

City of Poulsbo

2012 Update

Stormwater Management Program (SWMP)



draft

AS REQUIRED BY

The Western Washington Phase II Municipal Stormwater Permit
State of Washington Department Of Ecology

PERMIT # WAR04-5537

PUBLISHED MARCH 2012

In association with the
2011 Annual Report to the Department of Ecology

PREPARED BY









**Anya Funk, Stormwater Program Manager
City of Poulsbo Public Works Department**

**Barry Loveless, P.E., Public Works Director
200 NE Moe St. / PO Box 2275
Poulsbo, WA 98370**



THIS PAGE LEFT BLANK INTENTIONALLY

TABLE OF CONTENTS

	INTRODUCTION	1
	1.1 PURPOSE	1
	1.2 BACKGROUND	1
	1.3 STORMWATER MANAGEMENT IN POULSBO	3
	1.4 SWMP REQUIREMENTS	3
	1.5 PERMIT RESPONSIBILITIES AND COORDINATION	4
	1.6 SWMP ELEMENTS	4
	1.7 DOCUMENT ORGANIZATION	4
	PUBLIC EDUCATION AND OUTREACH	5
	2.1 PERMIT REQUIREMENTS	5
	2.2 CURRENT ACTIVITIES	5
	2.3 PLANNED ACTIVITIES	7
	PUBLIC INVOLVEMENT AND PARTICIPATION	9
	3.1 PERMIT REQUIREMENTS	9
	3.2 CURRENT ACTIVITIES	9
	3.3 PLANNED ACTIVITIES	9
	ILLICIT DISCHARGE DETECTION AND ELIMINATION	10
	4.1 PERMIT REQUIREMENTS	10
	4.2 CURRENT ACTIVITIES	10
	4.3 PLANNED ACTIVITIES	11
	CONTROLLING RUNOFF FROM NEW DEVELOPMENT, REDEVELOPMENT, AND CONSTRUCTION SITES	12
	5.1 PERMIT REQUIREMENTS	13
	5.2 CURRENT ACTIVITIES	14
	5.3 PLANNED ACTIVITIES	15
	POLLUTION PREVENTION AND OPERATION AND MAINTENANCE FOR MUNICIPAL OPERATIONS	16
	6.1 PERMIT REQUIREMENTS	16
	6.2 CURRENT ACTIVITIES	16
	6.3 PLANNED ACTIVITIES	17
	MONITORING	18
	7.1 PERMIT REQUIREMENTS	18
	7.2 CURRENT ACTIVITIES	18
	7.3 PLANNED ACTIVITIES	19
	CONCLUSION	20
	8.1 SUMMARY	20
	8.2 RESOURCES	20
	8.3 PHOTO CREDITS	20
	8.4 REQUEST FOR COMMENTS	20
	8.5 CONTACT INFORMATION	21

THIS PAGE LEFT BLANK INTENTIONALLY



Introduction



1.1 Purpose

This document constitutes the *City of Poulsbo 2012 Stormwater Management Program* (SWMP) as required under condition S.5 of the Western Washington Phase II Municipal Stormwater Permit (permit). The permit requires the creation and implementation of a Stormwater Management Program (SWMP) which addresses five required program elements and, when applicable, Total Maximum Daily Load (TMDL) requirements.

The SWMP is designed to reduce the discharge of pollutants from the City's municipal separate storm sewer system (MS4) to the maximum extent practicable and to protect the water quality of local streams and Liberty Bay which receive stormwater runoff from the MS4.

Together with the City's Comprehensive Stormwater Management Plan, the SWMP is used to assist the City in planning, funding, and implementing a comprehensive program for addressing various issues related to stormwater.

1.2 Background

The federal Clean Water Act (CWA) of 1972 established water quality goals for the surface waters of the United States. In 1987, Congress amended the CWA to address stormwater. One of the mechanisms for achieving the goals of the act is the National Pollutant Discharge Elimination System (NPDES) permit program, which is administered by the Environmental Protection Agency. The agency delegated responsibility to administer the NPDES permit program to most states, including the State of Washington Department of Ecology.

[The NPDES Program](#)

The National Pollutant Discharge Elimination System (NPDES) was created with the intent of protecting and restoring water quality in surface waters such as bays, lakes, rivers, and streams in order to support “beneficial uses” such as fishing and swimming. Governmental and private entities wishing to discharge water or wastewater to surface waters regulated by the Federal Government (Waters of

the United States) must obtain permits and comply with certain conditions or face fines and other penalties.

The CWA established a two-phase permit program. Phase I covered large and medium-sized municipalities and counties, construction sites ≥ 5 acres, and major industrial sources. Later, Phase II covered smaller jurisdictions, construction sites ≥ 1 acre, and certain other industrial runoff. In 2000, the Environmental Protection Agency finalized the NPDES Phase II rules regulating "small" municipal separate stormwater sewer systems. The Phase II small jurisdictions, such as Poulsbo, are those with populations less than 100,000 located within, or partially within, an urbanized area and that operate a municipal separate storm sewer system which discharges to a water of Washington State.

In Washington, the Phase I permit was issued in 1995 to the cities of Seattle and Tacoma, as well as King, Pierce, Snohomish and Clark (in 1999) counties. On January 17th, 2007, the Department of Ecology issued a new Phase I permit and two new Phase II permits, one each for Western and Eastern Washington.

[The Western Washington Phase II Municipal Stormwater Permit](#)

The permit is intended to reduce the impacts from both point source and non-point source pollution carried by stormwater. Non-point source pollution, unlike point source pollution from sewage treatment and industrial plants, comes from many diffuse sources. Non-point source pollution is caused by rainfall or snowmelt moving over and through the ground. As the runoff moves, it picks up and carries away natural and human-made pollutants, finally depositing them into lakes, rivers, wetlands, coastal waters, and even our underground sources of drinking water. Some non-point source pollutants that occur in urban areas include:

- Excess fertilizers, herbicides, and insecticides from lawns, gardens, or other landscaped areas
- Oil, grease, and toxic chemicals in runoff from city streets
- Sediment from improperly managed construction sites and eroding stream banks
- Soaps and pollutants from car washing
- Bacteria and nutrients from pet wastes and faulty septic systems

An NPDES permit allows municipalities to discharge stormwater from municipal systems into "waters of the state" subject to specific terms and requirements.

The permit requires programs to be established and implemented which reduce pollutants in stormwater to the “maximum extent practicable”.

The Phase II Municipal Stormwater Permit became effective on February 16, 2007. The permit covers a five-year term with implementation of the program requirements phased over the term. While the actual permit year runs from February 16 to February 15 of the next year, the reporting requirements of the permit cover a calendar year from January 1 to December 31, with an annual report being submitted to the Department of Ecology by March 31 of each year. The annual report documents permit compliance and SWMP activities for each year. The original permit was intended to expire on February 15, 2012; however, a 2011 change by the State legislature directed the Department of Ecology to reissue the existing permit, unchanged, with an expiration date of July 31, 2013. A new 5-year permit will be issued on August 1, 2013.

The Stormwater Management Program

As required by the permit, the Stormwater Management Program document is published annually in association with the annual report to the Department of Ecology. The document will continue to evolve to reflect future permit requirements as well as current and planned activities. The inclusion of planned activities in the SWMP does not guarantee that they will be implemented exactly as described; however, the City of Poulsbo is committed to attain full compliance with the permit, maintain current activities, and implement future activities to the maximum extent possible with available funding and staff resources.

1.3 Stormwater Management in Poulsbo

Poulsbo has a population of approximately 9,245 and an area of approximately 4.6 square miles. The natural drainage system consists of the Dogfish, Lemolo, Johnson and Bjorgen Creek basins, as well as several other basins that discharge directly to Liberty Bay.

The City established a dedicated funding mechanism for stormwater management with the creation of a stormwater utility in 1981 (ORDINANCE 81-25). As part of the City's Comprehensive Plan, a Capital Improvement Plan (CIP) for stormwater is developed and routinely updated to address needed stormwater infrastructure improvements.

The Phase II permit is administered under the supervision of the Public Works Director. The Stormwater Division of the Public Works Department manages and maintains the City's stormwater collection and conveyance system. The Engineering Division of the Public Works Department manages CIP projects and

reviews plans and inspects the construction of stormwater facilities associated with private development.

1.4 SWMP Requirements

The permit outlines stormwater program activities and implementation milestones that permittees must follow to comply with the federal Clean Water Act. Permittees must:

- Develop a Stormwater Management Program (SWMP) that includes all of the required activities in the permit and is designed to reduce the discharge of pollutants to the maximum extent possible;
- Implement those activities within the required timeframes of the permit term; and
- Submit annual reports to the Department of Ecology by March 31st of each year to document progress toward complete program implementation in the previous calendar year. The SWMP update document is submitted to the Washington State Department of Ecology with the Annual Report. The SWMP is revised each year to update the previous year's program document. The Annual Report and SWMP are posted on the City's website.

1.5 Permit Responsibilities and Coordination

The City of Poulsbo Public Works Director is responsible for permit implementation and program management. Some activities and responsibilities are delegated to other departments when appropriate; however, the Public Works Director maintains oversight to insure that permit requirements are met.

The City also cooperates and coordinates with neighboring jurisdictions and regional partners to maximize permit implementation opportunities.

1.6 SWMP Elements

The permit requires the City to conduct activities and implement programs in the following areas:

- Public Education and Outreach
- Public Involvement and Participation

- Illicit Discharge Detection and Elimination
- Controlling Runoff from New Development, Redevelopment, and Construction Sites
- Pollution Prevention and Operations and Maintenance for Municipal Operations
- Monitoring

1.7 Document Organization

This document is organized to correspond with the sequence of the permit elements that must be addressed in the SWMP. Each permit element is identified by title and permit element number and is followed by the permit requirements and the City's current and planned activities. Current activities include ongoing activities that were implemented in previous years.



Public Education and Outreach

Permit Requirement S5.C1



2.1 Permit Requirements

- Develop education and outreach programs that are designed to reduce or eliminate behaviors and practices that contribute to or cause adverse stormwater impacts.
- Measure changes in the understanding and adoption of behaviors by targeted audiences and use that information to evaluate programs for effectiveness.
- Prioritize and address the target audiences and subject areas listed in the permit on stormwater issues and practices currently existing.

2.2 Current Activities

- In 2008, the City of Poulsbo partnered with Kitsap County (as the lead agency), the cities of Bremerton, Port Orchard, and Gig Harbor, and local Navy bases through an Inter-Local Agreement (ILA) to create the Kitsap Peninsula Clean Runoff Collaborative (KPCRC). The ILA provides a mechanism for the members to pool resources for the development, implementation, and funding of stormwater education and outreach. Coordination among permittees with adjoining or shared geographic areas is encouraged by the Department of Ecology and enhances access to federal, state, and other financial and technical support. Kitsap peninsula residents share media sources and would benefit from consistent messaging across city and county boundaries. The ILA allows an increase in municipal resource efficiency and cost savings through the sharing of expertise, expenses, and staff time to gain economies of scale and avoid duplication of efforts.

In 2012, the cities of Bainbridge Island and Port Angeles joined the partners and the group name changed to the West Sound Stormwater Outreach Group (WSSOG). The name change better represents the regional scope of the members and is consistent with the naming of other Stormwater Outreach Groups (SOGs) throughout the Puget Sound region.

- As the lead agency of WSSOG, Kitsap County represents the City of Poulsbo and the other WSSOG members in the Puget Sound STORM (STormwater Outreach

for Regional Municipalities) coalition. STORM is a partnership of regional governments dedicated to improving water quality in Puget Sound and our local lakes, rivers and streams. The partnership is a consortium of 57 cities and counties and includes the Puget Sound Partnership and Washington State Department of Ecology.

STORM received a Department of Ecology grant to implement a broad-reaching media campaign, called Puget Sound Starts Here, focusing on yard care, pet care, and car care. The regional education efforts of STORM and the local education efforts of the WSSOG are being designed and implemented to coordinate with, and complement, each other.

- In 2008, the WSSOG contracted with Elway Research, Inc. to conduct a random-sample telephone survey of Kitsap peninsula residents to assess their awareness, attitudes, and behaviors with regard to various water quality issues. The results of the survey are used to prioritize topics and systematically target public education efforts and provide a baseline for the evaluation of program effectiveness. WSSOG educational efforts are designed to allow for measurement of improvements in the target audience's understanding and actions regarding stormwater pollution prevention.

In 2011 a follow-up survey was completed to evaluate changes in the attitudes and behaviors of residents since the 2008 survey. The information gained from the follow-up survey is used to gain a better understanding of the effectiveness of the education and outreach conducted since the 2008 survey.

- When appropriate, focus groups are conducted to discover how best to communicate about stormwater issues.
- The City participates in the "Mutt Mitt" program administered by the Kitsap County Surface and Stormwater Management Program. Mutt Mitt stations which dispense pick-up bags for dog waste can be sponsored by:
 - Neighborhood groups, involved homeowner associations, and apartment complexes
 - Port districts and marinas
 - Volunteer or non-profit groups with maintaining public trails, beaches or other public facilities
 - Golf courses
- A storm drain marker program, initiated in 2009, is on-going with the intent to install markers throughout the City.
- Development or adaptation of educational handouts is on-going. A pressure washing brochure and a water quality fact sheet were produced in 2011.

- Collaborative efforts with other entities such as Kitsap County Public Works Solid Waste Division, Kitsap County Surface and Stormwater Management, and the local ECO Net partner (Stillwaters Environmental Education Center) resulted in the distribution of stormwater educational materials on topics such as proper paint disposal and general stormwater pollution awareness.
- General illicit discharge education was provided city-wide via a mailer to satisfy Permit Section S5.C.3.
- Limited distribution of materials was provided to individuals and specific small groups of people in response to water quality incidents.
- The Local Source Control (LSC) program of the Kitsap County Solid Waste Division provides technical assistance to businesses that will help them prevent pollution and properly manage any waste they generate. The City cooperates with the LSC program by providing requested information and recommendations for contacts.

2.3 Planned Activities

- Sequentially address prioritized target audiences and subject areas.
- In association with WSSOG, develop campaigns for "backyard" pet waste management, car care, natural lawn care, and illicit discharge awareness and education.
- Provide updated and enhanced educational materials on pet waste to citizens obtaining or renewing pet licenses.
- In association with WSSOG, develop and distribute a brochure which provides the results of the stormwater awareness, attitudes, and behaviors survey.
- Add and update stormwater information pages and links on the City's website.
- Expand the storm drain marker program to additional neighborhoods and commercial properties.
- Participate in Puget Sound Starts Here regional education program as administered through the STORM coalition (STormwater Outreach for Regional Municipalities).
- In association with WSSOG, implement additional outreach and advertisement of the spill reporting hotline.

- Initiate additional educational outreach to the local business community informing business owners and their employees of their responsibilities related to water quality protection. Development of a Best Management Practices Manual for Businesses is planned as an initial step to facilitate this effort.
- As the Illicit Discharge Detection and Elimination program becomes mature and established, and staffing and funding allows, a business recognition program may be developed which is aimed at promoting those businesses that are taking active steps to protect water quality.

DRAFT

3

Public Involvement and Participation

Permit Requirement S5.C.2



3.1 Permit Requirements

- Create opportunities for public involvement through advisory councils, watershed committees, participation in developing rate structures, stewardship programs, environmental activities, or other similar activities. The public must be provided with opportunities to participate in the decision-making processes involving the development, implementation, and update of the SWMP.
- Make the SWMP and Annual Report available to the public, including posting on the City's website.

3.2 Current Activities

- Public hearings are held for any proposed stormwater utility rate structure revisions and Comprehensive Plan updates or amendments.
- Opportunities for citizen comments are available at meetings of the City Council, Planning Commission, and Public Works Committee (a sub-committee of City Council members and staff), and the City website.
- The Mutt Mitt program provides an opportunity for citizen sponsors to provide education to pet owners and reduce water pollution.
- The Annual Report, SWMP, and Comprehensive Land Use Plan are posted on the City's website. Notice is given on the website requesting comments on the SWMP.
- Solicit public comment on the SWMP on the City website.

3.3 Planned Activities

- Develop additional public involvement and participating opportunities when appropriate or applicable and when funding and staffing resources are available.



Illicit Discharge Detection and Elimination (IDDE)

Permit Requirement S5.C.3



4.1 Permit Requirements

- Develop an ongoing program to detect and remove illicit connections, discharges and improper disposal including spills into the municipal stormwater system.
- Develop a municipal storm sewer map that includes attributes for stormwater outfalls and notes receiving waters.
- Adopt and implement an ordinance to prohibit non-stormwater discharges, spills, illicit connections, and illegal dumping into stormwater systems.
- Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste, and publicize a hotline phone number for the public to report spills, dumping, and illicit discharges.
- Adopt and implement procedures for program evaluation and assessment which includes spill tracking, inspection tracking, and feedback from public education efforts. A summary of this information shall be included in the annual report.
- Provide training for municipal field staff on the identification and reporting of illicit discharges in the stormwater system.

4.2 Current Activities

- The Kitsap County Health District received a Stormwater Management Implementation Grant from the Department of Ecology which enables the Health District to partner with the City, through an Inter-Local Agreement (ILA), to assist with development of the City's IDDE program for commercial property illicit discharge inspection, detection, elimination, and education. Program development activities began in September 2009 and were complete in 2011. The work done with this project will be carried forward under the post construction maintenance program which will replace the commercial property inspection IDDE program in 2012.

- The IDDE Program Manual was completed in October, 2010. Revisions and enhancements will be on-going.
- The City has an existing comprehensive map of the stormwater system; however, to provide additional benefits to the stormwater program and to conform to the preferred formatting by the Department of Ecology, the mapping is being converted to a GIS-based system. Activities in support of this requirement began in 2009. Data collection was substantially completed in 2011. Maps will be completed in 2012.
- Reports of spills and illicit discharges are investigated. Appropriate actions are taken depending on the nature of the event.
 - The IDDE ordinance enacted in 2009, in accordance with permit requirements, provides a mechanism for enforcement against dischargers (ORDINANCE 2009-4, EFFECTIVE 3-18-2009).
 - A spill and illicit discharge documentation and tracking system is in operation.
- A telephone hotline for reporting spills and illicit discharges has been instituted, advertised, and is in operation [KITSAP ONE HOTLINE: 360-337-5777].
- Public employees, businesses, and the general public have been, and will continue to be, informed of hazards associated with illegal discharges and improper disposal of waste in accordance with permit requirements.
- Employee training has been instituted on the identification and reporting of illicit discharges and connections. New or additional training is provided when appropriate.
- Dry-weather outfall screening and follow-up investigations are performed annually.

4.3 Planned Activities

- Continue program development & implementation, mapping activities & staff training.
- Refine enforcement policies and procedures when necessary or appropriate.

- Develop and distribute public education materials, including additional hotline outreach/advertisement. Some of the education and outreach will be conducted in association with WSSOG programs (see Section 2.2).
- Continue dry-weather outfall screening.

DRAFT

5

Controlling Runoff from New Development, Redevelopment, and Construction Sites

Permit Requirement S5.C.4



5.1 Permit Requirements

- Adopt an ordinance that addresses runoff from new developments, redevelopment and construction sites which includes the following:
 - Minimum stormwater designs standards that are equivalent to the Department of Ecology's 2005 Stormwater Management Manual for Western Washington.
 - A site planning process and Best Management Practice (BMP) selection and design criteria that protects water quality, reduces pollutant discharges to the maximum extent practicable, and applies all known, available, and reasonable methods of prevention, control and treatment prior to discharge.
 - The legal authority, through the approval process for new development, to inspect private stormwater facilities that discharge to the City's stormwater system.
 - Provisions to allow for non-structural preventative actions and source reduction practices such as Low Impact Development (LID) techniques, measures to minimize the creation of impervious surfaces, and measures to minimize the disturbance of native soils and vegetation.
- Implement a program to review plans, inspect construction sites, and take enforcement action against those failing to meet the required standards.
- Adopt an ordinance that addresses maintenance responsibility, maintenance standards, inspection requirements and procedures, and enforcement provisions to insure the long-term operation and maintenance of permanent stormwater control facilities constructed after the effective date of the ordinance.

- Keep records of inspection, enforcement, and maintenance activities associated with new development, redevelopment and construction sites.
- The program shall make copies of the "Notice of Intent for Construction Activity" and "Notice of Intent for Industrial Activity" available to representatives of proposed new development and redevelopment.
- Continue to enforce local ordinances controlling runoff from sites that are also covered by stormwater permits issued by the Department of Ecology.
- Provide training for staff on new and revised regulations, standards, processes and procedures.

5.2 Current Activities

- Stormwater runoff from new development, redevelopment, and construction sites is controlled in accordance with the Stormwater Management Manual for the Puget Sound Basin (2005) and the minimum requirements, technical thresholds, and definitions in Appendix 1 of the NPDES permit (ORDINANCE 2010-01, EFFECTIVE 2-3-2010 AND ORDINANCE 2010-02, EFFECTIVE 2-3-2010).
- Site plans are reviewed for elements that show that Best Management Practice (BMP) selection and design criteria have been applied that protects water quality, reduces pollutant discharges to the maximum extent practicable, and applies all known, available, and reasonable methods of prevention, control and treatment prior to discharge.
- Legal authority for the inspection of privately-maintained facilities is in effect through the development review process. (ORDINANCE 2010-01, EFFECTIVE 2-3-10).
- Provisions to allow for non-structural preventive actions and source reduction practices (e.g. Low Impact Development) are in place. (POULSBO MUNICIPAL CODE 18.80 - ZONING AND POULSBO MUNICIPAL CODE 12.02 – CONSTRUCTION AND DEVELOPMENT STANDARDS).
- The City's permitting process includes plan review, inspection, and enforcement capabilities in accordance with the permit.
- Long-term operation and maintenance of permanent stormwater control facilities is provided for by ordinance whereby maintenance responsibility, standards, inspection requirements, and procedures are addressed.

- The City maintains records of inspection, enforcement, and maintenance activities. Record-keeping procedures have been evaluated and revised as necessary for compliance with permit requirements.
- Copies of the "Notice of Intent for Construction Activity" and "Notice of Intent for Industrial Activity" are available to representatives of proposed new development and redevelopment at the City Hall permit counter. The requirement for the permit and its availability are also made known to applicants via pre-application summary letters and in the stormwater chapter of the City's published Construction Standards and Specifications.
- Runoff-control from sites which are governed by a stormwater permit from the Department of Ecology are also subject to City runoff-control requirements (POULSBO MUNICIPAL CODE 13.18 AND 15.35).
- All appropriate staff members have training on erosion control, construction inspections, low impact development techniques, and stormwater design standards and practices. Appropriate staff are also CESL-certified (Construction Site Erosion and Sediment Control Lead).

5.3 Planned Activities

- Continue staff training as necessary or appropriate.
- Develop an inspection and maintenance program, including a maintenance manual, for commercial/private facility sites which were approved prior to sites which are subject to NPDES requirements.



Pollution Prevention and Operations and Maintenance for Municipal Operations

Permit Requirement S5.C.5.



6.1 Permit Requirements

- Establish maintenance standards that are as protective, or more protective, as those specified in the 2005 Stormwater Management Manual for Western Washington.
- Perform inspections of municipally owned or operated water quality treatment and flow control facilities and catch basins at the frequencies specified by the permit.
- Establish and implement practices to reduce stormwater impacts associated with runoff from municipally owned or maintained streets and parking lots and from street maintenance activities.
- Establish and implement practices to reduce pollutants in runoff from all lands owned and maintained by the City.
- Develop and implement an on-going training program for City staff whose job functions may impact stormwater quality.
- Develop and implement a Stormwater Pollution Prevention Plan for all heavy equipment maintenance or storage yards and material storage and material storage facilities owned or operated by the City.
- Maintain records of inspections and maintenance or repair activities.

6.2 Current Activities

- The maintenance standards specified in the *2005 Stormwater Management Manual for Western Washington* are applied to all maintenance activities.
- Water quality treatment and flow control facilities are inspected, cleaned, and repaired in accordance with the permit.

- A catch basin inspection and cleaning program is in place.
- The City's Operations and Maintenance (O&M) Program takes steps to minimize pollutants in runoff from City activities as prescribed in the Endangered Species Act (ESA) Regional Road Maintenance Program guidelines.
- Training is achieved through on-the job skill training by peers/supervisors, classroom-type O&M training, and related education associated with Illicit Discharge Detection and Elimination training.
- A Stormwater Pollution Prevention Plan (SWPPP) is in place for all heavy equipment maintenance or storage yards and material storage facilities owned or operated by the City.
- Records of inspections, maintenance, and repair activities are maintained.

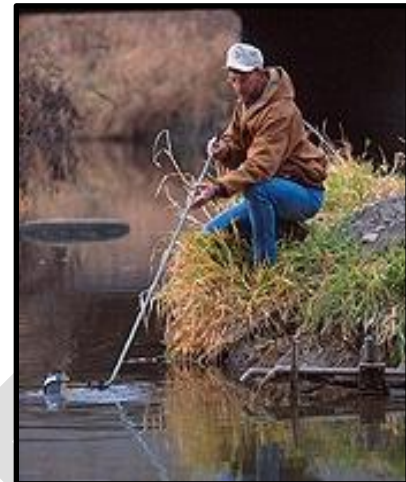
6.3 Planned Activities

- Review of inspection, maintenance, repair, and record-keeping practices is ongoing. If necessary, revisions or enhancements will be made for improved program function and/or permit compliance.
- Lands owned or maintained by the City will be periodically evaluated for their contribution to run-off pollution. Reduction practices will be established and implemented as necessary.
- The City has currently adopted the O&M standards of the 2005 Department of Ecology Stormwater Management Manual for Western Washington. Development of an O&M manual which incorporates the Ecology standards as well as elements and procedures specific to Poulsbo is planned.
- Additional training of staff will be provided when appropriate or necessary.



Monitoring

Permit Requirement S8



7.1 Permit Requirements

- Permittees are not required to conduct water quality sampling or other testing during this permit term, with the following exceptions:
 - Water quality monitoring required for compliance with TMDLs [Total Maximum Daily pollutant Loads].
 - Any sampling or testing required for characterizing illicit discharges pursuant to the Illicit Discharge Detection and Elimination section of the permit.
- Permittees are required to prepare for the implementation of a comprehensive long-term monitoring program under the next permit term. The program includes two components: stormwater monitoring and targeted SWMP effectiveness monitoring.

7.2 Current Activities

- No monitoring for TMDLs has been undertaken because TMDLs have not been established for Poulsbo at this time. The Department of Ecology is currently conducting a TMDL analysis of the Liberty Bay watershed. An approved TMDL has not been issued
- No monitoring for illicit discharges has been undertaken because no illicit discharges have occurred which required characterization.
- Long-term monitoring applies to cities with a population greater than 10,000; therefore, Poulsbo, with a population of 9245, is exempt at this time.
- As required by the permit, the proposed SWMP effectiveness monitoring plan was included in the 2010 annual report to the Department of Ecology.

7.3 Planned Activities

- After the current NPDES permit was issued to Phase II communities, in 2007 the Washington State Legislature directed the Department of Ecology to *"...facilitate the development of an ongoing monitoring consortium with the goal to integrate ongoing monitoring efforts for stormwater, water quality, watershed health, and other state indicators and enhance monitoring efforts in Puget Sound... ...During the same session, the Legislature created both the Puget Sound Partnership, with broad monitoring duties and responsibilities related to Puget Sound ecosystem recovery, and the Washington Forum on Monitoring, with statewide monitoring coordination and oversight duties. The Puget Sound Monitoring Consortium has been providing recommendations and briefings to the Partnership, and briefing the Forum on its activities and recommendations."* [EXECUTIVE SUMMARY OF THE DECEMBER 10, 2008 REPORT TO THE WASHINGTON STATE LEGISLATURE BY THE PUGET SOUND MONITORING CONSORTIUM].

The draft 2013-2018 permit includes monitoring requirements that may be fulfilled by either participating in a Regional Stormwater Monitoring Program, whereby the permittee enters into an agreement with the Department of Ecology and pays annual fees for monitoring activities to be performed on behalf of the permittee, or the permittee may perform the monitoring subject to requirements stated in the permit. Poulsbo will participate in the Regional Stormwater Monitoring Program during the next permit term.

- Compliance with TMDL requirements will be addressed under the next permit term (2013-2018) when a Water Quality Improvement Plan will be issued by the Department of Ecology.



Conclusion



8.1 Summary

This SWMP has been prepared to demonstrate compliance with the requirements of the NPDES Phase II Permit. In conformance with the permit, it is updated annually to reflect progress with implementing the stormwater management program components required for compliance.

8.2 Resources

Links to the current Annual Report, Stormwater Management Program, and Phase II NPDES permit can be found on the stormwater management page of the City's website at:

www.cityofpoulsbo.com/publicworks/publicworks_stormwater_management.htm

Printed copies are available for a per-page cost and may be requested by calling the Public Works office.

8.3 Photo Credits

Page 1: City of Poulsbo stock photos, Nick Hoke, photographer

Page 8: Courtesy of NRCS, Lynn Betts, photographer

Page 15: Courtesy of USDA, Keith Weller, photographer

All others: City of Poulsbo stock photos

8.4 Request for Comments

The public is encouraged to participate in the development of the SWMP. Please contact the Public Works Department with questions, comments, or suggestions. The SWMP may be viewed at the Public Works office at City Hall or on-line at:

www.cityofpoulsbo.com/publicworks/publicworks_stormwater_management.htm

Comments may be submitted at any time; however, the formal comment period for the 2012 SWMP is January 9, 2012 through February 13, 2012.

8.5 Contact Information

Mail: City of Poulsbo Public Works
PO Box 2275
Poulsbo, WA 98370

Phone: 360-779-4078
E-mail: publicworks@cityofpoulsbo.com
Website: www.cityofpoulsbo.com

DRAFT