

Section Four – City of Fairview Summary of Program Monitoring

Municipal National Pollutant Discharge Elimination System Annual Report for Permit Year 17, Permit #101315, November 1, 2012

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 on the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit (#101315).

DEQ reissued the Permit on December 30, 2010 requiring the City to modify the SWMP to reflect the new permit conditions. The City's 2011 SWMP incorporates the new Permit conditions and includes best management practices (BMPs) and other elements intended to reduce the introduction of pollutants to the maximum extent practicable (MEP).

This Permit Year (PY) 17 Annual Report documents implementation activities from July 1, 2011 through June 30, 2012 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. Table 4-2 summarizes the time period July 1, 2011 to June 30, 2012 implementing the 2011 SWMP. 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.

As part of the annual adaptive management process, data and feedback were collected from staff responsible for implementing/reporting on each BMP. Factors considered include but are not limited to: Was the BMP measurable goal attained? If not, describe circumstances why, and how progress will be made toward future attainment. For multi-year BMPs, were milestones or timelines met? Can we feasibly refine or improve the BMP to gain efficiency or effectiveness in removing stormwater pollutants? In addition to assessing the implementation of each BMP, staff weighed resource availability and needs related to the overall stormwater program, including consideration of budget/funding, training needs, new technology and available equipment. The annual adaptive management process will inform any alterations to the stormwater program or future modifications to the SWMP.

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 17.

Stormwater Management Program Budget

City of Fairview Stormwater Management program costs for Permit Year 17 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 17 and provides the anticipated budget for Permit Year 18, (Fiscal Year 2011-2012).

Table 4-1

Program Area	PY 17 Expenditures	PY 18 Anticipated Budget
Stormwater Fund	\$546,615	\$662,304
Street Fund	\$458,013	\$617,703

CITY OF FAIRVIEW BEST MANAGEMENT PRACTICES
Table 4-2 2011-2012 Annual Stormwater Compliance Report, July 1, 2011 - June 30, 2012

BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status	Summary and Date of Proposed Adaptive Management Modifications
					2011-2012	
SWMP Element #1- Illicit Discharge Detection and Elimination						
Illicit Discharge Enforcement	Ongoing	<p>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. <p>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.</p>	For identified illicit discharges conduct appropriate enforcement actions.	Track number, location and resolution of enforcement actions.	No illicit discharges identified.	No modification
Illicit Discharge Field Screening Procedures	Ongoing	<p>Conduct dry weather inspections of accessible outfalls following the procedure in the Stormwater Operation and Maintenance (O&M) Manual 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. Annually update maps as necessary to indicate field screening locations.</p>	Inspect accessible outfalls annually. Maintain maps of outfall inspection locations.	Track number and percent of outfalls inspected.	No flows were observed during the dry weather field screening. 78% of the City outfalls were inspected. Two priority outfalls were not inspected due to a bee's nest and overgrown vegetation. The GIS Map of outfalls was updated and identifies priority locations.	No modification
Illicit Discharge Investigation Procedures	01-Jul-12	<p>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> <p>The City will revise and document standard operating procedures to address new permit requirements and to document and update the details of the illicit discharge field screening and investigation procedures by June 30, 2012.</p>	<p>Develop revised procedures by July 1, 2012.</p> <p>Until procedures are revised, investigate problems reported within 2 weeks of the initial report.</p>	<p>Track number and type of problems reported, and track problem resolutions.</p> <p>Track status of revisions to procedures.</p>	No illicit discharges reported. The IDDE Dry Weather Field Screening/Outfall Inspection, Source Identification, Source Investigation and Enforcement procedures in the Stormwater Operation and Maintenance Manual were revised.	No modification

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Spill Prevention	Ongoing	<p>Wellhead Protection Program. 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 for the protection of groundwater. This program is included here because of its residual benefits to stormwater.</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 commercial and industrial facilities by the City of Gresham. 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.</p> <p>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>	Once during the permit term, conduct inspections of all businesses with regulated quantities in the well field.	Track the number of inspections conducted.	Ten businesses were inspected for conformance with the WHPP. Ten people from six businesses that are regulated by the WHPP attended a training session to help mitigate the risks of hazardous material spills.	No modification

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Spill Clean-up	Ongoing	<p>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. <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:</p> <p>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</p> <p>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>Maintain agreement with City of Gresham Fire Department.</p> <p>Investigate spills and provide emergency containment and clean-up as necessary.</p>	<p>Track spill locations, type of materials and response activities.</p>	<p>Gresham Fire Department responded to two incidents involving minor oil or combustible liquid spills. Approximately 28 gallons of diesel fuel was discharged into a private stormwater detention pond at Knight Transportation. Company staff followed the procedures outlined in their facility plan to contain the spill and then hired CCS Emergency Response for the clean-up.</p>	<p>No modification</p>

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Municipal vehicle monitoring and maintenance	Ongoing	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. If any leaks are observed between the regular maintenance the vehicles are repaired immediately	Maintain vehicles on a 4-month schedule.	Track status of municipal vehicle maintenance.	All vehicles in the City fleet were maintained as scheduled. No leaks were detected.	
Water Line Flushing	Ongoing	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 dechlorinate 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.	Dechlorinate waterline flushing with vitamin C.	NA	No chlorine detected.	No modification

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SWMP Element #2- Industrial and Commercial Facilities						
Industrial and Commercial Facility Inspections	Ongoing	Implement the City's Industrial and Commercial Facility Inspection procedure that is included in the Stormwater Operation and Maintenance Manual to control the discharge of pollutants in stormwater from industrial and commercial facilities to the municipal separate storm sewer system.	Spend one week (40 hours) implementing commercial and industrial inspection procedures.	Track number of facility inspections and follow-up.	City staff organized and tracked the inspection of 10 businesses in the Wellhead Protection Program. In addition, staff provided guidance and performed follow-up inspections for Knight Transportation.	No modification
Screen Industries/Businesses and Track NPDES Stormwater Permits	Annually	Annually, the City will review their business license inventory to determine whether any new facilities would be subject to an industrial stormwater NPDES permit. This determination will occur based on a review of the applicable SIC codes related to the 1200-series NPDES permit. If a facility is identified that would be subject to an industrial stormwater NPDES permit, the facility and DEQ will be notified within 30 days. During industrial and commercial inspections staff will obtain a copy of the facility's permit or work with the facility to either obtain a permit, or eliminate the potential for contact of pollutants with stormwater, thereby eliminating the need for a permit. In cases where discharges appear contaminated, the City will send a copy of the inspection report to DEQ.	Annually notify DEQ of any existing or new industrial facilities within the City's jurisdiction that may potentially be subject to an industrial stormwater NPDES permit.	Track number and type of new facilities identified as needing permits.	Provided list of potential businesses to DEQ during preparation of the annual report.	No modification
SWMP Element #3 - Construction Site Runoff Control						
Erosion Control Activities	Ongoing	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 required for sites disturbing 500 ft or more as discussed under the BMP, Development Review. The Technical Guidance prescribes the following four steps to consider in planning for erosion control: 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 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. Non-stormwater wastes on construction sites are also addressed through the City's nuisance ordinance in Chapter 8 of the municipal code.	Inform all construction site owners that have 1 acre or more of disturbed land that they are required to obtain a 1200-C permit from DEQ. Review development sites required to meet City erosion control requirements.	Track the number of erosion control permits issued annually.	The City issued 8 erosion control permits for sites less than 1 acre.	No modification

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Erosion Control Program Training	Ongoing	The Technical Guidance describes regulations, standards and provisions for erosion control as well as fees and penalties for violation.	Provide a copy of the Technical Guidance to all developers and contractors.	N/A	Technical Guidance handbooks were distributed with all new erosion control permit applications.	No modification
Construction Site Inspections	01-Jan-14	The City currently reviews plans and inspects construction sites required to meet the City's erosion control standards using the following procedures: 1. Phone call before inspection to make sure BMPs are in place. 2. Visit every site over 1 acre after the first significant rainfall event and periodically thereafter. 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.	Inspect all construction sites required to meet City erosion control standards. Audit or review existing codes to ensure legal and escalation clauses exist for site design, source control, stormwater treatment BMPs, and post-construction BMPs by January 1, 2014.	Track the number of sites that were permitted and inspected. Report the number and type of enforcement actions.	The City maintains a database of all erosion control permits including inspection dates and enforcement activities. No enforcement action was required.	No modification
SWMP Element #4 - Education and Outreach						
Educational Activities	Ongoing	The City supports community programs, publishes articles in the City newsletter and coordinates with the City of Gresham where appropriate. 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: <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 • Informational kiosks at City events and City Hall • Doggy Don't waste bag 	Publish stormwater related articles in the City newsletter. Support local education programs.	Track newsletter articles produced annually. Track activities conducted to support local education programs.	Slough School activities for students in grades K-12 were financially supported by the City. Stormwater related articles were posted on the City's website. Continued the Doggy Don't program and the Metro Recycling Program. The City was a sponsor of KGW's "Do the Right Thing" campaign designed to influence behaviors and attitudes regarding watershed health. The Fairview Police Department collects unused medications.	No modification

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Report Illegal Dumping and Illegal Connections	Ongoing	Continue to facilitate efforts by the public to report illegal dumping, illicit connections, and other incidents. Implement public reporting program as described in the Stormwater Operation and Maintenance (O&M) Manual.	Respond to reports and/or complaints from citizens regarding observed water quality problems.	Track the number of reports/complaints received, and the follow-up actions conducted (including the timing of the follow-up action).	No illegal dumping or connections were reported.	No modification
Illegal Dumping and Illegal Connections, Public Education	Ongoing	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.	Support recycling and disposal programs; programs that provide convenient means to dispose of materials, existing solid waste management programs. Educate the public regarding the stormwater pollution that results from dumping and illegal connections.	Track the number of public recycling and disposal programs conducted annually.	Contact information for reporting illegal dumping and spills was published on KOIN TV Do-the-Right-Thing and the City's websites. A recycling and solid waste webpage was added to the City's website. The annual Fairview Spring Clean-up provided an opportunity for Fairview residents to dispose of unwanted items.	No modification
Participate in a Public Education Effectiveness Evaluation	01-Nov-14	By November 1, 2014, the City of Fairview will coordinate with other local, Phase I jurisdictions to provide information related to an effectiveness evaluation. The effectiveness evaluation information will focus on assessing changes in targeted behaviors and will allow for additional information that can be used in adaptive management of the City's education and outreach strategy.	Coordinate with other local jurisdictions in providing/compiling information regarding a public education effectiveness evaluation by November 1, 2014.	Report on activities annually.	No new activity.	No modification

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Staff Education and Training	Ongoing	Conduct training for new employees and contract 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.	Provide annual training to personnel involved in stormwater management.	Track personnel receiving training annually.	The Senior Engineering Technician attended the ACWA Stormwater Summit. Three operations staff members attended a training for maintenance of a Contech filter catch basin in the City's corporation yard.	No modification
SWMP Element #5 - Public Involvement and Participation						
Provide for Public Participation with the annual report, SWMP and Benchmark Submittals	Annually by November 1	Co-permittees must submit an annual report for the portion applicable to its jurisdiction by November 1 of each year. SWMP revisions and pollutant load reduction benchmarks are required for submittal to DEQ at the permit renewal submittal (180 days prior to permit expiration). Prior to submittal of these items, the City will provide the public with an opportunity to comment on the annual report, revisions to the SWMP and proposed pollutant load reduction benchmarks. The documents will be made available on the City's website or through web links. Comments on the documents will be collected and considered and a response to comments will be provided.	Provide for public participation with the annual report, SWMP and pollutant load reduction benchmarks prior to the permit renewal application deadline.	N/A	Comments were solicited for the draft NPDES Annual Report through publication on the City's website.	No modification
SWMP Element #6 - Post-Construction Site Runoff						
Development Review for Private Projects	Ongoing	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. 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: <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 	Review development plans for conformance with standards. Maintain map of private water quality facilities	Track acreage of new and re-development activities requiring stormwater treatment annually. Track the number and type of private water quality BMPs built.	One industrial redevelopment permit was issued for construction of a 3360 square foot building addition on existing asphalt pavement. The runoff discharges to an existing structural treatment facility. One building permit was issued for a bridge over Raintree Creek. The runoff from the new 1500 square feet of impervious area discharges to an existing swale and retention pond. Residential building permits were issued for five new homes and one redeveloped duplex. The GPS field project was completed however map revisions reflecting construction in Permit years 16 and 17 and items identified through quality control have not been completed due to staffing changes.	No modification

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SWMP Element #7 - Pollution Prevention for Municipal Operations						
O&M Plan	01-Nov-13	Use the O&M Plan as a guide for designing and maintaining public storm facilities in order to maximize water quality benefits while maintaining flood capacity. The O&M Plan is intended to help locate and eliminate pollutants and provides a framework for maintaining field inspections records.	Implement the procedures in the O&M Plan. Review the O&M Plan by November 1, 2013, and update as necessary to maximize water quality benefits while maintaining flood capacity.	Track annual changes made to the O&M Plan	The illicit discharge detection and elimination (IDDE) procedures were added/revised to meet the permit requirements. The water quality manhole inspection and cleaning procedure and inventory has been updated and a StormFilter Inspection and Maintenance Procedure was added for the new ConTech catchbasin installed at the PW shop on Crestwood Street. Due to staffing reductions the Storm System Inventory has not been updated to reflect structural changes in Permit Years 16 and 17 and items identified through quality control.	No modification
Right of way-O&M	Ongoing	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.	Maintain contract with Multnomah County for road maintenance.		Road maintenance provided through IGA with Multnomah County.	No modification
Street Sweeping	Ongoing	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.	Maintain contract with Multnomah County.	Track frequency of sweepings.	Multnomah County performed street sweeping three times during PY 17 - twice in the fall and once in the spring.	No modification
De-icing and Yard Debris Activities	Ongoing	Sand and gravel are applied to roadway surfaces to assist with traction during inclement weather. The sand is removed and recycled as soon as possible after the snow or ice event. Yard debris is picked up from residents weekly by the City's solid waste provider.	As weather permits, remove gravel when it is no longer needed.	Track processes conducted for sand and gravel removal.	No deicing activities.	No modification
Native Vegetation	Ongoing	Encourage the use of native vegetation in riparian areas 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).	Review planting plans associated with riparian buffer permits.	Track number of riparian buffer permits.	Three riparian buffer permits were issued: one dock on Fairview Lake, one for rip-rap to provide bank stabilization on Fairview Lake and one for park improvements adjacent to Fairview Creek.	No modification

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Integrated Pest Management	Ongoing	<p>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.</p> <p>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:</p> <ul style="list-style-type: none"> • Timing of chemical applications to avoid runoff. • 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. <p>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.</p>	<p>Use Portland Parks and Recreation approved chemicals. Incorporate native plants in City planting projects to reduce chemical and fertilizer usage, as well as maintenance requirements.</p>	Track City planting projects that incorporate native plants.	The Public Works Department prepares a summary of all chemicals used by the department. The Main Street Sidewalk Improvements included construction of five rain gardens that incorporated native plants.	No modification
Chemical Applicator Licensing	Ongoing	Maintain staff certification in public pesticide application and follow Oregon Department of Agriculture (ODA) requirements related to herbicide application.	All chemical applications will be supervised by an ODA Certified Applicator.	N/A	All chemical applications are supervised by an ODA Certified Applicator.	No modification
Track Municipal Facilities	Ongoing	The City has one facility that includes the treatment, storage or transport of municipal waste. This facility is the Corporation Yard Dumpster. Collection of waste from municipal litter receptacles is collected and stored in a dumpster at this site until the City's garbage hauler collects the waste on a weekly basis. The dumpster has a cover on it and runoff from the site is treated by a structural stormwater filter. No additional stormwater management practices are deemed necessary for this site.		N/A	N/A	No modification
Litter Receptacles	Ongoing	Provide, collect, and maintain litter receptacles in strategic public areas and during major public events to provide disposal of pet waste bags and prevent trash from entering the stormwater system.	Maintain at least one litter receptacle at all public parks greater than 1 acre. Provide collection a minimum of once per week.	Track number of litter receptacles.	43 litter receptacles are maintained once a week and after all events.	No modification

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Sanitary Sewer System Program	Ongoing	Limit wastewater infiltration through the operation, maintenance and construction of the sanitary sewer infrastructure based on existing conditions and projected sanitary flows.	Respond to pump station failures. Perform cleaning of the problem areas of the City's sanitary sewer system. Construct pipe restoration projects to replace defective pipe and reduce inflow and infiltration.	Track identified sanitary problems and resolutions related to the storm system each year.	The Cedar Street Sanitary Sewer Rehabilitation Project and the Main Street Sewer Rehabilitation Project repaired 5183 LF of 8" sewer main and 97 private laterals.	Cedar and Main Street SS
Consolidated Stormwater Master Plan (CSMP)	Ongoing	The Consolidated Stormwater Master Plan (CSMP) adopted in 2007 combines infrastructure improvements including retrofit opportunities with federal and state water quality requirements. Projects were developed to address water quantity and quality issues, utilizing hydrologic and hydraulic modeling as well as information from the TMDL regulatory program and the NPDES stormwater discharge permit.	Continue to make progress in the implementation of the CSMP.	Track the number, type and watershed location of projects that are completed.	The Main Street Sidewalk Improvements incorporated elements of the CSMP Project FV-5 Old Town Green Streets by constructing five rain gardens and planting 35 street trees.	No modification
SWMP Element #8 -Structural Stormwater Facility Operations and Maintenance						
Inspect and Maintain Public Storm Facilities	Ongoing	Perform inspection and required maintenance as stated in the O&M Plan—clean catch basins and storm pipe, sedimentation manholes, channels and stormwater detention basins in areas where sediment and/or debris tend to accumulate.	Inspect 50 percent of detention lines, ponds, swales and outfalls. Inspect natural stream channels from bridge and road crossing. Clean catch basins and inspect adjacent pipes in one third of the City annually. Clean all water quality manholes (5). Update maps of City Structural Stormwater Facilities.	Track facilities inspected and maintained. Track number of catch basins cleaned. Estimate quantity of sediment removed from catch basins and water quality manholes.	All applicable field measurements and data are stored on the O&M tracking Excel workbook. 28 outfalls, including 7 Priority Outfalls were inspected, inmate crews removed invasive vegetation from detention areas, swales and ditches, media cartridges were replaced at the Public Works Crestwood Shop, 30% of the City's catch basins were cleaned and inspected. The GPS field project was completed however map revisions reflecting construction in Permit years 16 and 17 and items identified through quality control have not been completed due to staffing reductions.	No modification

CITY OF FAIRVIEW BEST MANAGEMENT PRACTICES
Table 4-2 2011-2012 Annual Stormwater Compliance Report, July 1, 2011 - June 30, 2012

BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status	Summary and Date of Proposed Adaptive Management Modifications
					2011-2012	
Private Water Quality Facilities Inspection and Maintenance	Ongoing	Require plans conforming to the requirements of City of Fairview Standard Specifications for Public Works Construction and City of Portland Stormwater Management Manual at the time of permitting for stormwater facilities related to new private development and redevelopment/retrofitting. Include recording of operations and maintenance plans for stormwater quality facilities.	Ensure new private stormwater facility plans conform to City requirements. Inspect new facilities for conformance to approved O&M plans.	Track number of inspections conducted and inspection results.	No new private water quality facilities were constructed. The City participated in the annual private Stormdrain Cleaning Assistance Program.	No modification