

Section Four – City of Fairview Summary of Program Monitoring

Municipal National Pollutant Discharge Elimination System Annual Report for Permit Year 13, Permit #101315, November 1, 2008

Executive Summary

The City of Fairview (City) manages the stormwater system with the goal of reducing pollutants to the maximum extent practicable, preventing flooding and enhancing natural resources. The City is a co-permittee with the City of Gresham and Multnomah County on the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit (#101315).

This Permit Year (PY) 13 Annual Report documents implementation activities from July 1, 2007 through June 30, 2008 within the city limits of Fairview. Activities include, but are not limited to, the Best Management Practices (BMP) contained within the Stormwater Management Plan (SWMP). The status of the BMP's and adaptive management are summarized in the table that follows. Section 2 of this report summarizes the Environmental Monitoring Program that is conducted by the City of Gresham on behalf of the City of Fairview and Multnomah County.

There are no Urban Growth Boundary expansion areas contiguous to the City of Fairview. Consequently there are no associated concept planning, land use changes or new development activities to report for PY 13.

Program Activity Highlights

Component #1– Structural and Source Control BMPs to Reduce Pollutants from Commercial and Residential Areas

During PY 13, City staff worked with a consultant, Brown and Caldwell, to develop the Consolidated Stormwater Master Plan (CSMP). The CSMP combined all needed infrastructure improvements, including retrofit opportunities and federal and state water quality requirements into one comprehensive document. Twenty-eight projects (eleven of these on private properties or within Multnomah County right-of-way) were developed to address water quantity and quality issues. These were identified utilizing hydrologic and hydraulic modeling as well as information from the total maximum daily load regulatory program and the NPDES stormwater discharge permit. Public Works staff began implementation of the Stormwater System Operations and Maintenance manual including documentation of activities to monitor required maintenance frequency. Major maintenance of a stormwater detention pond and swale were completed including sediment removal, regrading and native grass restoration. Building permit plan reviews were completed for conformance with stormwater quality regulations.

Component #2– A Program to Detect and Remove Illicit Discharges and Prevent Improper Disposal into the Storm Sewer System

City staff worked cooperatively with DEQ to identify an illicit discharge, investigate the source and provide information for the enforcement of DEQ regulations at 23303 NE Sandy Blvd. DEQ issued a civil penalty and the City allowed connection to the sanitary sewer system to eliminate the discharge of berry processing water to a local creek.

Component #3– A Program to Monitor and Control Pollutants in Stormwater Discharges from Industrial and Commercial Facilities

Staff developed an Industrial and Commercial Facility Inspection procedure to detect and eliminate illicit discharges from industrial and commercial facilities and a database to track inspections and follow-up activities. Facility inspections are prioritized by the potential to contribute pollutant loads, illicit discharge reports, customer contact and outcome of annual inspection of downstream outfall. During the preparation of this annual report staff queried the Oregon Department of Environmental Quality database for all NPDES permits issued within the Fairview boundary.

Component #4– A Program to Reduce Pollutants in Stormwater Discharges from Construction Sites

Copies of DEQ issued NPDES 1200C permits are required to be submitted along with City of Fairview erosion control permit applications for sites one acre or larger. The City's erosion control inspector performs an initial inspection at all construction sites disturbing 500 square feet or greater and maintains a database of the status of all City erosion control permits issued.

Component #5– Public Education

Staff made a presentation at the Fairview Lake Property Owner Association annual meeting discussing the City's stormwater programs. The presentation focused primarily on the Consolidated Stormwater Master Plan's conveyance and water quality projects. The City funded the Columbia Slough Watershed Council "Slough School" to lead field trips for Woodland Elementary School second graders through Salish Ponds Wetland Park and present hands-on classroom demonstrations. The primary goal of Slough School is to increase awareness and understanding of the causes and effects of pollution in the Columbia Slough Watershed and to teach specific actions that individuals can take to protect and enhance their local watershed.

The annual Spring Clean Up event held on May 3, 2008 was, as staff stated over and over, "...like nothing we have ever seen before...". Seven city staff members unloaded metal, garbage, appliances, mattresses, couches and numerous other items without a break for six straight hours. Public Works crews collected 270 yards of garbage, 60 yards of scrap metal, 152 tires, 27 appliances, electronic appliances, furniture and 28 barbeque grills. There was participation by 140 Fairview households in this event.

A stormwater informational insert was included in the annual Public Works Newsletter sent to all property owners in the City. The insert discussed the effects of pet waste on our waterbodies, City code for regulating pet waste and ways to properly dispose of it. In addition, contact information was provided for the reporting of illegal discharges of pollutants to the storm system.

Stormwater Management Program Budget

City of Fairview Stormwater Management program costs for Permit Year 13 are primarily associated with the Department of Public Works.

Stormwater fund expenditures and anticipated budget allocations incorporate wages and benefits, operating materials, equipment repair/maintenance, water testing (NPDES compliance), storm water disposal (NPDES permitting), improvements, and general administration.

Street fund expenditures and anticipated budget allocations incorporate wages and benefits, operating materials, maintenance services (including IGA with Multnomah County), equipment repair/maintenance, improvements, traffic calming, footpaths and bike trails, and general administration.

The table below outlines fund expenditures for PY 13 and provides the anticipated budget for Permit Year 14, (Fiscal Year 2008-2009).

Table 4-1

Program Area	PY 13 Expenditures	PY 14 Anticipated Budget
Stormwater Fund	\$434,513	\$680,000
Street Fund	\$607,494	\$772,630

**CITY OF FAIRVIEW BEST MANAGEMENT PRACTICES
2007-2008 Annual Report**

BMP descriptions	Permit year	BMP implementation	Performance measures	Status 2007-2008	Proposed Adaptive Management Modification
O&M plan	Ongoing	<p>Implementation Activities: Over the next permit term, the City will develop an O&M Plan for stormwater infrastructure. The plan will maximize water quality benefits while maintaining flood capacity; incorporate methods to evaluate effectiveness; provide a means of recording the observations of field inspection and maintenance personnel; and define procedures to locate and eliminate the source of pollutants.</p>	Develop an O&M Plan by June 2007.	Private Stormwater Facility Inspection, Public Reporting and Industrial and Commercial Facility Inspection procedures were added to the Stormwater O&M manual.	Update the manual by adding and modifying procedures and forms as necessary.
Maintenance frequency	Ongoing	<p>Implementation Activities: Perform maintenance as stated in the O&M Plan (expected to be formalized by June 2007). Maintenance includes cleaning inlets, catch basins and storm sewers, sedimentation manholes, channels and stormwater retention basins in areas where sediment and/or debris tend to accumulate. The City reviews maintenance frequency during preparation of the Annual Report to DEQ, and employs adaptive management to improve effectiveness of maintenance activities where appropriate.</p>	Review maintenance frequency and employ adaptive management annually.	Public Works staff completed field reports to document and track maintenance activities. Major maintenance of a stormwater detention pond and swale was completed.	No modification
Development review	Ongoing	<p>Implementation Activities: Implement and enforce regulations which give legal authority to 1) require site-drainage designs and systems which address water quality; and/or 2) minimize the total volume of runoff and the peak rate of runoff, where local conditions permit.</p> <p>The City implements these regulations through its Community Development Department and Public Works Department. New development and redevelopment projects are reviewed for conformance to the following existing City regulations:</p> <ul style="list-style-type: none"> • Fairview Comprehensive Plan, June 2004—provides the guiding direction to protect the natural environment and ensure that long-term growth does not adversely affect the natural resources. • Community Development Department—Land Use and Building Permits; Land Use Code Enforcement. • Title 19, Development Code—requires accommodation and treatment of stormwater runoff and system installation conforming to standards and specifications adopted by the City. • City of Fairview Standard Specifications for Public Works Construction • City of Portland Stormwater Management Manual (adopted by the City of Fairview) 	Track the number of permits, new land use and acreage of development projects.	Six new SFR building permits were issued for redevelopment of 1.03 acres of residential property; four commercial redevelopment building permits were issued for 4.93 acres.	No modification

BMP descriptions	Permit year	BMP implementation	Performance measures	Status 2007-2008	Proposed Adaptive Management Modification
Enforce regulations	Ongoing	Implementation Activities: Require plans at the time of permitting for stormwater facilities related to new private development and redevelopment/retrofitting. Conduct inspections and regular follow-up during and after construction to ensure that approved O&M plans are being followed.	Track inspections.	Developed a Private Stormwater Facility Inspection procedure in the O&M Manual including priorities for inspections and a tracking database. Inspections are prioritized based on the potential to contribute pollutant loads, illicit discharge reports, customer contact and outcome of annual inspection of downstream outfall.	No modification
Design standards	Ongoing	Implementation Activities: Follow the Standard Specifications for Public Works Construction which requires treatment of stormwater runoff through the use of BMPs as specified in the City of Portland Stormwater Management Manual.	Inventory and maintain database of BMPs that are implemented	Electronic mapping and BMP database updated during preparation of the annual report to DEQ, including 1 new public infiltration swale and 1 private swale and 3 private stormfilters.	No modification
Right of way - O & M	Ongoing	Implementation Activities: The City contracts with Multnomah County for road maintenance that includes street sweeping, roadside mowing and brushing and pavement maintenance. The maintenance program is substantially similar to, and at least as protective as, the ODOT Routine Road Maintenance program approved under the current 4(d) limit.	Track and report management of rights-of-way.	Road maintenance provided through IGA with Multnomah County.	No modification
Street sweeping	Ongoing	Implementation Activities: The City contracts with Multnomah County for street sweeping (approximately 6 times per year). The frequency is based on weather conditions, road conditions and funding.	Track and report miles of street swept annually.	Approximately 50 miles of streets were swept.	No modification
De-icing activities	Ongoing	Implementation Activities: Sand and gravel are applied to roadway surfaces to assist with traction. The sand is removed and recycled as soon as possible after the snow or ice event, typically within five days of safe conditions.	Track and report annually.	No sand or gravel was applied.	No modification
Retrofit of public drainage facilities	2007	Implementation Activities: The City hired a consultant to review the existing stormwater system to look for retrofit opportunities based on the new NPDES requirements. The City will include these recommendations in the CIP Program.	Document projects that are added to the CIP or are completed.	Six retrofit projects and three revegetation projects have been added to the Capital Improvement Program .	No modification

BMP descriptions	Permit year	BMP implementation	Performance measures	Status 2007-2008	Proposed Adaptive Management Modification
Update stormwater CIP	2007	Implementation Activities: Update the stormwater section of the CIP, to reduce the risk of flooding and improve water quality in proposed and existing stormwater drainage and flood control projects. Evaluate opportunities to retrofit already constructed drainage and flood control structures to provide stormwater quality treatment. Assess project feasibility; develop and apply prioritization process; and develop cost estimates.	Track the number of projects that are added to the CIP or are completed.	The Consolidated Stormwater Master Plan was uadopted in December 2007. Seventeen City projects were developed to address water quality and quantity issues.	No modification
Track municipal landfills	Ongoing	Implementation Activities: Keep copy of stormwater permits and any related reports from municipal landfills on file. The City has only one industry, Allwood Recyclers, Inc., that qualifies as a municipal landfill. The City will perform an inspection and enforce the illicit discharge program.	Track number of municipal landfill permits in the City.	Allwood Recyclers, Inc. remains the only municipal landfill within the City.	No modification
Native vegetation	Ongoing	Implementation Activities: Encourage the use of native vegetation on private and public property to reduce the need for fertilizers, pesticides, and herbicides. Planting and landscape policies for riparian buffer areas encourage use of vegetation (indigenous or imported) that is self-sustainable without the need for pesticides or herbicides. Riparian buffer permits are issued for alterations to the landscape within 50 feet of Fairview Creek, Fairview Lake, the Columbia Slough and their tributaries (City code chapter 19.106).	Track riparian buffer permits.	Three Riparian Buffer Permits were issued from the five applications that were submitted.	No modification
Integrated pest management	Ongoing	Implementation Activities: The City encourages use of the Portland Parks and Recreation Pest Management Guide. This guide emphasizes controlling pests that are harmful to the health or aesthetic value of park plantings in a manner that is cost-effective, safe, and environmentally responsible. It is an approach that uses multi-faceted strategies that minimize negative impacts on the environment and on human health. The controls used in this program include manual, mechanical, cultural, biological and chemical methods. Often a combination of methods is used. Examples of Integrated Pest Management include: <ul style="list-style-type: none"> • Timing of chemical applications to avoid run-off. • Mowing high grass and brush to reduce weed seed crops in rough areas. • Pruning of trees and shrubs to increase air circulation to reduce susceptibility to disease and insect problems. • Appropriate fertilizing to encourage plant health and resistance to pests (i.e., weeds, insects and disease). • Using plants with natural resistance to pests. • Combining turf aeration and over-seeding along with any application of broadleaf weed control to eliminate the cause of the problem, and therefore the need for repeated applications. 	Track types and amounts of chemicals used by the Public Works Department.	The Public Works Department has a summary of all chemicals purchased during PY13.	No modification
Chemical applicator licensing	Ongoing	Implementation Activities: Maintain staff certification in public pesticide application and follow Oregon Department of Agriculture requirements related to herbicide application.	Report names of license holders and expiration dates of licenses.	Steve Richards, license expires 12-31-08; Matt Hollenbeck, license expires 12-31-2008; Duane Wilson license expires 12-31-2008 .	No modification

BMP descriptions	Permit year	BMP implementation	Performance measures	Status 2007-2008	Proposed Adaptive Management Modification
Non-stormwater discharge program	Ongoing	<p>Implementation Activities: Continue to implement the non-stormwater discharge program which includes the following BMPs:</p> <ul style="list-style-type: none"> • Component #1 – integrated pest management, native vegetation • Component #2 – water line flushing, illicit discharge enforcement, illicit discharge field screening procedures, illicit discharge investigation procedures • Component #5 – educational programs 	Please see each individual BMP for the related performance measures	Please see each individual BMP for the related performance measures	No modification
Water line flushing	Ongoing	<p>Implementation Activities: The City periodically flushes all public water lines to ensure the reliability and quality of the domestic water system. To minimize impacts to the storm system, discharges are dechlorinated with the use of ascorbic acid (vitamin C). The flushing crew periodically tests the chlorine levels of the discharge prior to entering the storm system.</p>	Track all discharges that test positive for chlorine.	No chlorine detected.	No modification
Illicit discharge enforcement	Ongoing	<p>Implementation Activities: Continue to implement City code sections 13.40.050 and 13.40.110:</p> <ul style="list-style-type: none"> • City code section 13.40.050 prohibits constructing, using, maintaining, or continuing an illicit connection to the storm drain system. • City code section 13.40.110 discusses enforcement actions for failing to comply with control of non-stormwater discharge. The penalty for a first violation is \$250. A penalty of \$1,000 may be imposed for each subsequent failure to comply and each day of a continuing violation shall constitute a separate offense. The City may order compliance by written notice that includes performance of monitoring, analysis, and reporting; elimination of illicit connections or discharges; abatement or remediation; payment of fines; and implementation of source control or treatment BMPs. The public works director may also exercise authority to enforce a construction permit or NPDES permit through a stop work order if necessary. 	Track number of enforcement actions.	City staff worked cooperatively with DEQ to enforce regulations at 23303 NE Sandy Blvd. The City ultimately allowed sanitary sewer connection to eliminate the discharge to surface water.	No modification
Illicit discharge field screening procedures	Ongoing	<p>Implementation Activities: Conduct dry weather inspections of outfalls to search for, detect, and prevent illegal dumping of pollutants and illicit connections (including connections from sanitary sewers and commercial and/or industrial wastewater sewers) to the storm sewer system. Any dry weather flows identified will be reported to the public works department. The City will inspect every outfall each year.</p>	Track number of illicit discharges and/or connections identified.	An illicit discharge of berry processing water was identified at 23303 NE Sandy Blvd.	No modification
Illicit discharge investigation procedures	Ongoing	<p>Implementation Activities: Implement follow-up actions on a prioritized basis when problems are reported to the public works department. Follow up actions may include sampling for pH, dissolved oxygen, temperature, conductivity, ammonia, and total chlorine. If elevated results or poor water quality are detected, additional samples could be collected for lab analysis. If screening results indicate a potential problem, staff will conduct upstream investigations.</p>	Document follow-up actions and final resolutions for each identified illicit discharge.	Assisted DEQ with investigation of water quality complaint at 23303 NE Sandy Blvd. In addition, City staff investigated a report of odors in Salmon Creek and determined that is was the natural musty smell of the muck.	No modification

BMP descriptions	Permit year	BMP implementation	Performance measures	Status 2007-2008	Proposed Adaptive Management Modification
Spill prevention	Ongoing	<p>Implementation Activities: The wellhead protection program serves to prevent spills and illegal dumping. The City will work to maintain its existing agreement with the City of Gresham for wellhead inspection in the Columbia South Shore Well Field Wellhead Protection Area and continue to implement wellhead protection throughout Fairview.</p> <p>Wellhead Protection - Intergovernmental Agreement. The City of Gresham and the City of Portland entered into an intergovernmental agreement for the Implementation of the Columbia South Shore Well Field Wellhead Protection Program in 2003 (City of Gresham contract number 1609). This agreement provides protection of the Columbia South Shore Well Field Wellhead Protection Area lying within Gresham and Fairview from contamination by hazardous substances generated at industrial and commercial facilities.</p> <p>Fairview has adopted Ordinance #12-2002 to protect the Columbia South Shore Well Field Wellhead Protection Area from contamination by hazardous substances by establishing an inspection and enforcement program governing the utilization, storage and transportation of hazardous materials in Fairview's portion of the Columbia South Shore Well Field Wellhead Protection Area.</p> <p>A wellhead inspection is performed at all commercial and industrial facilities during regularly scheduled fire inspections. The entire city, except for a residential area, high school and park, is included in the wellhead protection program.</p> <p>Fairview, Gresham and Portland Staff meet at least annually to discuss any changes to code provisions and any rules promulgated thereunder by either party.</p> <p>Wellhead Protection - City Code and Reference Manual. Wellhead protection is discussed in City code chapter 16.10. A wellhead protection program reference manual has been developed that establishes the wellhead protection boundaries. The code also includes requirements for reporting, standards, and inspections related to the storage, handling, use and transportation of hazardous materials; penalties for violations and enforcement actions; compliance requirements; building and site permit review and approval requirements; and inspection fees.</p>	Track number of businesses inspected and level of compliance.	The Gresham Fire Department inspected nine businesses for compliance with the Wellhead Protection Program.	No modification
Spill clean-up	Ongoing	<p>Implementation Activities: Maintain agreement with the City of Gresham Fire Department for clean-up after structural fires and vehicular accidents to prevent pollutants and debris from being washed into the storm drain system.</p> <p>When there is a hazardous spill or a spill of any other substance that:</p> <ul style="list-style-type: none"> • Is hazardous in any quantity, • Is non-hazardous and greater than 42 gallons on the ground, • Or is any quantity that has entered a waterway or a dry well, 	Track spill location, type of materials and response activities.	Gresham Fire Department responded to one vehicular accident requiring spill clean-up. City Public Works staff and Multnomah County employees contained and provided clean-up for a hydraulic fluid spill of	No modification

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		<p>the City of Gresham Fire Department staff notifies the Oregon Emergency Response System (OERS). OERS then notifies the Oregon Department of Environmental Quality (DEQ) and other state and local agencies that may be affected. The responsible party, if identified, is required to contact an environmental clean-up company and pay for clean-up costs. Examples could include spillage of a 55 gallon drum of restaurant grease or sanitary sewer overflows on private property, resulting in or having the risk of resulting in, discharges to the public stormwater system. DEQ remains the enforcement authority in these cases. DEQ may choose to enforce against the responsible party under the following conditions: 1) the party has acted maliciously; 2) the party is a repeat offender; or 3) the party has failed to report the incident to DEQ.</p> <p>Non-Hazardous Substances Public Works staff will investigate and provide emergency containment and clean-up as necessary. If the responsible party can be identified, he or she is directed to provide containment and site clean-up. If the spill is an imminent threat to waters of the state, the City reserves the right to provide clean-up and bill the responsible party for the work. The responsible party will be invoiced for any response and clean-up provided by the City. Examples include spills or dumping of paint, auto fluids, carpet cleaning wastes or concrete, etc. into catch basins or onto the street.</p> <p>In non-emergency situations, such as dumping of debris on private property near a stream bank, Public Works staff will notify the responsible party, verbally and in writing, and specify a timeframe for clean-up. Staff will refer the incident to Code Enforcement if the responsible party does not respond within the specified time frame. Code enforcement has the authority to issue Abatement Procedures, Violations or Civil Actions.</p> <p>Releases from Traffic Accidents If there is a spill of automotive fluids resulting from a traffic accident, the Gresham Fire Department will spread an absorbent compound (usually clay) and specialized absorbent pads on automotive fluids. Buckets are placed underneath dripping fluids. The road is swept and cleaned and, when necessary, additional protection is placed around the catch basins. Large leaking spills from commercial vehicles or semi-trucks are captured using a children's plastic pool. From a legal standpoint, the generator of the spill is responsible; therefore the waste materials are bagged and placed inside the wrecked vehicle or given to the tow truck driver for disposal.</p> <p>The City will perform the clean-up or utilize private clean-up contractors in order to continue the spill response program, when no responsible party can be identified.</p>		<p>approx. 1-3 gallons.</p>	
Litter receptacles	Ongoing	Implementation Activities: Provide, collect, and maintain litter receptacles in strategic public areas, and during major public events.	Track number of receptacles and collection schedule.	39 litter receptacles are maintained once a week and after all events.	No modification
Municipal vehicle monitoring and maintenance	Ongoing	Implementation Activities: Ensure that materials from municipal vehicles do not leak, spill, or otherwise release contaminants onto roadways or open spaces where they may be washed into storm drains or waterways. Municipal vehicles are inspected by the driver during loading and unloading. The city fleet is maintained on a 4-month schedule. If any leaks are observed between the regular maintenance the vehicles are repaired immediately.	Track vehicle maintenance.	All vehicles in the City fleet were maintained as scheduled. No leaks were detected.	No modification

BMP descriptions	Permit year	BMP implementation	Performance measures	Status 2007-2008	Proposed Adaptive Management Modification
Report illegal dumping and illegal connections	Ongoing	<p>Implementation Activities: Continue to facilitate efforts by the public to report illegal dumping, illicit connections, and other incidents. Develop a public reporting program that could include working with citizen action groups; operating a telephone hotline for citizens to report incidents; posting signs at areas where illegal dumping may occur, and/or encouraging citizens to report incidents. The City will respond to reports and/or complaints from citizens regarding observed water quality problems. After a program is developed, the City will track its implementation.</p>	Develop public reporting program by November 2007.	In association with the Groundwater Protection program signs are posted throughout the City advertising a 24 hour spill reporting hotline that is maintained by the City of Portland for emergencies. Very few complaint calls related to illicit stormwater discharges, connections or dumping are received by the City of Fairview. Citizen contact and Public Reporting procedures are included in the Stormwater O&M manual.	Track number and outcome of illicit discharge and dumping reports received. Develop a reporting form for the City website. Please see each BMP 1, 17, 18 and 19 for the related performance measures
Industrial inspection priorities and procedures	Ongoing	<p>Implementation Activities: Develop an Industrial Stormwater Management Program to control the discharge of pollutants in stormwater from industrial and commercial facilities to the municipal separate storm sewer system based on the BMPs in Component #2 – illicit discharge field screening procedures and illicit discharge investigation procedures. Activities may include:</p> <ul style="list-style-type: none"> • Compliance inspections of permitted sites • Routine reviews of discharge activities by non-permitted commercial/industrial facilities • Response to complaints and referrals 	Develop an Industrial Stormwater Management Program by November 2007.	An Industrial and Commercial Facility Inspection procedure is included in the Stormwater O&M manual, including priorities for inspections and a tracking database. Facilities are inspected based on the potential to contribute pollutant loads, illicit discharge reports, customer contact and outcome of annual inspection of downstream outfall.	Track number and location of industrial and commercial facilities inspected
Track NPDES stormwater permits	Ongoing	<p>Implementation Activities: The City will keep a copy of DEQ 1200 permits and any related reports on file. The City will also coordinate with DEQ regarding oversight of the stormwater permits issued to industries within Fairview. At a minimum, the City will print a list of facilities with stormwater permits from DEQ's database each year and will review the previous year's monitoring reports from those facilities, if DEQ has not done so.</p>	Track location, number, and type of existing permits.	The DEQ list of facilities within the City of Fairview was queried during preparation of this annual report.	No modification

BMP descriptions	Permit year	BMP implementation	Performance measures	Status 2007-2008	Proposed Adaptive Management Modification
Erosion control activities	Ongoing	<p>Implementation Activities: Ordinance 3-1993 adopts an erosion control plan. The ordinance includes an Erosion Control Technical Guidance Handbook (Technical Guidance) that describes regulations, standards and provisions for erosion control as well as fees and penalties for violation. The City enforces the erosion control requirements through a permitting process as discussed under the BMP, Planning Review.</p> <p>The Technical Guidance prescribes the following four steps to consider in planning for erosion control:</p> <ul style="list-style-type: none"> Step 1: Identify Site Characteristics Step 2: Lay Out Preconstruction Plan and Proposed Base Measure Step 3: Measures During Construction Step 4: Post Construction Measures <p>The Technical Guidance also has requirements for single-family homes and duplexes on existing lots of record, private developments construction, private construction in public rights-of-way, public works construction, erosion control measures, inspections and enforcements, and penalties.</p>	Track erosion control permits, inspection, and enforcement.	City staff identified , contained and provided clean-up of erosion from a residential landscaping project. The erosion control inspector maintains a database of all erosion control permits including inspection dates and enforcement activities.	No modification
Construction site inspections	Ongoing	<p>Implementation Activities: The City currently inspects all construction sites using the following procedure:</p> <ul style="list-style-type: none"> • Phone call before inspection to make sure BMPs are in place • Visit every site over 1 acre after the first significant rainfall event and periodically thereafter. <p>If time is limited, the City prioritizes inspections by visiting problem sites first, then visiting facilities that would have the highest environmental effect if the erosion control failed.</p>	Track the number of construction site inspections.	There were 23 construction sites with active COF erosion control permits in PY 13. The erosion control inspector maintains a database of all erosion control permits including inspection dates and enforcement activities.	No modification
Erosion control program training	Ongoing	<p>Implementation Activities: Provide a copy of the Erosion Control Technical Guidance Handbook (Technical Guidance) that describes regulations, standards and provisions for erosion control as well as fees and penalties for violation, to developers and contractors.</p>	Track number of erosion control handbooks that are provided to developers and contractors.	11 handbooks were distributed with new erosion control permit applications.	No modification
Educational activities	Ongoing	<p>Implementation Activities: The City supports community programs and publishes articles in the City newsletter. Current City public education programs that are related to stormwater include educational programs on stormwater quality and the use of nonpolluting alternative garden products, including low-volume uses of pesticides, herbicides, and fertilizers (e.g., household uses). The City also supports the following programs:</p> <ul style="list-style-type: none"> • Programs with local area schools • Programs with volunteer groups • Columbia Slough Watershed Council activities • Business Assistance Program – Private Catch Basin Cleaning • Spring Clean Up • Metro Hazardous Waste Clean Up 	Track the implementation of public education programs and, where appropriate, the number of people involved.	Mailed flyers to 51 businesses, apartments and HOA's for the Private Catch Basin Cleaning program; supported a SOLV-IT project for invasive plant removal; implemented the Metro Recycling Program; financially supported Slough School activities at two Fairview elementary schools; worked at the CSWC Reporter provided a	No modification

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		<ul style="list-style-type: none"> • Informational kiosks at City events and City Hall • Doggy Don't waste bags 		<p>CSWC Regatta, provided a presentation of stormwater programs at the FLOPA annual meeting.; published articles in the FairviewPoint newsletter; and continued the Doggy Don't program.</p>	
Staff education and training	Ongoing	<p>Implementation Activities: Conduct training for new employees on stormwater requirements and train existing employees when there is a significant update to the documents used by the City that regulates stormwater pollution control activities.</p>	Track personnel who receive training.	<p>The following trainings were attended : NPDES permit implementation, Groundwater Protection Program, EPA Stormwater Program Webcasts, Storm System Management, APWA, ACWA and EPA Getting In Step workshop. Supporting documents are maintained at the City for review.</p>	No modification
Illegal dumping and illegal connections, public education	Ongoing	<p>Implementation Activities: Educate the public about the harmful effects of dumping oil, antifreeze, pesticides, paints, solvents, and other potentially harmful chemicals into storm sewers or drainage channels. The City will:</p> <ul style="list-style-type: none"> • Support the development of convenient oil recycling and disposal programs • Support programs that provide convenient means for people to properly dispose of or recycle antifreeze, pesticides, herbicides, paints, solvents, and other potentially harmful chemicals and waste materials. • Support existing solid waste management programs (to reduce, recycle, and control trash and yard debris). • Educate the public regarding the stormwater pollution that results from littering practices. 	Track programs supported.	<p>Staff published recycling and stormwater educational articles in the Fairview Update and Public Works Newsletter, hosted the annual Fairview Spring Clean-up, implemented the Metro recycling program.</p>	No modification