



**“City of Fairview NPDES MS4 Annual  
Compliance Report, PY 24”**

## **Section Four – City of Fairview Summary of Program Monitoring**

### **Municipal National Pollutant Discharge Elimination System Annual Report for Permit Year 24, Permit #101315, November 1, 2019**

#### **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). The Stormwater Management Plan (SWMP) was modified on December 29, 2015 in accordance with Schedule B.6.a of the City's NPDES MS4 permit requirement for updates.

This Permit Year (PY) 24 Annual Report documents implementation activities from July 1, 2018 through June 30, 2019 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 (Prioritization Criteria) summarizes the time period July 1, 2018 to June 30, 2019 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

There are no Urban Growth Boundary expansion areas contiguous to the City of Fairview. Consequently there are no associated concept planning, significant land use changes or significant development activities to report for PY 24.

## Stormwater Management Program Budget

City of Fairview Stormwater Management program costs for Permit Year 24 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 23 and provides the anticipated budget for Permit Year 24.

<b>Table 4-1</b>		
	<b>2018-2019</b>	<b>2019-2020</b>
<b>Program Area</b>	<b>PY 23 Expenditures</b>	<b>PY 24 Anticipated Budget</b>
Stormwater Fund	\$604,123	\$751,807
Street Fund	\$389,246	\$822,607

## MEMORANDUM

TO: Allan Berry, Public Works Director, City of Fairview

FROM: Heather R. Martin, City Attorney's Office *HRM*

SUBJECT: Legal Authority to Implement and Enforce NPDES MS4 Permit

DATE: July 19, 2019

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Fairview's National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit requires it to "maintain adequate legal authority through ordinance(s), interagency agreement(s) or other means to effectively implement and enforce" the permit's provisions. See NPDES MS4 Permit No. 101315 at Schedule D(1).

For the reasons listed in the attached memo from our office dated October 12, 2015 (Exhibit A), the City has maintained and currently possesses legal authority to implement and enforce the NPDES MS4 permit. None of the Fairview Municipal Code (FMC) provisions cited in Exhibit A have changed or been deleted. They are all still in effect as is the intergovernmental agreement the City has with Gresham.

I believe, given that information, the City continues to possess adequate legal authority required by its NPDES MS4 permit.

Please let me know if you have any questions.

HRM/yh  
Attachment

MEMORANDUM

TO: Allan Berry, Public Works Director, City of Fairview

FROM: David F. Doughman, City Attorney's Office 

SUBJECT: Legal Authority to implement and enforce NPDES MS4 permit

DATE: October 12, 2015

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Fairview's National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit requires it to "maintain adequate legal authority, through ordinance(s), interagency agreement(s) or other means, to effectively implement and enforce" the permit's provisions. *See* NPDES MS4 Permit No. 101315 at Schedule D(1). You asked our office to confirm that Fairview is maintaining such authority.

As outlined below, we are confident that Fairview has maintained and currently possesses adequate legal authority to implement and enforce the NPDES MS4 permit.

The legal authority must enable the City to:

- (a) *Control through ordinance, permit, contract, order or similar means, the contribution of pollutants to the municipal storm sewer by storm water discharges associated with industrial activity and the quality of storm water discharged from sites of industrial activity.*

In 2004, the City adopted a comprehensive ordinance to control non-stormwater discharge into its storm sewer system, codified at Fairview Municipal Code (FMC or Code) Chapter 13.40. It applies to "all water entering the city of Fairview storm drain system and generated on any developed and undeveloped property unless specifically exempted." FMC 13.40.020.

The Code, at FMC 13.40.070, regulates industrial discharges into the storm sewer system. It requires an industrial discharger to prove it is complying with any NPDES permit it may possess for industrial discharges and allows the Fairview public works department to inspect a discharger's facility. It grants the public works department the authority to install monitoring devices at a facility to control the quality of storm water discharged from the site and provides for penalties for dischargers who fail to comply with FMC 13.40.070's terms.

For industrial dischargers that are not required to possess a NPDES permit, the City is able to require a reporting form and establish a schedule of monitoring discharges from such facilities.

- (b) *Prohibit through ordinance, order or similar means, illicit discharges to the municipal separate storm sewer.*

The Code specifically prohibits illicit discharges to the system at FMC 13.40.040. Any materials that are not “stormwater” – defined as rain runoff, snowmelt runoff, and surface water and drainage – are not allowed to be discharged into the system, subject to certain exceptions. Penalties may be imposed upon persons illicitly discharging prohibited materials, including fines and suspending access to the system, among others. *See* FMC 13.40.060 and 13.40.110.

- (c) *Control through ordinance, order or similar means the discharge to a municipal separate storm sewer of spills, dumping or disposal of materials other than storm water.*

In addition to explicitly prohibiting non-stormwater discharges into the system as discussed above, the Code controls the discharge of materials other than stormwater by utilizing best management practices (BMPs) identified in Fairview’s Stormwater Management Plan. *See* FMC 13.40.080. Further, the Code allows for monitoring of discharges at the public works department’s discretion. *See* FMC 13.40.070.

The Code also requires dischargers to immediately report spills or disposal of materials other than stormwater and provides for penalties for those who may fail to report such spills. *See* FMC 13.40.100 and 13.40.110.

Other Code sections control the discharge of materials other than stormwater. FMC 19.106.040(B) prohibits alterations to wetlands that would appreciably diminish the values or functions of the water body or wetland. FMC 19.106.040(C)(9) requires construction sites adjacent to wetlands to install erosion/sedimentation control devices between the land area to be disturbed and any wetlands. The devices must conform to the specifications and procedures of the City’s erosion control standards

FMC 19.106.040(C)(10) requires developments with significant impervious surface areas adjacent to wetlands to have storm water detention and filtration facilities as part of their approved design. The design of such facilities must conform to the BMPs described in the City’s standard specifications for public facilities and related ordinances and technical/guidance manuals.

- (d) *Control through interagency agreements among co-applicants the contribution of pollutants from one portion of the municipal system to another portion of the municipal system.*

The City has an intergovernmental agreement (IGA) with Gresham, a co-permittee for the duration of the permit term. The jurisdictions agree to minimize their contribution of

pollutants to each others' stormwater systems to the maximum extent practicable through implementation of an approved Stormwater Management Plan. In addition, each jurisdiction may provide services related to water quality protection to the other upon mutual agreement, at full cost.

(e) *Require compliance with conditions in ordinances, permits, contracts or orders.*

All of Fairview's ordinances are subject to enforcement actions, either specific to a given ordinance (e.g. FMC 13.40.110) or generally through a violation citation in municipal court. Land use/development permits routinely condition approval upon satisfying various Code criteria and such permits may similarly be enforced in court. Naturally, if a contract pertaining to stormwater management is breached the City has the right to enforce the contract in court.

(f) *Carry out all inspections, surveillance, and monitoring procedures necessary to determine compliance and non-compliance with permit conditions including the prohibition on illicit discharges to the municipal separate storm sewer.*

Fairview's comprehensive ordinance controlling non-stormwater discharges into its system explicitly:

- ▶ Permits the public works director to prohibit a discharger from engaging in activities that are, were or may be a significant source of non-stormwater discharge. FMC 13.40.040(B)(2).
- ▶ Prohibits illicit discharges into the system and illicit connections to the system. FMC 13.40.040(A).
- ▶ Permits the public works department to suspend MS4 discharge access if necessary to prevent an actual or threatened discharge that will harm the public, the system or the environment. FMC 13.40.060(A).
- ▶ Permits the public works department to enter and inspect a discharger's facilities, establish monitoring of the discharge, and require regular reporting to the City. *See* FMC 13.40.070.

For all of the above reasons, we believe the City continues to possess the adequate legal authority required by its NPDES MS4 permit. Please let me know if you have any questions.

Section Four: City of Fairview Stormwater Management Plan Summary							Summary and Date of Proposed Adaptive Management Modifications	
BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status 2018-2019 (PY 24)	Responsible Party		
<b>SWMP Element #1- Illicit Discharge Detection and Elimination</b>								
Illicit Discharge Enforcement	Ongoing	<p>Implement City code sections 13.40.050 and 13.40.110:</p> <ul style="list-style-type: none"> <li>City code section 13.40.050 prohibits constructing, using, maintaining, or continuing an illicit connection to the storm drain system.</li> <li>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.</li> </ul> <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.	<p>There are (2) total illicit discharge investigations, enforcements and clean up implemented this PY 24; are as follows:</p> <ol style="list-style-type: none"> <li>223rd &amp; Sandy-Fairview Meadows Apartments</li> <li>22867 NE Townsend Way-Connor Manufacturing Services (Area Drain)</li> </ol> <p>The enforcement details are as follows:</p> <ol style="list-style-type: none"> <li>On April 7, 2019 it was discovered someone broke into the construction site and caused theft and vandalism to West Coast Home Solution's property. As a result, pump system was unable to operate which then caused pond to overflow and cause stormwater damage to the neighborhood private property and Tract B directly south of the project site. WCHS immediately called Point Environmental and DEQ and DSL. A report was produced which addressed the impact of discharge. Impacted residents were contacted by WCHS for cooperation. During this timeframe a Stop Work Order was established and lifted once the situation fix satisfied all addressed parties.</li> <li>22867 NE Townsend way, Fairview, Oregon.- A Connor Manufacturing Services employee reported accidental spill. Xtreme Cut 270 Coolant was being transported out by conveyor out of a new CNC lathe going into a self dumping lift truck hopper. Hopper did not have drain plug and employee was unaware. About 10-15 gallons of gallons made its way onto asphalt and into stormwater area drain. Absorbent socks were used and NRC was called to clean the asphalt and drain.</li> </ol>	No modification	Engineering Associate Engineering Technician	
Illicit Discharge Field Screening Procedures	Ongoing	<p>Conduct dry weather inspections of accessible outfalls following the procedure in the Stormwater Operation and Maintenance (O&amp;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.</p> <p>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.	<p>Violations for - Containment - Chemical Storage - storm runoff - Enforcement in progress.</p> <p>The City of Fairview has identified and mapped a total of 38 outfalls; 9 of which are categorized as high priority outfalls. The 38 total outfalls (100%) were inspected for structural integrity and cleaned for maintenance capacity, this PY 24.</p> <p>The City of Fairview has recently initiated transitioning into producing electronic work orders via Dude Solutions software to achieve greater efficiency in asset management.</p>	No modification	Storm Lead Worker Map Tech	
Illicit Discharge Investigation Procedures	1-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>	Develop revised procedures by July 1, 2012. Until procedures are revised, investigate problems reported within 2 weeks of the initial report.	Track number and type of problems reported, and track problem resolutions. Track status of revisions to procedures.	<p>See BMP 1:1 (Illicit Discharge Detection and Elimination_Enforcement).</p> <p>There are (2) total of IDDE investigations conducted this PY 24, which resulted to enforcement actions. There were no samples taken from all the (2) incidents.</p>	No modification	Engineering Associate	

Section Four: City of Fairview Stormwater Management Plan Summary							Summary and Date of Proposed Adaptive Management Modifications	Responsible Party
BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status 2018-2019 (PY 24)			
Spill Prevention	Ongoing	<p><b>Wellhead Protection Program.</b> 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><b>Wellhead Protection - Intergovernmental Agreement.</b> 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>	Once during the permit term, conduct inspections of all businesses with regulated quantities in the well field.	Track the number of inspections conducted.	<p>City of Fairview with 3.5 square miles geographic area is located in the Columbia South Shore Wellfield Protection Area. City of Fairview maintains the existing Intergovernmental Agreement with the City of Gresham established in 2003 for inspection of the regulated and monitored industrial/commercial facilities in the Columbia South Shore Wellfield Protection Program, (Zone 1).</p> <p>There were a total of (8) total of regulated industrial/commercial facilities that were inspected during PY 24. Updated and most recent Hazardous Material Inventory Report (HMIR) and Site Plan were required in the notification letters that were sent to both regulated and monitored facilities last October, 2018 with December 31st, 2018 deadline. The reporting is a tool used to evaluate and assess the classification of facilities; either an upgrade or downgrade of being regulated or monitored facilities. The 8 inspected regulated facilities are as follows:</p> <ul style="list-style-type: none"> <li>• All Storage PH. II - 20918 NE Sandy Blvd., Fairview, OR</li> <li>• Northbrook Village 180-Unit Apartment - 22022 NE Halsey St, Fairview, OR</li> <li>• Fairview Woods 49-Unit Apartment - NE 205th St., Fairview, OR</li> <li>• New Fairview Elementary School - NE Main St., Fairview, OR</li> <li>• Reynolds School District Maintenance Yard - NE Glisan St. FV</li> <li>• Townsend Farms - NE Townsend Way, Fairview, OR</li> <li>• Allwood Recyclers, Inc.- 23001 NE Marine Dr, Fairview, OR</li> <li>• Dirt and Aggregate Interchange, Inc.- NE 212th Ave, Fairview, OR</li> <li>• AGC Heat Transfer, Inc.-3109 NE 230th Ave, Fairview, OR.</li> </ul>	No modification	Engineering Associate Engineering Technician City of Gresham (IGA)	
		<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</p>			<p>The Columbia South Shore Well Field Protection Program Committee meets quarterly to discuss any changes to code provisions and updates of the Wellhead Protection Program Reference Manual.</p> <p>The Columbia South Shore Wellfield Protection Program Reference Manual was recently updated back in PY 22 by the City of Portland under the supervision of Doug Wise in 2017.</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>			<p>There were no reported and recorded spill incident events that took place this PY 24 within the City of Fairview jurisdiction.</p>			
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. When there is a hazardous spill or a spill of any other substance that:</p> <ul style="list-style-type: none"> <li>• Is hazardous in any quantity</li> <li>• Is non-hazardous and greater than 42 gallons on the ground</li> <li>• Or is any quantity that has entered a waterway or a dry well.</li> </ul> <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>	Maintain agreement with City of Gresham Fire Department. Investigate spills and provide emergency containment and clean-up as necessary.	Track spill locations, type of materials and response activities.	<p>There are a total of (2) reported spills with in the City of Fairview reported during this PY 24. They are:</p> <ol style="list-style-type: none"> <li>1. 181015 Lake Salish Apartments (Parking Lot)</li> <li>2. Intersection where I-84 EB Off-Ramp Meets 207th (Exit 14)</li> </ol> <p>1. 20699 NE Glisan St, Fairview, OR-Spill was reported on south easternmost parking lot of Lake Salish Apartments. Went on site to take photos and expressed concerns to apartment manager and maintenance guy . City had the apartment tow the car away from the site since the driver was no where to be found once it had been contained with spill kits.</p> <p>2. 207th and EB I-84 Off-Ramp-Spill was reported to Miguel by City of Gresham employee regarding slick road at the intersection. Miguel went out to the site to take photos and take care of concerns but Multnomah County Sheriff and Firetrucks were already on the scene and had sections closed due to vehicle crash due to the oil slick. This prevented photos from being taken at the site. The spill was cleaned up and taken care of</p>	No modification	Gresham Fire Engineering Associate PW Superintendent	

Section Four: City of Fairview Stormwater Management Plan Summary						Summary and Date of Proposed Adaptive Management Modifications	
BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status 2018-2019 (PY 24)	Management Modifications	Responsible Party
		<p><b>Non-Hazardous Substances</b>                      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.                      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>			None, see above report.		
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 City fleet vehicles (Public Works, Administration and Police departments) were regularly maintained and serviced as scheduled (every 3 months) with auto service providers. No vehicular leaks were detected.	No modification	PW Superintendent Police Dept.
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 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.	Dechlorinate waterline flushing with vitamin C.	NA	No chlorine detected.	No modification	Water Lead Worker

Section Four: City of Fairview Stormwater Management Plan Summary						Summary and Date of Proposed Adaptive Management Modifications		Responsible Party
BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status 2018-2019 (PY 24)			
<b>SWMP Element #2- Industrial and Commercial Facilities</b>								
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.	<p>There were (3) total of inspected regulated industrial/commercial facilities during this PY 24. Inspection procedures were in conformance and compliance with the City of Fairview's Stormwater Operation and Maintenance Manual and the Columbia South Shore Wellfield Protection Program Reference Manual. See BMP 1.4_Spill Prevention.</p> <p>A total of 39.00 inspection hours (pre-documentation, inspection / photos, final documentation and follow up) were spent this PY 24, which did not meet the recommended 40 hours of inspection requirements.</p> <p>This was due to Fairview Terrace having a gated community and pre-existing dispute between City and Private community did not allow for smooth communication. This matter will be investigated further in order to establish a relationship where the City can gain permission for yearly inspection without obstacles.</p>	No modification		Engineering Associate Engineering Technician
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.	<p>Screening process of applicable Industrial/Commercial SIC codes reflecting the 1200-series NPDES permit is being conducted during pre-application review process of land use permit. All 1200-C General Stormwater Construction, 5-yr. permit term expired last November 30, 2015. Permit renewals are required for all current permit holders for the next 5 year term (November, 2020).</p> <p>There were nine (13) total of developments with active 1200-C permits during this PY 24 and are as follows:</p> <ul style="list-style-type: none"> <li>• Northbrook Village 180-Unit Apartment - 22022 NE Halsey, FV</li> <li>• Northbrook Providence Site- 22100 NE Halsey, FV</li> <li>• Fairview Woods 49-Unit Apartment - NE 205th St., Fairview</li> <li>• New Fairview Elementary School - NE Main St., Fairview</li> <li>• Reynolds School District Maintenance Yard - NE Glisan St. FV</li> <li>• (2) Townsend Farms (Lots 6,19,20,21) - NE Townsend Way, Fairview, OR</li> <li>• Allwood Recyclers, Inc.- 23001 NE Marine Dr, Fairview, OR</li> <li>• All-Stor Phase II - 20918 NE Marine Dr., Fairview OR</li> <li>• Dirt and Aggregate Interchange, Inc.- NE 212th Ave, Fairview OR</li> <li>• Fairview Heights - NE Sandy Blvd, Fairview, OR</li> <li>• Environmental Works-Fairview OR</li> <li>• Mistwood Apartment-Fairview, OR</li> </ul>	No modification		Engineering Associate Engineering Technician

Section Four: City of Fairview Stormwater Management Plan Summary							Summary and Date of Proposed Adaptive Management Modifications		Responsible Party
BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status 2018-2019 (PY 24)				
<b>SWMP Element #3 - Construction Site Runoff Control</b>									
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 <sup>2</sup> 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.	Resolution 49-2013 approved compliance order agreement with Environmental Protection Agency to implement reporting requirements and standards associated with the NPDES stormwater permit which includes adoption of the Erosion Prevention and Sediment Control (EPSC) Manual from the City of Gresham (Ordinance 2-2014). The City developed a standard operating procedures for implementation of Erosion and Sediment Control Standards.  Total of 4 ( 2< 1 acre; 2> 1 acre, with 1200-C SW Construction permits) erosion and sediment control permits were issued and inspected during PY 24. Site developments of these 4 permits were less than an acre (43,560 ft.^2) of disturbed earth. 2 sites disturbed of greater than an acre were required to obtain a 1200-C General SW Construction permits from DEQ during the Planning Development Review Process.	No modification		Permit Tech Engineering Associate	
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	Erosion Prevention and Sediment Control (EPSC) manuals are provided with the erosion control permit applications during the planning development review process.	No modification		Permit Tech Engineering Associate Engineering Technician	
Construction Site Inspections	1-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.	Total of 4 Erosion Prevention & Sediment Control issued permits were inspected during PY 24. All were in total compliance with the City's Erosion Prevention & Sediment Control (EPSC) standards.  1 enforcement action was taken on Fairview Height for construction runoff and resolved.  Total of 13 EPSC with 1200-C renewed permits inspections were conducted for PY 24. Current permit holders for 1200-C site developments are monitored during 1/2 an inch. rainfall precipitation. All 1200-C General SW Construction Permits expired last November 30, 2015 and all permit holders were requested to submit a renewed 1200-C permit from DEQ for the next 5-yr. term.	No modification		Permit Tech Engineering Associate Engineering Technician	

Section Four: City of Fairview Stormwater Management Plan Summary							Summary and Date of Proposed Adaptive Management Modifications	
BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status 2018-2019 (PY 24)		Responsible Party	
<b>SWMP Element #4 - Education and Outreach</b>								
Educational Activities	Ongoing	<p>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:</p> <ul style="list-style-type: none"> <li>• Programs with local area schools</li> <li>• Programs with volunteer groups</li> <li>• Columbia Slough Watershed Council activities</li> <li>• Business Assistance Program – Private Catch Basin Cleaning</li> <li>• Spring Clean-up</li> <li>• Metro Hazardous Waste Clean-up</li> <li>• Informational kiosks at City events and City Hall</li> <li>• Doggy Don't waste bag</li> </ul>	<p>Publish stormwater related articles in the City newsletter.</p> <p>Support local education programs.</p>	<p>Track newsletter articles produced annually.</p> <p>Track activities conducted to support local education programs.</p>	<p>Large scale public education campaigns:</p> <ul style="list-style-type: none"> <li>• City of Fairview participated in Public Service Announcement (Do the right thing campaign through an IGA with the City of Gresham) with KOIN 6 TV for broadcast to provide public education services on stormwater quality program. Campaign messages are as follows:                             <ul style="list-style-type: none"> <li>• Water Do Your Part</li> <li>• Fall Lawn Care</li> <li>• Be Rain Ready</li> <li>• Pet Waste</li> <li>• RV Waste</li> <li>• Wildlife Garden</li> <li>• Cigarette</li> <li>• Hot Tub</li> <li>• Native Plants</li> <li>• Pesticides</li> <li>• Invasive</li> <li>• Metro Garden</li> <li>• Washing</li> <li>• Hiatus</li> </ul> </li> </ul> <p>Local Outreach Effort:</p> <p>City of Fairview Public Works staff maintained a booth annually at the "Fairview On The Green" event during the month of September. The booth displays Groundwater/Aquifers, Rainfall/Water Cycle and Surface Water Models and distributes brochures on stormwater education, healthy streams, low impact development programs, use of pesticides, natural lawn care/gardening techniques, erosion control best management practices, water conservation kits and other stormwater related educational subjects.</p> <p>City of Fairview is currently active with the Storm drain Cleaning Assistance Program (SCAP) (schools, apartments, industrial/commercial facilities) and the Backyard Habitat that is hosted by the Audubon Society through the City of Gresham. Other agencies that are affiliated with this program are: City of Wood Village and City of Troutdale.</p>	No modification	Engineering Associate Engineering Technician Development Analyst Event Coordinator	
					<p>Educational Outreach Articles:</p> <p>The City of Fairview utilizes the local monthly newsletter "Fairview Point" to provide educational materials related to stormwater. Applicable articles are as follows:</p> <ol style="list-style-type: none"> <li>1. Fairview on the Green</li> <li>2. Prevent Flooding of Fairview Streets Spring Clean Up</li> <li>3. Illegal Dumping Prevent</li> </ol>			
Report Illegal Dumping and Illegal Connections	Ongoing	<p>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&amp;M) Manual.</p>	<p>Respond to reports and/or complaints from citizens regarding observed water quality problems.</p>	<p>Track the number of reports/complaints received, and the follow-up actions conducted (including the timing of the follow-up action).</p>	<p>Fairview 3 citizens reported complaints this PY 24 impacting stormwater quality.</p> <p>See details on BMP 1.1 (Illicit Discharge Enforcement) and BMP 1.3 (Illicit Discharge Investigation).</p> <p>All complaints were addressed in compliance and conformance to the City of Fairview Municipal Code, Stormwater Operation &amp; Maintenance Manual and the Columbia South Shore Wellfield Protection Program. The two complaints were resolved as it turned out to be natural bio-degradation causing sheen in Fairview Creek. The second was found to be a spring occurring. The third was concluded that their sewer lateral connection to the main showed I&amp;I which will be resolved during the Interlachen Sewer Project now in PY 25.</p>	No modification	Engineering Associate PW Superintendent Code Compliance	

Section Four: City of Fairview Stormwater Management Plan Summary							Summary and Date of Proposed Adaptive Management Modifications	
BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status 2018-2019 (PY 24)		Responsible Party	
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.	The Fairview Point contains education outreach articles educating the public about harmful effects of dumping hazardous materials and waste into storm sewers or drainage channels as well as public recycling and disposal. City's website posted contact information as well about reporting illegal dumping and illegal connections (BMP 4.3). Also, staff tracks public complaints, reporting, and inquiry regarding illegal dumping, connections and other issues about harmful effects into our storm drainage system and any receiving water bodies.  There are 4 total news letter articles published during PY 24 about educational outreach on healthy environment.	No modification	PW Assistant Metro Recycling	
Participate in a Public Education Effectiveness Evaluation	Ongoing	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.		City of Fairview recently submitted "Public Education Effectiveness Evaluation" report (Schedule A.4, NPDES Permit Term 2010-2015) to DEQ last, November 1, 2015.  The City has a current IGA with the City of Gresham regarding participation in the ACWA public education effectiveness evaluation. This coordinated effort involves compilation of existing educational survey information and development of conclusions to inform how public education efforts result in behavioral change. DHM Consulting prepared a report in compliance to meet DEQ's intended requirements that pertained to general and targeted findings about evaluation on education effectiveness to public. These targeted findings are focused on pet care, car care, lawn and garden care, and home care which are distinct municipal stormwater pollutant sources where source control activities (like public education) are generally a preferred treatment approach.	No modification	Engineering Associate	
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.		City of Fairview's engineering staff (responsible reporting party) conducted (1) in-house trainings with nine (7) Public Works Operation & Maintenance staff during PY 24 (June 19, 2019). Topics discussed were: Stormwater Management on Facilities / Stormwater Operation & Maintenance Standard Operating Procedures (SOP) / SW Regulatory Compliance / Spill Prevention and What To Do When You Have a Spill Emergency Protocol & Contact Information.  The responsible reporting party (Civil Engineering Technician) has attended a total of 6 committee meetings, trainings (actual and on-line), seminars, workshops and trainings during PY 24 (July 1, 2018 to June 30, 2019, which are as follows:  1. 11/14/2018 - ACWA Joint SW/GW?Education Meeting 2. 01/02/2019 - ACWA/DEQ Meeting 3. 02/13/2019 - Stormwater Technology Testing Center Tour 4. 03/06/2019 - BMI Confined Space Entry Safety Awareness 5. 03/13/2019 - ACWA SW Meeting 6. 03/25/2019 - ACWA Meeting 7. 04/09/2019 - MS4 Phase 1 Meeting 8. 08/22-23/2019 - CESCL Training 9. 09/06/2019 - DEQ Permit Renewal Meeting 10. 09/06/2019 - DEQ Permit Renewal Meeting 11. 09/12/2019 - ACWA Meeting	No modification	Engineering Associate PW Superintendent Development Analyst	

Section Four: City of Fairview Stormwater Management Plan Summary							Summary and Date of Proposed Adaptive Management Modifications		Responsible Party
BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status				
					2018-2019 (PY 24)				
<b>SWMP Element #5 - Public Involvement and Participation</b>									
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	Public review and comments were solicited for public participation through publication on the City's website, Oregonian Newspaper and Oregon Live Media on NPDES MS4 annual compliance report during PY 24.  City of Fairview has published the (updated 2015) Stormwater Management Plan (SWMP) and the Pollutant Load Reduction Benchmarks (PLRB) in the City's website, Oregonian Newspaper and Oregon Live Media for public review and comments, this PY 24.	No modification		Engineering Associate	

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BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status 2018-2019 (PY 24)	Summary and Date of Proposed Adaptive Management Modifications	Responsible Party	
<b>SWMP Element #6 - Post-Construction Site Runoff</b>								
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"> <li>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.</li> <li>Community Development Department—Land Use and Building Permits; Land Use Code Enforcement.</li> <li>Title 19, Development Code—requires accommodation and treatment of stormwater runoff and system installation conforming to standards and specifications adopted by the City.</li> <li>City of Fairview Standard Specifications for Public Works Construction</li> </ul>	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.	There were 5 total development reviews for private stormwater management facilities and 0 development reviews for agency stormwater management facilities conducted this PY 24.  Private Stormwater Management Facilities: <ul style="list-style-type: none"> <li>Raze/Haq (Halsey and 207th)</li> <li>Ceeley Project-Mixed 33 Units/Commercial</li> <li>Futsal Court-Reynolds School District</li> <li>AGC Heat Warehouse (230th)</li> <li>Townsend Lot 19,20,21</li> </ul> There were no development reviews for Agency Stormwater Management Facilities for this PY24  The City has recently updated both municipal and private stormwater facilities on GIS mapping. New polygon layers were created for both municipal and private stormwater facilities and sub-basins. New identified and updated facilities and their attributes were integrated in the City's GIS system, this PY 24. Newly found errors call for re-assessment of previous work for targeted for Summer of 2020 (PY 25-26)	No modification	Permit Tech Engineering Associate Map Tech	
					City of Fairview is currently using the 2016 City of Portland's Stormwater Management Manual as a reference for CIP projects, developers, consulting firms and builders. In the future the City is planning to adopt the City of Gresham's SW Management Manual as a reference for guidelines implementation. City of Fairview's Standard Specifications, Standard Drawings and Design Standards (1) document has been updated by Consultant. Fairview's Stormwater Management Plan was updated last 2015 by Consultant as well.			
Review Applicable Code and Development Standards related to Stormwater Management	1-Jan-14		Review and the City's current stormwater treatment standards for compliance with new MS4 NPDES permit language by January 1, 2014. Review the City's current public works development code provisions to ensure that applicable barriers related to the use of Low Impact Development techniques are minimized and eliminated where practicable by January 1, 2014. If necessary, update the City's post-construction stormwater design standards and code language.	Track progress related to the review of the City's code and development standards per provisions in the MS4 NPDES permit.	City of Fairview's Resolution 49-2013 approved compliance order agreement with Environmental Protection Agency (EPA) to implement reporting requirements and standards associated with the NPDES MS4 stormwater permit which includes adoption of the Erosion Prevention and Sediment Control (EPSC) Plan from the City of Gresham. The Erosion Control Plan Review, Inspection and Enforcement Standard Operating Procedures describe the roles and responsibilities of Public Works Inspectors, acting as the lead Erosion Control Inspector with respect to erosion control-related plan review, inspections, documentation, and enforcement and serves as the City of Fairview's Standard Operating Procedure (SOP).	No modification	Engineering Associate Development Analyst	

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			Document the City's post-construction inspection and enforcement response procedures by January 1, 2014		Low Impact Development (LID) design methodology and the post-construction stormwater design standards will be investigated to ensure it is in compliance with current public works development code.			
Design Standards for Public Projects	Ongoing	Follow the Standard Specifications for Public Works Construction which requires treatment of stormwater runoff through the use of BMPs. Maintain database of BMPs that are implemented.	Ensure that public works stormwater related projects address treatment of runoff as appropriate.	Number and type of public stormwater quality BMPs built.	The following CIP projects are identified in the project list of the Consolidated SW Master Plan (CSMP) and were designed/constructed this PY 24; are as follows:  <ul style="list-style-type: none"> <li>• NE 7th St. (Main to Depot) Right-of-Way Improvement Project: All" County Surveyors (Consultant) has completed the design and construction" this PY 26.</li> <li>• Interlachen Sanitary Pipe assessment and evaluation: Pre-design milestone"was achieved and construction is anticipated Ln PY 2.</li> <li>• Capital Project AM-1: Stormwater Infrastructure and Asset Management" was newly added CIP capital project to allocate funds annually to establish a" stormwater asset replacement and maintenance fund that would be used to" replace and maintain public infrastructure.</li> <li>• FV-8a: Resulted in .8 acre of retrofit and reconstruction of the whole" Chinook detention pond.</li> <li>• FV9-Fairview Lake Bank Stabilization: Bank stabilization measures and" planting to address erosion of bank at Lakeshore City Park (acreage still do" be determined as plants needed re-establishments) Will check on current" condition by November 1, 2019.</li> </ul>	No modification	Engineering Associate Engineering Technician	
					Pavement Surface Treatment Maintenance - No Crack Seal and one Slurry Seal projects were completed this PY 24.			

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<b>SWMP Element #7 - Pollution Prevention for Municipal Operations</b>								
O&M Plan	1-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	There were no new implementation to the procedures in the O&M Plan.	No modification	Engineering Associate PW Superintendent Storm Lead Worker	
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.		City of Fairview maintains an IGA with Multnomah County for road maintenance activities. Road maintenance activities performed at county roads this PY 24, are as follows:  <ul style="list-style-type: none"> <li>• Catch basins cleaning - two times: September and October.</li> <li>• Roadside mowing - As needed</li> <li>• Roadside brushing - Once or twice a year</li> <li>• Route sweeping - 5 times: Aug, Oct, Dec, Jan and April</li> <li>• Misc. sweeping (snow gravel pick up)</li> <li>• Crack Sealing Pavement Preventive Maintenance - None this PY 24, due to severe weather conditions.</li> <li>• Pavement Marking Restoration - None this PY 24</li> </ul>	No modification	PW Superintendent	
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 conducted a total of 5 street sweeping this PY 24. Please see details above, Right of Way operation and maintenance.	No modification	PW Superintendent	
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, sand and gravel were removal.	There was one de-icing event that took place during this PY24: <ul style="list-style-type: none"> <li>• Once in December, 2018</li> </ul>	No modification	PW Superintendent	
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.	Applicants for riparian buffer permits were encouraged to use native vegetation that is self sustainable without the need for pesticides or herbicides and to be in compliance with FMC chapter 19.106. This is implemented during the Natural Resources Land Use permitting process.  There were (1) dock and (1) riparian buffer permits issued.	No modification	Associate Planner	

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BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status 2018-2019 (PY 24)	Responsible Party		
Integrated Pest Management	Ongoing	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"> <li>• Timing of chemical applications to avoid runoff.</li> <li>• Mowing high grass and brush to reduce weed seed crops in rough areas.</li> <li>• Pruning of trees and shrubs to increase air circulation to reduce susceptibility to disease and insect problems.</li> <li>• Appropriate fertilizing to encourage plant health and resistance to pests (i.e., weeds, insects and disease).</li> <li>• Using plants with natural resistance to pests.</li> <li>• 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.</li> </ul>	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.	Track City planting projects that incorporate native plants.	There were total of 27 City of Fairview neighborhood parks and recreation (Total of 443.56 acres) that were treated with approved Portland Parks and Recreation pesticides, this PY 24. In addition, there are 4 Metro parks and 3 Reynolds School District parks. Most of these parks were only treated with a mixture of herbicides as needed for evasive or unwanted native vegetation. Planting native vegetation were also incorporated in the City planting projects and during maintenance activities.  Our Parks & Recreation Lead worker had been in total compliance in renewing his chemical applicator license biennially. Also, he attends seminars and trainings related to Parks and Recreation Pest Management presentations.	No modification	Parks Lead Worker	
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	City of Fairview's Park Lead Worker is a certified Oregon Department of Agriculture (ODA) chemical applicator who updates his certification on biennial renewal period. All events involving chemical applications are supervised by the Park Lead Worker.	No modification	Parks Lead Worker	
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	Public Works crew regularly monitored our Corporation Yard Dumpster facility known as the Crestwood Shop. Collected waste from municipal litter receptacles is collected and stored in this covered dumpster and collected by City's garbage hauler on a weekly basis. Storm run-off from the site is treated with Oil-Water separator / Concrete Structural Containment Vault (filter cartridges by Contech) / Bio-swale Retention Pond. Also, stockpile of construction materials needed for maintenance activities are covered and bermed to protect migration from run-off and wind erosion.	No modification	Engineering Associate	
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.	City of Fairview conducts public outreach through Fairview Outlook monthly magazine on healthy watershed campaign. One of the topics is about "Dog Waste Scooping" and dog waste bag receptacles are provided in every City Park.  There are 43 litter receptacles that are maintained and collected once a week and after significant events.	No modification	Parks Lead Worker	

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BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status 2018-2019 (PY 24)			
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.	A high profile sanitary sewer rehabilitation project is under pre-design milestone by a Qualification Based Selected Consultant. It is the Interlachen Sanitary Sewer Pipe Rehabilitation, which is about 50-yr old sewer piping system. Project completion is forecasted on PY 23. There are talks on having Halsey Street Sewer Rehab designed to address I&I issues in PY25	No modification	Engineering Associate Engineering Technician	
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.	<p>City of Fairview has updated the Consolidated Stormwater Master Plan (CSMP), CIP project list by Brown and Caldwell on January 1, 2019.</p> <p>The following CIP projects are identified in the project list of the Consolidated SW Master Plan (CSMP) and were designed/constructed this PY 24; are as follows:</p> <ul style="list-style-type: none"> <li>• GN-4, Hydraulic System Modeling: City of Fairview has awarded the professional services to Cardno for the SW modeling this PY 22.</li> <li>• NE 7th St. (Main to Cedar) Sidewalk, Storm, Street Improvement Project: Grant proceeds from Community Development Block Grant (CDBG). Release order of \$66,282.00 was awarded to Fairview as the CDBG funding for this PY 22. The project close-out was May 2017 (PY 22).</li> <li>• NE 7th St. (Main to Depot) Right-of-Way Improvement Project: All County Surveyors (Consultant) has completed the design and construction is also anticipated this PY 22.</li> <li>• Interlachen Sanitary Pipe assessment and evaluation: Pre-design milestone was achieved and construction is anticipated on PY 23.</li> <li>• Capital Project AM-1: Stormwater Infrastructure and Asset Management was newly added CIP capital project to allocate funds annually to establish a stormwater asset replacement and maintenance fund that would be used to replace and maintain public infrastructure.</li> <li>• FV-8a: Resulted in .8 acre of retrofit and reconstruction of the whole Chinook detention pond.</li> <li>• FV9-Fairview Lake Bank Stabilization: Bank stabilization measures and planting to address erosion of bank at Lakeshore City Park (acreage still do be determined as plants needed re-establishments) Will check on current condition.by November 1, 2019.</li> </ul>	No modification	Engineering Associate PW Superintendent	

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BMP Name	Compliance Date	BMP Description	Measurable Goals	Tracking Measures	Status 2018-2019 (PY 24)			
<b>SWMP Element #8 -Structural Stormwater Facility Operations and Maintenance</b>								
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.	The following are City of Fairview's stormwater quality facilities that are structurally inspected and operationally maintained annually: • Catch Basins: A total of 490 and are divided into 3 zones for maintenance purposes. Zone 1 (189 CBs), Zone 2 (176 CBs) and Zone 3 (125 CBs). Each zone is inspected and maintained annually. Zone 2 was inspected by city staff and cleaned by Multnomah County crew, this PY 24. City of Fairview has an Inter-Governmental Agency (IGA) with Multnomah County with respect to catch basin cleaning; however, inspection and monitoring is done by Fairview O & M staff. City of Fairview's O & M crew reverted from using mobile tablet / iPad for field inspection and monitoring and has completed the structural and maintenance inspections of the following stormwater facilities last PY 23: • Outfalls: 38 total (9 High Priority Outfalls) • Underground Injection Control Facilities (UICs) / Sumps and Sedimentation Manholes: 3 total • Rain Gardens: 4 total • Detention Ponds: 4 total • Flow Control Manholes: 4 total • Vortex Manholes: 3 total • Trash Racks: 3 total • Weir: 1 total • Oil Water Separator: 1 total • Storm Cartridges/Filters: 2 total • Natural Streams • Bio-filtration Swales • Detention Pipelines	No modification		Engineering Associate Storm Lead Worker PW Superintendent Map Tech
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.	"City of Fairview engineering staff participates during pre-application and engineering review routing process for permit acquisition on new private and public agency development and re-development. The reporting staff manages review, comments and feedbacks on plans, specifications, stormwater report and calculations during the review process. It is one of the requirements from the consultants and project owners to include submittal of Operation and Maintenance Agreement (to be permitted with Multnomah County) on stormwater facilities maintenance activities at post-construction period. There are 1 total of new private developments conducted for permitting process this PY 24: are as follows:  • Environmental Work-Warehouse There was 1 one total of private regulated stormwater business facilities inspected during PY 23; are as follows: • Knight Transportation	No modification		Engineering Associate