Mechanism*	Date to reach control	# CSO Outfalls	# Under Control	Details	Last Approved CSO Reduction Plan	Permit/Order Language	NPDES Permit	Entity Webpage	Planning Documents	Real-time Map
Anacortes	NA	Under Control	3	3	Based on 10 year avg in reduction plan, also meet at 5 year average. Completed projects from 1990 plan, continue reduction projects through 2015 in new plan.	1990, 2010 Approved.	NA	http://www.ecy.wa.gov/programs/wq/p/ermits/permit_pdfs/anacortes/Anacort esWWTP_Permit.pdf	http://www.cityofanacortes.org/WWTP/CSO.htm		
Bellingham	NA	Under Control	2	2	<1/year since 2003.	2006 (Oak Street PS, C Street weir adj)	NA	http://www.ecy.wa.gov/programs/wq/p/ermits/permit_pdfs/bellingham_wwtb/BellinghamWWTP_Permit.pdf	http://www.cob.org/government/departments/pw/projects/wastewater-treatment-facilities-planning.aspx	http://www.cob.org/documents/pw/utilities/comprehensive-sewer-plan.pdf	
Bremerton	Order	Monitoring for Under Control	15	13	Based on 5 year avg (2005-2009). Projects from Order complete, watching averages. Last two years <1 per outfall.	2001?	Order DE 93WQ-N150, Amended 2000 requires completion of projects by December 31, 2011. Projects completed.	http://www.ecy.wa.gov/programs/wq/p/ermits/permit_pdfs/bremerton_wwtb/p/ermit.pdf	http://www.cityofbremerton.com/content/cso_programo/verview.html		
Everett	Permit	2017	13	2 (PSO2, SRO3)	Based on 5yr rolling avg from 2009 annual report	2008 last approved. Submitted 1993, 1996, 2005, 2008.	In order to achieve the greatest reasonable reduction of combined sewer overflows at the earliest possible date, the Permittee must complete the following elements of the approved combined sewer overflow reduction plan. 1. By July 1, 2013, complete monitoring, estimation and overflow weir improvements described in City of Everett 2008 CSO Control Plan Update, Section 6.0 – Updated Five-year Implementation Plan. 2. By July 1, 2013, propose correction projects for all CSO sites which do not meet the performance standard of 1 discharge per year. Include these projects along with a construction schedule in the CSO Reduction Plan Amendment required in Section S11.C. 3. The Permittee must proceed with construction of the Bond Street CSO facilities as City financing allows, with a final compliance date of 2017.	http://www.ecy.wa.gov/programs/wq/p/ermits/permit_pdfs/everett_city2009/EverettWWTP_Permit.pdf	http://www.everettwa.org/default.aspx?ID=1639		http://www.everettwa.org/CSOMap/CSOMap.aspx
King County	Permit for 5 year schedule only.	2030	34	16	20 year moving average	2008?	Permit details projects in schedule for the next 5 years only.	http://www.ecy.wa.gov/programs/wq/p/ermits/permit_pdfs/west_point2009/WestPointWWTP_Permit.pdf	http://www.kingcounty.gov/environment/wastewater/cso.aspx		http://www.kingcounty.gov/environment/wastewater/CSO/RealTime/SeattleOverview.aspx
LOTT	NA	Under Control	1	1	Period for compliance not defined, but have used 1 year.	Compliance achieved - no further reduction planning needed.	NA	http://www.ecy.wa.gov/programs/wq/p/ermits/permit_pdfs/lotl_wrip/lotl_permit.pdf	http://www.lotlcleanwater.org/		
Mount Vernon	Permit and Order	2015	2	0	New permit requires summary of 5-year moving average number of discharges in each annual report. Permit also states we will modify to incorporate performance standards for controlled CSOs after March 2012 based on required report. Those standards will define the averaging period (likely at 5-years).	2002 and 2004 as Comp Plan Updates. Just upgraded capacity at plant to increase wet weather capacity. Separating additional areas.CSO Control Effectiveness Report due end of March 2012. Will assess the need for further reports/plans based on that report. Permit requires development of Post Construction Monitoring Program by Jan 2015. Per webpage document: The Peak Flow Capacity was increased from 12 MGD to 16.5 MGD. The additional hydraulic capacity, as well as provisions for CSO storage, should enable Mount Vernon to meet the (DOE) Order on Consent by 2010. If additional flow capacity becomes necessary to reach this goal, WWTP Phase 2 Upgrade Plans call for the construction of two High Rate Clarification Units (HRC's) by 2014.	Permit requires them to assess expansion and identify alternatives needed (if any) to meet order requirement. C. Compliance Schedule: By March 31, 2012, the Permittee must submit for review and approval a CSO Control Effectiveness Report. The report must assess the effectiveness of the 2009 treatment plant upgrade in reducing CSOs, as determined through wet-weather flow monitoring and modeling. If analysis indicates that the upgrade will not bring the system into compliance with "greatest reasonable reduction" as defined in WAC 173-245-020(22), the Permittee must include in the report alternatives for achieving control by the January 1, 2015 deadline. Ecology may, at its discretion, modify this permit based on the findings in this report to incorporate new compliance schedule milestones or to add performance standards appropriate for controlled CSO outfalls. Order language: shall reduce the cso in its wastewater collection system as outlined in Table I-1 of the Plan and described as "Related to CSO Reduction". Work shall be completed as follows: A. Complete construction of the central interceptor...no later than Dec 31, 2000. B. Provide modulating controller for the motor operated sluice gate upstream from influent pump station no later than Dec 31, 2000. C. Upgrade the Park Street Pump Station with new pumps no later than Jan 1, 2015. D. Upgrade the wastewater treatment plant to provide treatment/storage of CSO flows to reduce overflow events to an average of one per year no later than January 1, 2015.	http://www.ecy.wa.gov/programs/wq/p/ermits/permit_pdfs/mt_ernon_wwtb/MtVernonWWTP_Permit.pdf	http://www.ci.mountvernon.wa.us/page.asp_Q_navigationid_E_224		

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Port Angeles	Permit and Agreed Order NO. 3853 Oct.06, amended July 07	2015	4	0	unknown	CIP Approved 2006, amendment approved 2007	F. Compliance Schedule In order to achieve the greatest reasonable reduction of combined sewer overflows at the earliest possible date, the Permittee must complete the capital improvement projects as per the schedule provided in the Department approved CSO reduction plan.	http://www.ecy.wa.gov/programs/wq/permits/permit_pdfs/port_angeles/portangelespermit.pdf	http://www.cityofpa.us/CSO.htm		
Seattle	Order	2025	92	45	45 under control is based on a 5 year average (2005-2009). Permit now has a 20-year averaging period.	2001 approved, 2005, 2010 approved	* In order to meet the requirements of WAC 173-245-020(22), SPU shall complete construction of CSO reduction projects identified in the 2010 CSO Reduction Plan Amendment or future amendments submitted by the City of Seattle and approved by Ecology to reduce CSOs from the remaining 37 uncontrolled CSO basins down to an average of one overflow per site per year by December 31, 2025. Future CSO Reduction Plan Amendments may not result in a compliance date later than December 31, 2025.	http://www.ecy.wa.gov/programs/wq/permits/permit_pdfs/seattle_cso/Seattle_CSO_Permit.pdf	http://www.seattle.gov/util/Services/Drainage_Sewer/Keep_Water_Safe_Clean/CSO/CSO_ReductionProject/		
Snohomish	2003 U.S. District Court Consent Decree required completion of current project. See note.	Not defined	2	0	Plans and specs due in 2008 for CSO Reduction Plan. Construction underway on new CSO lift station and force mains. Anticipate completion early 2011. City has identified this as their only real control measure. Will address separation over the next decades.	2005 (also 2001 stormwater plan that may not have been approved)	Current permit expires June 2011. Next permit will include stronger language regarding control requirements and expectations for CSO compliance. Note, per document at link: The CSO Reduction Project will build a new pump station and trunkline pipe that will carry the flows to the existing wastewater treatment plant located just west of SR9 for treatment. The untreated overflows to the river will reduced to no more than 1 per year. This work will meet requirements of current state environmental regulation and a 2003 U.S. District Court Consent Decree.	http://www.ecy.wa.gov/programs/wq/permits/permit_pdfs/snohomish_wwtwp/permit.pdf	http://www.ci.snohomish.wa.us/EngineeringPublicWorks.htm	http://www.ci.snohomish.wa.us/PDFs/CSO_Project/CSO%20Flyer%204-8-10.pdf	
Spokane	Permit Also, the City of Spokane and the Sierra Club entered into a Settlement Agreement in 2008 regarding dry weather overflows. Pursuant to the Agreement, eleven CSO regulators prone to dry weather were to be modified. Also, improving CSO-related training and maintenance procedures and enhancing public information and notification were undertaken. The elements of the Agreement are completed and/or on schedule.	2017	22	3	Refer to 2005 CSO Reduction Plan. Link provided under document column.	2005 CSO Reduction Plan	F. CSO Compliance Schedule In order to achieve the greatest reasonable reduction of combined sewer overflows at the earliest possible date, the City shall implement all portions of the approved CSO reduction plan and amendments dated December 4, 1998, March 10, 2000 and any subsequent amendments as approved by Ecology. The following elements of the approved combined sewer overflow reduction plan shall be accomplished in accordance with the following schedule of milestone dates. 1. Implementation of the approved schedule shall begin immediately. 2. No later than December 31, 2017, any discharge of CSO shall meet all final State and Federal requirements applicable to such discharges. 3. Continue CSO discharge monitoring as approved in the October 28, 2008 amendments or subsequent Department of Ecology approved changes to the monitoring plan.. DRAFT permit (dated Sept. 24, 2010). Incorporate significant new CSO requirements. Adopts a 20-year moving average compliance point.	http://www.ecy.wa.gov/programs/wq/permits/permit_pdfs/spokane_awwtp/000SpokaneAWWTPPermit.pdf	http://www.spokanewastewater.org/csoreduction.aspx	http://www.spokanewastewater.org/Docs/CSO/CSO_2005_Reduction_System_Wide_Report.pdf	http://www.spokanewastewater.org/csupdate.aspx

*Compliance Mechanism is the mechanism currently in use to put an end date for complying with "control" of an average of one overflow per site per year.

WAC 173-245-030 Greatest reasonable reduction = control of each CSO in such a way that an average of one untreated discharge may occur per year.