



City of Oregon City, Oregon

National Pollutant Discharge Elimination System Municipal Separate Storm Sewer System Discharge Permit

2023–2024 Annual Report

Prepared for the

Oregon Department of Environmental Quality

December 1, 2024

Assisted By:



CITY OF OREGON CITY

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MUNICIPAL STORMWATER SYSTEM ANNUAL REPORT**

JULY 1, 2023 – JUNE 30, 2024

I, the undersigned, hereby submit this National Pollutant Discharge Elimination System (NPDES) Municipal Stormwater System Annual Report in accordance with NPDES Permit No. 101348. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person, or persons, who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ Vance Walker Public Works Operations Assistant Director City of Oregon City	Date
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1.0 INTRODUCTION

1.1 NPDES MS4 Permit Background and Permit Renewal

The Oregon Department of Environmental Quality (DEQ) regulates stormwater runoff from the City of Oregon City (City) through the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit (Permit) No. 101348, issued to Clackamas County and its co-permittees. Clackamas County co-permittees include the City of Oregon City along with the cities of Lake Oswego, Gladstone, West Linn, Milwaukie, Wilsonville, Happy Valley, Johnson City, and Rivergrove, the Oak Lodge Water Services District, Water Environment Services, and Clackamas County. Each co-permittee is a relatively small community, most having populations under 30,000 with some (Johnson City, Rivergrove) having populations significantly smaller.

The Current permit was issued in 2021 and became effective October 1st of that year. The Permit Renewal Application required an evaluation of proposed program and Stormwater Management Plan (SWMP) modifications, development of Total Maximum Daily Load (TMDL) benchmarks, mapping, a maximum extent practicable (MEP) evaluation, updates to the City's environmental monitoring program, and an evaluation of proposed service area expansions and associated pollutant load estimates. The City's renewed NPDES MS4 Permit became effective on October 1, 2021.

Each co-permittee is required to submit an annual report, summarizing accomplishments and implementation of their individual SWMPs. This annual report documents stormwater management activities from July 1, 2023, to June 30, 2024 in conjunction with the City's 2021 NPDES MS4 Permit. Oregon City submitted a new SWMP that reflects the requirements of the 2021 NPDES MS4 Permit in November, 2022. DEQ accepted the new SWMP in March of 2023. The 2022 SWMP measurable goals were accomplished for the reporting year 2023 – 2024.

1.2 Document Organization

Table 1 outlines the organization of this annual report document, with respect to the annual reporting requirements per Schedule B.5 of the City's 2021 – 2026 Permit. Reporting year 2023-2024 is the first full year that Oregon City began implementing the new SWMP as reflected in Appendix A "measurable goals" and "tracking measures."

Table 1: Summary of the NPDES MS4 Annual Report Requirements

Annual reporting requirement	Location in document
a) Status of implementing the stormwater management program and each control measure program element in Schedule A.3, including progress in meeting measurable goals and program tracking and assessment metrics identified in the SWMP Document.	Appendix A
b) A summary of the adaptive management implementation and any changes or updates to programs made during the reporting year, including rationales for any proposed changes to the SWMP, and review of related new and historical monitoring data. This summary should also include discussion of the implications of or any findings related to recent years' adaptive management and/or changes made to the SWMP Document.	Section 2.0
c) Any proposed changes to SWMP program elements that are designed to reduce TMDL pollutants.	Section 2.0
d) A summary of education & outreach and public involvement activities, progress toward or achievement of measurable goals, and any relevant assessment of those activities. This should include planned adaptive management or other program enhancements to occur in the following years.	Appendix A and Appendix B
e) A summary describing the number and nature of enforcement actions, inspections, and public education programs, including results of ongoing field screening and follow-up activities related to illicit discharges.	Appendix A (BMP IL-3 and IL-4)
f) A list of entities referred to DEQ for possible 1200-Z NPDES general permit coverage based on co-permittee screening activities, a list of categories of facilities inspected, and an overview of the results of inspections of commercial and industrial facilities.	Appendix A (BMP IC-1)
g) A summary of total stormwater program expenditures and funding sources over the reporting fiscal year, and those anticipated in the next fiscal year.	Section 3.0
h) A summary of monitoring program results, including monitoring data that are accumulated throughout the reporting year submitted in the DEQ-approved Data Submission Template, and any assessments or evaluations of that data completed by the co-permittees or an authorized third party.	Section 4.0 & Data Submitted Online
i) Any proposed modifications to the monitoring plan that are necessary to ensure that adequate data and information are collected to conduct stormwater program assessments.	Section 4.0
j) An overview, as related to MS4 discharges, of concept planning, land use changes and new development activities (including the number of new post-construction permits issued) that occurred within the UGB expansion areas during the reporting year, and those forecast for the following year, where such data is available.	Section 5.0
k) The details of all corrective actions implemented during the reporting year.	All corrective actions were covered under the Illicit Discharges Program (see BMP IL-3 in Appendix A)

^a Enforcement actions, inspections, and public education programs are included in the City's SWMP as BMPs, and are reported along with the status of implementing all components of the SWMP in Appendix A.

Each section of this report corresponds to the specific Permit requirements in Schedule B.3. This report emphasizes efforts and activities associated with individual Best Management Practices (BMPs) from the City's 2022 SWMP, as summarized in Appendix A.

The City's annual report for the Willamette Basin TMDL Implementation Plan is included as Appendix C.

2.0 ADAPTIVE MANAGEMENT PROCESS IMPLEMENTATION

2.1 Adaptive Management Program

In accordance with the issuance of the City's NPDES MS4 Permit (in 2012), the City was required to document their adaptive management approach to assess annually and modify, as necessary, existing and new SWMP components. The City submitted their approach to DEQ on November 1, 2012.

Historically, the City has implemented adaptive management principals to annually refine implementation methods and data collection activities in conjunction with their effective SWMP and BMPs. More significant modifications to SWMP activities occur every 5 years, in conjunction with their Permit renewal application and updated Permit requirements. The City's submitted adaptive management approach is consistent with the City's historical approach for implementing adaptive management principals.

Annually, as the City completes their NPDES MS4 annual report, the City reviews SWMP implementation through BMP-specific measurable goals and tracking measures. The City collects data and feedback from staff responsible for implementing and reporting on each BMP to gage whether implementation was deemed to be effective or whether there are suggested improvements to be made. Suggested adjustments to BMP implementation include consideration of resource availability, budget/ funding, and overall need.

Every 5 years, during the Permit renewal process and SWMP update effort, additional factors are considered as part of the City's overall adaptive management process. These factors include more detailed information related to BMP implementation, such as:

1. Whether technology or information is available that would help improve or refine BMPs,
2. How representative are the measurable goals and tracking measures to the BMP objective, and
3. Are resources available to make changes to the measurable goals and BMP objectives?

Additionally, at the end of the Permit term, technical investigations and studies completed over the Permit term are reviewed and used to help target and identify specific issues that need to be addressed to maintain waterbody health and help formulate BMP activities (measurable goals and tracking measures). During the 2012-2017 Permit term, such technical studies included a water quality trends analysis, pollutant load reduction evaluation, hydromodification assessment, and a retrofit assessment.

During the 2016-2017 Permit renewal application process, the City, with the assistance of a consultant, reviewed the adaptive management evaluation factors and the studies listed above. This information informed the City's MEP evaluation and proposed SWMP changes submitted as part of the Permit Renewal Application. Proposed program changes were categorized as an organizational change, a removed activity (due to completion), an implementation change (due to identified efficiencies and adjustments to internal processes and procedures), and a change due to consolidation of activities. An updated (2017) SWMP was also included, reflecting refinement of BMPs, measurable goals, and tracking measures, for use in future permit negotiations and reissuance. After the new Permit was issued in 2021 the city, with the help of a consultant, developed a new SWMP and submitted it in November of 2022 and it was accepted by the DEQ in March of 2023.

2.2 SWMP Updates for the 2023 – 2024 Reporting Year

The 2023-2024 reporting year is the first year in which the City's current 2022 SWMP has been implemented. The new SWMP was produced with measurable goals and tracking measures, to reflect the new 2021 Permit and was accepted by the DEQ in March 2023. December 1, 2023, and December 1, 2024, minor changes were made to the SWMP and are summarized in a Revisions Log which is included as Appendix C of the SWMP. For this reporting year, BMP PI-3 (Stewardship Catch Basin Marking), was revised and renamed. The BMP PI-3 commitments were to install or replace catch basin decals on 5 percent of catch basins each year and to sponsor at least one catch basin marking event for volunteers each year. Decals have now been applied at most all of the public catch basins. So, this BMP has been revised so that the new BMP commitments are to apply decals to any newly constructed public catch basins and to replace decals when/if they are observed to be fading, detached or deteriorating. In addition, given this is no longer a public involvement/volunteer activity, this BMP was moved to Category A: Education and Outreach, and renamed as EO-4 - Catch Basin Marking.

2.3 Monitoring Plan Updates for the 2020 – 2021 Reporting Year

As documented previously, the 2017 Comprehensive Clackamas County Stormwater Monitoring Plan (CCCSMP) is the effective monitoring plan for the City of Oregon City. The CCCSMP was updated in June of 2023 to reflect the new (2021) Permit monitoring requirements (Mercury, Pesticides, Dissolved Organic Carbon, & Alkalinity). The new monitoring plan became effective July 1, 2023, and covers the extent of this report's monitoring period.

3.0 SUMMARY OF PROGRAM EXPENDITURES

A summary of the City of Oregon City's revenue and expenditures for the 2023–2024 fiscal year and a projection of the City's revenue and expenditures for the 2024–2025 fiscal year are provided in Table 2, below. Projection of expenditures is considered draft at this time.

Table 2: Summary of Program Expenditures

Stormwater Fund (530)

City of Oregon City

	Fiscal Year			
	2023 Audited Actual	2024 Unaudited Actual	2025 Adopted Budget	2026 Projected Budget
Beginning Fund Balance	\$ 3,032,621	\$ 3,329,649	\$ 1,748,800	\$ 849,000
Stormwater Fee Rates (per EDU per month)	Rate = \$11.72 / \$12.66 8% rate increase	Rate = \$12.66 / \$13.68 8% rate increase	Rate = \$13.68 / \$14.77 8% rate increase	Rate = \$14.77 / \$15.95 8% rate increase
Revenues				
Charges for Service	3,605,789	3,946,580	4,254,800	4,382,500
Intergovernmental	10,566	661	-	-
Interest Income	65,052	123,086	21,000	21,000
Miscellaneous Income	30,269	5,442	-	-
Erosion Control Permits	19,759	11,176	20,000	20,000
Project Management	103,993	16,563	63,600	63,600
TOTAL Revenues	3,835,428	4,103,508	4,359,400	4,487,100
Expenditures				
Personnel Services	1,196,357	1,442,798	1,547,500	1,617,200
Materials & Services	1,305,767	1,538,428	1,645,200	1,694,600
Capital Outlay Totals	509,795	406,700	1,590,000	805,000
Debt Service	1,481	1,481	1,500	1,500
Total Transfers	525,000	452,000	475,000	475,000
TOTAL Expenditures	3,538,400	3,841,407	5,259,200	4,593,300
Change in Fund Balance	297,028	262,101	(899,800)	(106,200)
Ending Fund Balance	\$ 3,329,649	\$ 3,591,750	\$ 849,000	\$ 742,800
Capital Outlay - Details				
Operations New Equip. >\$5000	\$ -	\$ -	\$ 5,000	\$ 5,000
Capital Construction	509,795	406,700	1,585,000	800,000
	\$ 509,795	\$ 406,700	\$ 1,590,000	\$ 805,000
Transfers - Details				
Transfer to Building Reserve	\$ 300,000	\$ 200,000	\$ 200,000	\$ 200,000
Transfer to Equipment Replacement	225,000	252,000	275,000	275,000
	\$ 525,000	\$ 452,000	\$ 475,000	\$ 475,000

4.0 MONITORING DATA

4.1 Development of the Comprehensive Clackamas County Stormwater Monitoring Plan (CCCSMP)

To meet the requirements of the 2021 Permit, the Clackamas County Comprehensive Stormwater Monitoring Plan (CCCSMP) was updated and submitted to DEQ in March 2022. Based on a subsequent DEQ permit modification related to monitoring (initiated January 2023), the CCCSMP was updated again and resubmitted to DEQ on May 30, 2023. The new plan was accepted by DEQ on June 7, 2023 and became effective July 1, 2023. The new plan reflects updates to pesticide monitoring frequencies. This is the first annual report (2023/2024) to reflect implementation of the 2023 version of the CCCSMP.

As described in the CCCSMP, the NPDES MS4 stormwater monitoring program requires two components. The first component is program monitoring, which involves the tracking and assessment of programmatic activities, as described in the individual permittees SWMP, through the use of performance indicators or metrics. Results of the program monitoring are reported in Appendix A as the annual tracking measures. The second component is environmental monitoring, which includes visual monitoring and the actual collection and analysis of samples. Visual monitoring efforts for the 2022–2023 reporting year included dry weather field screening, as described in the City's SWMP under the IL- 4: "Dry Weather Field Screening." Results of the visual monitoring efforts are reported in Appendix A under the applicable BMP. Environmental monitoring also consists of instream sample collection and outfall sample collection, and the City's sampling efforts are outlined in more detail in Sections 4.2 and 4.3 and in the CCCSMP. Results of the instream and outfall sample collection efforts for this reporting year have been submitted to DEQ in the required format as per their request.

4.2 CCCSMP Updates and Modifications for the 2023–2024 Reporting Year

The 2023-2024 reporting year is the first full year implementing the revised 2023 CCCSMP.

4.3 Summary of Monitoring Data

In accordance with the 2023 CCCSMP, Oregon City is required to conduct instream and outfall monitoring. Routine instream monitoring is required at six locations reflecting four tributaries to the Willamette River. Outfall monitoring is required at two outfall locations that discharge to the Clackamas River. Time-weighted composite (during storm events) and single grab samples are taken in accordance with the frequencies outlined in Table 3 below. During the 2023 update of the CCCSMP Outfall locations 6 and 7 were re-labeled as 8 and 9 respectively. Oregon City requested they be changed back to avoid confusion in sampling records, but the change never made it into the final Draft. To maintain consistency with the approved CCCSMP all samples from outfall locations, previously, sites 6 & 7 will now be reported as 8 & 9 respectively.

During the 2023-2024 monitoring year, the City of Oregon City collected all required outfall samples (three events at two sites, 8 & 9) and instream samples (four events at six sites, 10-15). Complete sampling results are submitted to DEQ's YDO website annually before the 1st of December. The sampling results for each reporting year are entered in the format provided by DEQ "MS4GrabSampleSubmission-V6.xlsx" to simplify the data review process.

Table 3: 2021–2022 Oregon City Monitoring Locations and Required Frequencies

Site #	Location	Sample Type	Required Frequency	Routine Sampling
In-Stream Monitoring				
OC010is	Abernethy Creek at 17082 Holly Ln (Holly Ln Bridge)	Grab & Composite	4/year	Dry Weather (2/year) and Wet Weather (2/year)
OC011is	Abernethy Creek at 316 17th St (17th at railroad trestle)	Grab & Composite	4/year	Dry Weather (2/year) and Wet Weather (2/year)
OC012is	Coffee Creek behind 415 S McLoughlin (outfall at Willamette)	Grab & Composite	4/year	Dry Weather (2/year) and Wet Weather (2/year)
OC013is	Park Place Creek behind 13530 Redland Rd	Grab & Composite	4/year	Dry Weather (2/year) and Wet Weather (2/year)
OC014is	Singer Creek at the north end of Singer Creek Park (Linn Ave)	Grab & Composite	4/year	Dry Weather (2/year) and Wet Weather (2/year)
OC015is	Singer Creek 502 7th St (MH - 37138 located on Center St)	Grab & Composite	4/year	Dry Weather (2/year) and Wet Weather (2/year)
Outfall Monitoring				
OC008ofm*	Clackamas River at O.C. Shopping Center	Composite	3/year	Storm Event
OC009ofm*	Clackamas River at Clackamette Cove	Composite	3/year	Storm Event

* Outfall sites were accidentally renamed during the CCCSMP 2023 update. Locations remain the same and just have new labels.

5.0 Overview of Planning and Land Use Changes, UGB Expansions and New Development Activities

5.1 Summary of Land-Use Changes and UGB Expansions

The following land use/ zoning changes and/or annexations were approved by the City between July 1, 2023, and June 30, 2024:

- Zone Changes: No zone changes between 7/1/23-6/30/24
- Annexations: No annexations between 7/1/23-6/30/24

5.2 Summary of Development Activities within the UGB

During the reporting year 2023 – 2024, there were 0 development applications (0 were constructed and placed in operation, 6 were permitted in the previous reporting year but 1 is not yet in operation and 2 are newly under construction and 0 applications are in some phase of design and 0 were in the planning and plan review phase of development) reviewed and approved for compliance with water quality/water quantity standard.

6.0 ADDITIONAL ACTIVITIES

There was 1 public improvement project (CIP), including a water quality and/or flow control project, for this reporting period. Details of these projects can be found in Appendix A, AP-4 (The 1 project is Beemer Way outfall).

BMP AP-1 – Ensure Municipal Staff Training in Stormwater Pollution Prevention

There were 96 stormwater related meetings and trainings recorded for the 2023-2024 reporting period. Dates, topics, and attendees are summarized below in Table 4 on the next page.

Table 4: Staff Meetings and Training

2023-2024

Date/Time	Attendees	BMP's /Topics	Items Discussed	Next Steps/Program
7/18/2023	Marcos Kubow & Krista Reininga	NPDES MS4 Permit and TMDL support	Discussed contract renewal and elected officials presentation	Get new contract approve by city Council.
7/20/2023	Marcos and Clackamas Co-permittee meeting	Second quarterly Clackamas Co-permittee Committee meeting	EcoBiz plug, Mercury monitoring update, Multi-residue Pesticide screen & upcoming deliverables	Ensure PAL can test for analytes listed in our new monitoring plan.
7/24/2023	Marcos Kubow, Eric Hand, Vance Walker, and John Lewis	Water Quality Check-in	Permit deliverables, Program successes and failures, and Future steps.	Prepare for elected officials presentation on 06SEP23.
8/1/2023	GW Committee (ACWA)	UIC permit renewal comment period	discussed new UIC permits first comment period for city of Gresham	Inquire where Chloride limit was set and Determine if DEQ has statistical evidence to support said limit.
8/1/2023	Marcos & CRC Lawn Campaign Task Force	Data grabs for advertisement research	addressing 2 separate audiences for the add campaign throws us over budget	Address issue to the collective and determine whether to pare down or go over budget.
8/7/2023	Marcos Kubow & Mallory Ott	Instream Monitoring	Sampled all 6 stream locations for first Dry-weather stream monitoring	Wait for results from lab and record for annual reporting.
8/10/2023	Marcos Kubow & Mallory Ott	Dry weather field screening	Accessed sites 1-6 in the dry weather field screening SOP. Site 7-9 were overgrown	reach out to STM/WW department for assistance clearing vegetation.
8/10/2023	Marcos & Rick Martin	Ind/com. Re-inspection	Rick Martin Physically demonstrated how the RO wastewater is now poured down the sanitary sewer.	Close file and incorporate violation in annual report to DEQ.
8/15/2023	Marcos Kubow and Krista Reininga	NPDES MS4 Permit and TMDL support	Discussed TMDL IP 5-year review and best way to provide evidence	Discuss Plan of attack with PW Director.

8/16/2023	Marcos Kubow, John Lewis, Eric Hand, & Vance Walker	TMDL Implementation Plan (TIP) Survey, Plan of attack	Addressed knowledge gaps from survey and discuss how to fill them.	Verify submission logistics with DEQ and confirm all answers with Brown & Caldwell.
8/23/2023	Marcos & the RCCRS committee	Annual Coalition report summary	Discussed accomplishments for the year and what the plans are moving forward	Circulate Infographic for artwork competition. Finalize specifics for lawn campaign budget.
8/24/2023	Marcos, RCCRS, & KPTV advertising	Annual Advertising Statistics report	Discuss Campaign advertising strategies and source prioritization.	Consider using other media companies if followers continue to drop.
8/24/2023	Marcos, John Lewis, & Jayson Thornburg	Trillium Park Dr. Natural Area Enhancement Project	Restoration logistics and timeline	Re-engage Community partners and prepare to release park responsibilities to private entities.
8/29/2023	Marcos & Krista Reininga	NPDES MS4 Permit and TMDL Check-in	Discuss progress on Hydromodification/Retrofit & IND/COMM Facility inspection Strategy	Reach out to Engineering department to fact check info hydromod CIPs.
9/1/2023	Marcos & Tom Gaskill	Abernathy Shade project contract renewal	Discussed correction needed for approval of Scope of work	Complete Scope of work and Sign Contract.
9/6/2023	Marcos & Clean Rivers Coalition	Budget & lawn campaign survey	Discussed specifics of survey and determine whether or not we can make cost cuts somewhere	Test prototype survey on public to fine tune the questions for maximum effectiveness.
9/7/2023	Marcos & ACWA water quality committee	Annual Report Summary	Discussed all accomplishments of the year and goals for next year.	Continue to Fiscally support ACWA and engage in committee meetings
9/12/2023	Marcos & Krista Reininga	NPDES MS4 Permit and TMDL Check-in	Discussed gaps in Erosion Control program with escalating enforcement.	Develop SOP for erosion control inspection and penalty process.
9/12/2023	Marcos & ACWA Stormwater Committee	Annual Report Summary	Discussed all accomplishments of the year and goals for next year.	Continue to Fiscally support ACWA and engage in committee meetings

9/13/2023	Marcos & ACWA Groundwater Committee	Annual Report Summary	Discussed all accomplishments of the year and goals for next year.	Continue to Fiscally support ACWA and engage in committee meetings.
9/20-22/2023	Marcos & NW + Catalyst Conference	Education & Outreach; methods and strategies.	3-day workshop that establishes the scientific method for reaching out to the public	Follow NW + Catalyst news letters and alumni open mic nights.
9/25/2023	Marcos Kubow and Brian Monnin	Education & Outreach	Search for missing data of meetings & trainings	Gap in data remains and was documented in the 22/23 annual MS4 report.
9/26/2023	Marcos, Planning commission, 7 contractors	Hydromodification & retrofit of dated stormwater facility	Pre-Application review of all necessary documentation for approval of construction Permit	Wait for submission of documents and insure they are in compliance with the city's storm design standards.
9/26/2023	Marcos Kubow & Krista Reininga	NPDES MS4 Permit and TMDL Check-in	Hydromodification update document knowledge gaps.	Reach out to Engineering department to fill in knowledge gaps.
9/27/2023	Marcos, CRC, & Marketing for change	Education & Outreach	Marketing strategy exceeds the budget and elements must be cut from the campaign	Focus Weed'n'feed intervention on the "Maxes" (ones how believe they know everything about lawn care).
10/11/2023	Marcos Kubow & Krista Reininga	NPDES MS4 Permit and TMDL Check-in	Industrial/Commercial Facility strategy and Erosion Control SOP	Follow up with John Burrell on escalating enforcement and Review Salems EC SOP.
10/13/2023	Marcos K. & Eric Hand	Temperature TMDL	Discussed how to quantify Riparian tree plantings on public lands	Review last four years of TMDL annual reports and correspond with Parks and recreation department.
10/16/2023	Marcos, John Lewis, & Jayson Thornburg	Temperature TMDL	Visited recent CIP on Trillium park drive and discussed division of labor to maintain restoration effort of the riparian corridor.	Arrange a meeting with Providence medical and Trillium park HOA to divide labor efforts and expand restoration area.

10/17/2023	Marcos Kubow & Krista Reininga	NPDES MS4 Permit and TMDL Check-in	Review of Municipal code for LID barriers and Technical review Memo for DEQ	No Barriers were identified in Oregon City Municipal Code Chapters 13.12, 13.16 , 17.04.707, and Stormwater and Grading Design Standard.
10/18/2023	Marcos, EPA, & guests	PFAS and Emerging Contaminant Technology	How emerging contaminants are being measured and how it will effect future contaminants	Stay up to date on sampling and analysis techniques.
10/19/2023	Marcos & Clackamas Co-permittee group	Ind/com. Facility screening and inspection process, 1200-ca Permits, & DEQ MS4 inspection process	Use SIC codes and best judgement for screening, Avoid 1200-ca Permits, IND/COM & erosion control program are priorities for DEQ inspections	Advocate for more transparency w/ 1200-z permits, Avoid 1200-ca permits, get CESCL certification and keep a close eye EC program.
11/1/2023	Marcos and elected official	Education Outreach	Introduce MS4 permit, discuss current changes & recent accomplishments	increase attention on integrated pest management and find way to minimize pesticide use in Municipal operations.
11/8/2023	Marcos & ACWA Stormwater Committee	Permit renewal & ASCE BMP Database	Discussed new requirements for phase 2 permit holders, pros and cons of detention ponds and bioretention cells	Review Gresham's long term cost benefit analysis of ponds vs planters.
11/16/2023	Marcos Kubow & Kevin Petty	Water Quality instream monitoring	Collected sample at all 6 sites and deliver to Alexin analytical laboratory	Wait for results from lab and record for annual reporting
11/20/2023	Marcos Kubow & Jarrod Lyman	Education Outreach	Update Oregon City Online NPDES MS4 Library with updated IND/COM Facility SOP	Review Entire library and provide Jarrod with all necessary to ensure all current document are most recent updates.

11/21/2023	Marcos Kubow & Krista Reininga	NPDES MS4 Permit and TMDL Check-in	Finalizing end of year deliverables and double-checking submission process	Make sure all document updates are noted in the annual report and referenced in the SWMP.
11/22/2023	Jayson Thornberg (OCPW), Jerry Herman (Rivers of Life), Armando Barboa (HOA Pres.)	Trillium Park Dr. Natural Area Enhancement Project	Discussed Armondo's Vision of the final product of restoration project and whether or not aspects of the vision are feasible.	Relay information to John Lewis and Vance Walker. Prepare responses for HOA Board general meeting.
11/28/2023	Marcos Kubow & Clackamas County Water Education Team (CCWET)	Plans for next Spring's "Celebrating Water Event"	When and where water event will occur who will be attending and how student engagement will be facilitated.	Sick with single day event. Reach out to local school districts to get an official head count for attendance and then put out request for exhibitors.
11/28/2023	Marcos Kubow & Krista Reininga	NPDES MS4 Permit and TMDL Check-in	Discussed changes made in SWMP manual and how they are addressed in change log	Upload finalized SWMP with change log onto NPDES online Oregon city Library.
12/5/2023	Marcos & Keri Handley	CRC board and Lawn pilot	Creative differences between CRC board and Marketing for Change consultants (M4C)	De-iced whether we should continue working with M4C moving forward.
12/6/2023	Marcos, Jayson Thornberg, Eric H., Brandon Watt, and Shaun Davis	CLEAN-UP OF UNAUTHORIZED CAMPSITES ON PUBLIC PROPERTY POLICY	Specifics of current policy and what needs to be done if changes need to be made to protect waters of the state.	Determine what needs to be said to prevent pollution of waters of the state and where that language should be added in the policy.
12/6/2023	Marcos, Vance Walker, & John Lewis	Trillium Park Dr. Natural Area Enhancement Project	Briefed John Lewis on Armando's vision of trillium Grove and discussed what is best for the city and water quality	finalize notes for HOA general board meeting and debrief John on results of board meeting upon completion.

12/8/2023	Marcos Kubow & Tom Gaskill	Holcomb Site visit and Salmon E-DNA sampling	Sampled Abernathy Creek for fish DNA and toured the restoration project on Holcomb blvd. To discuss progress and future steps	meet with Greater Oregon City Watershed Council - board to discuss future budget and financial status for future projects and staff expansion.
12/11/2023	Marcos, Jayson Thornberg, Eric H., Brandon Watt, Robin Winkle	Integrated Pest Management (IPM)	Discussed current Parks IPM and how we can adapt it for city wide SOP	Revise Current IPM with language that encompasses whole city and incorporate guidelines that prevent pollution of pesticides into waters of the state.
12/13/2023	Marcos, Nick Hays, & private landscaper	Advice on private water quality facility maintenance	provided direction for landscaper on what to remove and what to prune or leave alone	return to site in a few weeks to see if landscaper did what he said he would do.
12/13/2023	Marcos, ACWA E&O, and ACWA SW committees	Joint annual ACWA committee meeting	Discussed accomplishments and goals for upcoming calendar year	attend future meetings
12/14/2023	Marcos Kubow & Krista Reininga	TMDL Implementation Plan (TIP) updates	incorporated new permit language to TIP	submit Update to DEQ and upload to OC website.
12/19/2023	Marcos Kubow & Krista Reininga	TMDL Implementation Plan (TIP) updates	Accept updates and finalize commitments in appendix B	Confirm the John Lewis can commit to 2 WQ capital improvements.
12/20/2023	Marcos & John Lewis	TMDL Implementation Plan (TIP) 5-year survey	Reviewed answers for 5-year survey and signed authentication page to submit survey to DEQ	Once confirmation e-mail is received send email and recorded answers to Vance Walker and John Lewis for personal record keeping.
1/4/2024	Marcos & Mallory Ott	Outfall sampling event	Collected composite sample at both outfall sites and deliver to Alexin analytical laboratory and pesticide	Await lab results and enter them into DEQ provided templet

1/9/2024	Marcos & GOCWC board members	Bi-monthly general meeting	Discussed Current budget and future financing for grants and projects	Meet Tom Gaskill and his new assistant director out in the field to familiarize her with current projects and the city's role.
1/9/2024	Marcos & Krista Reininga	Bi-weekly meeting	revisions of Abandoned campsite & litter clean-up Policy	Submit changes to the city manager for approval
1/10/2024	Marcos & ACWA Stormwater Committee	Biweekly meeting	overview of the GSI Guidebook that was created by Stormwater Outreach for Regional Municipalities (STORM)	Share guidebook with Oregon City GIS team
1/19/2024	Marcos & Tom Gaskill	New Assistant and project	Introductions, Tour new project sight, take measurements	Re-visit after invasive species removal
1/24/2024	Marcos & RCCRS	Lawn quiz and Compost venders	Changes to quiz language and layout, Incentivize residents to ditch the weed and feed and use compost instead	Cold-call compost venders and negotiate a discount for resident recruited by lawn campaign quiz.
1/30/2024	Marcos & CCWET committee	upcoming " Celebrating water event"	Schools and transportation logistics for students	Come up with engaging exhibit for Oregon City's table
1/30/2024	Marcos & Krista Reininga	Integrated Pest Management (IPM)	review changes made to IPM	Share with Division managers for approval
2/1/2024	Marcos & ACWA water quality committee	Temperature TMDL	Who is affected and what's wrong with DEQs methods	Add information about TMDL to quarterly update to director
2/1/2024	Marcos, Eric Hand, & John Lewis	Quarterly Update	Accomplishments, ongoing, and future Tasks	Make sure John Lewis receives a copy of IPM and abandoned campsite Policy once finalized.

2/6/2024	Marcos & RCCRS	Lawn quiz updates and Compost vender outcome	Minor tweaks to quiz needed and preview graphic for website	Wait for quiz updates and review for approval.
2/7/2024	Marcos & Kevin Petty	Instream Monitoring	Collect samples from all 6 sites	Wait for lab results
2/8/2024	Marcos & Tom Kissinger	IPM	review IPM changes with the new Parks manager	Discuss future collaborations on park restoration.
2/8/2024	Marcos & Co-permittees	First quarterly meeting	Mercury updates, Macroinvertebrate study, and Temperature TMDL	Make comments for ACWAs comment letter to DEQ
2/13/2024	Marcos & Christine Hollenbeck	Education & Outreach	Tour Of Clackamas water plant and pick up outreach supplies	Tour South fork water treatment plant with students
2/15/2024	Marcos & Mallory Ott	Outfall sampling event	Collect time composite samples from both outfalls	Wait for results from lab and record for annual reporting
2/20/2024	Marcos & Tom Gaskill	Washington St. Bridge streamside restoration	Homeless encampment and additional funding	Trash accumulation may provide an opportunity for community enhancement grant.
2/21-22/2024	Marcos & NBEC Online course	Erosion & Sediment Control Lead certification course	Review requirements for Oregon Erosion and sediment control inspections	Utilize certificate to assess construction sites when out in the field.
2/26/2024	Marcos & planning commission	MS4 permit updates	Document and program updates, changes in monitoring requirements, and community partner progress	follow up with city hydrologist to learn more about Inflow and infiltration program.
3/11/2024	Marcos & Jarrod Lyman	Education & Outreach	discuss google translate and other methods to translate documents to Spanish	Follow up with parachute strategies for translation quote.

3/12/2024	Marcos & GOCWC board members	Temperature TMDL	Future budget projection and restoration opportunities	Meet with Toms Assistant and tour the Holcomb project.
3/13/2024	Marcos & EPA Webinar	Monitoring & TMDL assessment	New modeling tool for large scale HCU dynamics "Nutrient Explorer"	Explore software and see if it can be manipulated for smaller scale watersheds.
3/15/2024	Marcos & Clackamas Soil and Water Conservation	pollution management	Alternatives to Pesticides & beneficial plants and insects	Convert notes into Outreach topic for Trail News.
3/19/2024	Marcos & Tom Kissinger	Outreach and stream restoration	Signage, Course woody debris, and connectivity to county streamside property	Reach out to Environmental Services for Clackamas.
3/26/2024	Marcos, Krista Reininga, & Josh Wheeler	Stormwater Design and Erosion control	Updates for Stormwater Grading and Design Manual & and changes to OCMC 13.12	Hand Documents over to Josh and email John Lewis about IDDE updates.
3/28/2024	Marcos & Mallory Ott	Outfall sampling event	Collected samples and deliver to laboratory	Follow up w/ Metro about beavers and dam removal for sampling notes.
4/1/2024	Marcos & Clackamas Co-permittee group	Monitoring & upcoming deliverables	Mercury updates, Macroinvertebrate study RFP, and latest on DEQ Temperature TMDL changes	Consider Using new EPA grant to add a PFAS study to Macro monitoring.
4/2 -3/2024	Marcos & Eric Hand	Education Outreach	Exhibit WW and DW samples at different stages of treatment compare to the treatment of raw SW to establish the sensitivity of SW streams in an MS4 jurisdiction	Prepare for Portland Exhibit on 4/30.
4/3/2024	Marcos, John Lewis, Tony Konol, Rob Wierenga, & Dan Dehart	Water quality monitoring	Compare the two proposals submitted for Clackamette Cove HAB assessment	Meet with Awardee and establish an effective monitoring plan.

4/10/2024	Marcos & DB Steel property manager	Industrial/Commercial Facility Inspection	Safety measures for outdoor sand blasting and painting activities	Make notes for annual report and send thank you letter to owner of DB Steel.
4/18/2024	Marcos, Eric Hand, & John Lewis	Temperature TMDL	Whether or not PWs should manage the Metro Community Enhancement Grant for the HOA	Decline to submit grant application on behalf of the HOA and offer to write letter of support.
4/22/2024	Marcos, John Lewis, & Mark RosenKranz	Water quality in Clackamette Cove	discuss timeline of Water Quality Assessment and what data is need to get started	Meet at the Cove to discuss sampling logistics boat house access.
4/25/2024	Marcos, Eric Hand John Lewis, & Mark RosenKranz	Water quality in Clackamette Cove	Gate access, boat launching, and historical Data	locate accurate grading elevation datum for water level monitoring, locate monitoring wells with historic data, Connect Mark with Metro contact.
4/30/2024	Marcos & Mallory Ott	Education Outreach	Exhibit WW and DW samples at different stages of treatment compare to the treatment of raw SW to establish the sensitivity of SW streams in an MS4 jurisdiction	Make adjustments to improve message for next year.
5/1/2024	Marcos, John Lewis, Trillium HOA Board, Rivers of Life director	Temperature TMDL	Explain why PW cannot submit Grant but offer letter of support	reach out to Non-profits for grant management
5/7/2024	Marcos Kubow & OCPW maintainers	IDDE	Spill response, capture, clean-up, Spill kit locations, & spill reporting	Develop Presentation that is more current and site specific for staff response.
5/10/2024	Marcos, Children's Center Property Manager	Private Water Quality Facility inspection	Identified all components of private storm system and walk through inspection process	Provide client with information on SCAP program and status of catch basins.

5/14/2024	Marcos, & ACWA E&O Committee	Bacteria TMDL & PFAS	watch presentation on Pet waste outreach & present on complication of PFAS	Take Notes at Stormwater Summit and share key takeaways with E&O committee.
5/15/2024	Marcos & Many ACWA members	ACWA Stormwater Summit	Ground water 101, DEQ water quality program, NACWA update, BMPs and PFAS, Stormwater Ponds and Wildlife,	Document key take aways and share with ACWA E&O Committee.
5/16/2024	Marcos & Mallory Ott	Cove Harmful Algal Bloom monitoring hand off	Where and How to monitor for HAB and what steps to take if bloom is observed	Take over monitoring program and monitor once a week during dry Season (Jun - Sep).
6/5/2024	Marcos and RCCRS Coalition	Education & Outreach	Review of past outreach success, update of website, & Blogging opportunities.	Figure out to produce an OC Blog on rainwater harvesting.
6/6/2024	Marcos & Cove water quality task force	Water quality monitoring	Review Monitoring Plan for Clackamette Cove and adjust based on expert input	Approve updated plan and begin official sampling.
6/12/2024	Marcos & Tri-metro water quality coordinators	IDDE	Return of the Spill Committee, introductions & goals for committee moving forward	Continue to attend the meetings and provide useful input.
6/13/2024	Marcos & Mallory Ott	Water quality monitoring	Collected in stream samples	Log results and upload to YDO.
6/18/2024	Marcos & Seth Mrowka	Private Water Quality Facility inspection	Inspected detention tanks, filter cartridges, & catch basins	Record observations and send letter with maintenance recommendations.
6/27/2024	Marcos & Co-permittees	Permit renewal & Phase 1 vs phase 2	reviewed methodology for Benchmark analysis	Prepare meeting minutes for committee members.
6/27/2024	Marcos and Management	Quarterly Update	Achievements and future goals	Turn goals into achievements and come up with future goals for next update.

Appendix A

Oregon City SWMP Implementation Status

Key to Pollutant Symbols: A full circle (●) indicates the BMP is expected to address the parameter. An empty circle (○) indicates the BMP may be expected to address the parameter. A blank cell indicates that the effect of the BMP is unknown at this time or that the BMP is more administrative in nature and does not have an effect on pollutant removal.

Appendix A. Status of Implementing Components of Oregon City’s 2022 Stormwater Management Plan (SWMP)							
BMP or activity	Addresses bacteria?	Addresses mercury?	Responsible department	Measurable goals (2022 SWMP)	Tracking measures (2022 SWMP)	Annual report information: tracking measure status, Permit year 2023– 2024	Additional detail related to activities conducted
Category A. Education and Outreach BMPs							
BMP EO-1: Education and Outreach Program	○	○	OCPW	<ul style="list-style-type: none">• Include a water quality related article in each City newsletter, distributed to citizens three times per year.• Periodically install signs near water quality structures and around the City promoting water quality.• Seek out opportunities to partner with other agencies/jurisdictions/organizations to educate and promote watershed health and low impact development.• Distribute an annual water quality report to Oregon City residents including stormwater educational information.• Target outreach efforts to encourage pet waste clean-up at City parks and recreational areas.	<ol style="list-style-type: none">1) Track the number, types, and topics of public educational materials distributed to the public annually.2) Report any large-scale public educational campaigns initiated during a given year.3) Track coordinated public outreach activities with other permittees.	<ol style="list-style-type: none">1) The following educational activities were conducted (see Appendix B for details):<ul style="list-style-type: none">• A total of eight water quality-related articles were included in Trail News.• OC participated in two special events, <i>Celebrating Clean Water Event</i> at Clackamas County Community College 04/2 & 3/2024, and <i>Children’s Clean Water Festival</i>, at Portland community college - 4/31/24.• The October 2023 utility bill included a message Only Rain Down the Drain.• Mailed 15,907 postcards announcing availability of the Annual Water Quality Report on OC’s website.• Stormwater Banner Display at City Hall – 9/29/2023-10/13/2023, Pioneer Center - 10/13/2023-10/27/2023).• Continued participation in regional Stormdrain Cleaning Assistance Program (SCAP) in 2023-2024 permit year.3) Coordinated efforts included:<ul style="list-style-type: none">• Continued to sponsor the “Clean Water, It’s Our Future” campaign via KPTV media outlets.• Continued participation in the Coalition for Clean Rivers and Streams.• Continued participation with other agencies to promote water quality education through Clackamas River Water Providers.• Continued participation with Greater Oregon City Watershed Council• Continued participation with Clackamas County Water Education Team• Continued participation with Clackamas Community College Environmental Learning Center Advisory Team• OC’s sponsorship to the Environmental Learning Center at Clackamas Community College supports the following programs<ul style="list-style-type: none">-Water industry career event - middle school & high school.-Watershed Health Field Trips to Environmental Learning Center – for 4th Graders in Oregon City School District- Wildlife and Water Friendly Gardens-Sponsor for Vegetated Stormwater Facilities – continuing education for adults <p>Continued to sponsor the Down the River Clean Up event</p>	OC continues to conduct catch basin marking and stenciling to increase public awareness. During this reporting period 444 catch basins were either stenciled with the message “Dump No Waste – Drains to Stream” or had “No Dumping, Drains to Waterway” markers installed.
BMP EO-2: Outreach to Elected Officials	○	○	OCPW	<ul style="list-style-type: none">• Provide one presentation annually to Oregon City Council at a council meeting, work session, or planning retreat.• Provide one presentation annually to Oregon City Planning Commission.	<ol style="list-style-type: none">1) Track the dates of presentations.	Completed 11/02/2023	
BMP EO-3: Translate Stormwater Program Materials	○	○	OCPW and Parks	<ul style="list-style-type: none">• Translate one stormwater educational material into Spanish each year.	<ol style="list-style-type: none">1) Track the number and type of materials translated.	Completed 02/26/2024 Three infographics were translated this year and are available on Oregon city’s website: <ul style="list-style-type: none">○ Do You Scoop the Poop?<ul style="list-style-type: none">○ Spanish○ English○ Landscape Management	

Appendix A. Status of Implementing Components of Oregon City’s 2022 Stormwater Management Plan (SWMP)

BMP or activity	Addresses bacteria?	Addresses mercury?	Responsible department	Measurable goals (2022 SWMP)	Tracking measures (2022 SWMP)	Annual report information: tracking measure status, Permit year 2023– 2024	Additional detail related to activities conducted
						<div><div><div><div></div><div>Spanish</div></div><div><div></div><div>Moss Removal</div></div><div><div></div><div>Spanish</div></div><div><div></div><div>English</div></div></div></div>	

Category B. Public Involvement and Participation BMPs

BMP PI-1: Stormwater Program Website	<div><div></div></div>	<div><div></div></div>		<div><div>Update information on website in 2023.</div><div>Conduct an annual website review to check for accuracy, working links, staff changes, new documents and policy updates.</div></div>	1) Track completion of annual website review checklist.	1) Oregon City’s NPDES Library webpage is reviewed and updated annually every March after documents have been submitted and approved.	
BMP PI-2: Sponsored Community Stewardship Opportunity	<div><div></div></div>	<div><div></div></div>		<div><div>Sponsor at least one stewardship opportunity with the Coalition during the permit term.</div></div>	1) Provide a summary of the stewardship activities conducted with the Coalition.	1) Updating mission statement to be more inclusive using supportive DEI language. Launched a Lawn Campaign with an intervention for pesticide use in lawncare. Update websites for a broader outreach.	
BMP PI-3: Stewardship Catch Basin Marking	<div><div></div></div>	<div><div></div></div>		<div><div>Install or replace catch basin decals on 5 percent of catch basins each year.</div><div>Sponsor at least one catch basin marking event for volunteers each year.</div></div>	1) Track the number of catch basin decals installed or replaced. 2) Track the number of catch basin marking events sponsored.	1) 444 Catch basin decals were installed or replaced. 2) No marking events were sponsored for this reporting year	WW/STM division did not sponsor a CB marking event because all public CBs have essentially been marked now and are only remarked during cleaning and repaving operations or when new catch basins are installed. This change in procedure has been noted in the adaptive management section of this annual report (Section 2.2) and amended in SWMP (see Appendix C – Revisions Log of the SWMP) . The BMP has also been renamed as EO-4, and moved to Category A of the SWMP (Education and Outreach) as it is no longer a public involvement activity.

Category C. Illicit Discharge Detection and Elimination

BMP IL-1: MS4 Mapping				<div><div>Create tracking system for illicit discharges and identified dry weather flows to track repeat illicit discharges over time in the MS4 map.</div><div>Add municipal stormwater management facilities and privately owned stormwater management facilities to GIS database within one year of construction completion.</div></div>	1) Track the number of municipal stormwater management facilities in the digital GIS inventory. 2) Track the number of privately owned stormwater management facilities in the digital GIS inventory.	1) Municipal Count <div><div>a. Pond_____95</div><div>b. Rain Garden_____10</div><div>c. Roadside Planter_____215</div><div>d. Soaker Trench Infiltrator___2</div><div>e. Swale_____33</div><div>f. TOTAL_____355</div></div> 2) Private Count <div><div>a. Pond_____57</div><div>b. Rain Garden_____70</div><div>c. Roadside Planter_____14</div><div>d. Soaker Trench Infiltrator __23</div><div>e. Swale_____60</div><div>f. TOTAL_____224</div></div>	
BMP IL-2: IDDE Ordinance	<div><div></div></div>	<div><div></div></div>		<div><div>Review OCMC enforcement code and identify changes (if needed) to implement escalating enforcement actions.</div><div>Propose and adopt an IDDE ordinance to update OCMC 8.08 and the enforcement code that is consistent with the prohibitions and</div></div>	1) Track progress on ordinance review and update.	1) Ordinances have been proposed to public works and we are in the process of finalizing for city adoption.	

Appendix A. Status of Implementing Components of Oregon City’s 2022 Stormwater Management Plan (SWMP)

BMP or activity	Addresses bacteria?	Addresses mercury?	Responsible department	Measurable goals (2022 SWMP)	Tracking measures (2022 SWMP)	Annual report information: tracking measure status, Permit year 2023– 2024	Additional detail related to activities conducted
				allowable discharges listed in Schedule A.1.d.			
BMP IL-3: IDDE Program and Enforcement	○	○	Oregon City Public Works Department (OCPW)	<ul style="list-style-type: none">Operate spill reporting hotline and document calls received.Review, update, and implement updated Standard Operating Procedures (SOPs) for the (IDDE) Program for new permit requirements.Respond to all illicit discharge reports within the permit specified timeframes.Follow enforcement procedures for confirmed illicit discharges.	<ol style="list-style-type: none">Track the status of documenting and updating the IDDE SOP.Track the number of calls to spill reporting hotline.Track the number, location, type of discharge, resolution, and enforcement action for any illicit discharge investigation conducted.	<ol style="list-style-type: none">The IDDE SOP was updated on 12/01/2023Zero Calls were made to OCs afterhours on-call Staff.No illicit discharge investigations were deemed necessary as a result of annual dry weather field screening conducted during this reporting period.	<ol style="list-style-type: none">Two cross-connections, (sanitary to storm), were identified and corrected.<ol style="list-style-type: none">720 11th St.1005 Jefferson St.
BMP IL-4: Dry Weather Field Screening	○	○	OCPW	<ul style="list-style-type: none">Review and update dry weather field screening prioritization criteria and identify a new list of priority screening sites by December 1, 2023.	<ol style="list-style-type: none">Track the number and location of outfalls inspected annually.Summarize inspection results and track the number and location of outfalls requiring monitoring and/or investigations.Report the outcome and resolution of any investigation activities.Report the outcome and resolution of any code enforcement actions.Track the status of updating standard procedures.	<ol style="list-style-type: none">Nine outfalls were inspected as part of annual dry weather field screening activities.All Outfall inspections were completed by 8/10/2023. Flow was observed at 1 of the outfalls; discharge was moderate and characterized as permissible.N/AN/AOn 7/29/16 OC updated the IDDE SOP that includes procedures for conducting dry weather field screening. Priority sites 1 and 2 were relocated to address staff safety concerns. One site was added (site 9) as a result of a reported illicit discharge. The most recent update to the SOP to reflect current permit requirements occurred on 10/25/23.	<ol style="list-style-type: none">Dry weather screening was conducted at the following outfalls:<ol style="list-style-type: none">99E and 6th Street (manhole 33556): 12-inch427 Main Street (manhole 33558): 15-inchAbemethy Road at Tri-Lett: 15-inchClackamas River Drive: 48-inchMetro Wetlands Pond: 48-inchFalcon Drive: 30-inchBerry Hill: 24-inchBeavercreek at Hwy 213: 24-inchBehind 1651 Beavercreek Road: 48-inch
BMP IL-5: Spill Response Program	○	○	Clackamas Fire District #1 (Hazardous Materials Team) and OCPW	<ul style="list-style-type: none">Investigate all spills and respond as necessary.Report all qualifying spills to DEQ.	<ol style="list-style-type: none">Track the number of spills reported to OCPW and DEQ.Track the responses to reported spills.Track the sources, causes, and types of discharges resulting from spill activities.Track any changes to the OC <i>Spill Response Plan</i>.	<ol style="list-style-type: none">7 spills were reported to OCPW during the 2023-2024 reporting period.Responses were appropriate for each spill. See list below.One spill required DEQ reporting. These spills were from various causes, vehicle accidents, mechanical failure, illegal dumping & ice storm.<ul style="list-style-type: none">9/21/23 – 16269 Hunter Ave. – OCPW contacted to clean up oil leak from construction vehicle. Clean up performed. No storm system affected. No OERS report filed.11/15/23 – Clackamas River Dr. @ roundabout – OCPW called out to sweep up debris in road. Material appeared to be some kind of seed soil mixture. Storm system not impacted. DEQ not notified.3/4/24 – 11th & Division - OCPW Notified by DEQ of motor oil from trash can leaking into storm drain. OCPW responded, no evidence of oil leak from trash can was discovered at this location nor in the storm system. OERS # 2024-05883/27/24 – 300 Beavercreek Rd., (Benchmade Knife Co.) – A metal recycling contractor spilled 1-2 gallons of waste cutting fluid into parking lot. Benchmade staff utilized absorbent pads for clean-up. OCPW & OERS notified. OERS # 2024-07805/6/24 – 19001 South End Rd., (Clackamas Fire District) – OCPW was notified of leaking fire suppression foam container. Foam entered the storm system. MSDS was obtained for foaming agent. Foam is inert and not detrimental. Foam was allowed to self-dissipate. OERS #2024-1078	

Appendix A. Status of Implementing Components of Oregon City’s 2022 Stormwater Management Plan (SWMP)							
BMP or activity	Addresses bacteria?	Addresses mercury?	Responsible department	Measurable goals (2022 SWMP)	Tracking measures (2022 SWMP)	Annual report information: tracking measure status, Permit year 2023– 2024	Additional detail related to activities conducted
						<ul style="list-style-type: none">5/31/24 – 19905 Sophia Ct. – Concrete grinding performed by contractor. Grinding caused a mess on roadway. City staff contracted contractor and clean-up was performed. No storm system affected. No OERS report filed. 4) Spill Response Plan was reviewed, verified, and any outdated contacts have been updated.	
Category D. Construction Site Runoff Control							
BMP EC-1: Erosion Control Ordinances	●	●	OCPW	<ul style="list-style-type: none">Review OCMC 17.47 to determine if any updates are needed.Propose and adopt EPSC code updates, if needed.	1) Track the status of reviewing and updating (if necessary) the EPSC related municipal code sections.	1) OCMC 17.47 is being updated and is scheduled to go before the planning commission October 28 th , and the City commission by December 4 th . Updates were focused on addressing construction site wastes in addition to sediment control	
BMP EC-2: Erosion Prevention and Sediment Control Manual	●	●	OCPW	<ul style="list-style-type: none">Adopt the updated Clackamas County EPSC manual with City-specific addendum.	1) Track the status on updates to the EPSC Manual.	1) The manual and addendum were adopted by the City Commission on May 20, 2015, through Resolution No. 15-14. No updates were made in this reporting period.	
BMP EC-3: Plan Review and Permitting	●	●	OCPW	<ul style="list-style-type: none">Develop EPSC Plan Review checklist and post it to the SWMP document library.Review erosion control plans for all developments with greater than 1,000 square feet of land disturbance area for compliance with EPSC requirements.Refer applicable sites to DEQ 1200-C permitting process.	1) Track the status on development of EPSC plan review checklist. 2) Track the number applications submitted, reviewed, and approved for construction. 3) Track the number of sites referred for 1200-C permitting process. 4) Track the number of erosion control permits issued annually.	1) Updated March 2024 2) 39 total applications, 11 non-single family, and 28 Single family. 3) 2 sites referred for 1200-C permitting. 4) 39 erosion control permits were issued.	
BMP EC-4: Education for Construction Site Operators	●	●		<ul style="list-style-type: none">Continue to provide OC’s most currently adopted erosion control manual on the OC website.Continue to offer discounts on erosion control permits to contractors completing erosion control certification programs.	1) Track the number of contractors receiving a discount on erosion control permit fees.	ODOT I-205 project was the only developer that received a permit discount.	
BMP EC-5: Erosion Control Inspections	●	●		<ul style="list-style-type: none">Conduct a minimum of three erosion control inspections at each permitted site.Conduct appropriate enforcement activities for erosion control violations.Update and post the EPSC Site inspection protocol to the SWMP document library.	1) Track the status of updating the EPSC Site Inspection Protocol. 2) Track the number of erosion control inspections conducted annually. 3) Track the number of notices of non-compliance issued during inspections.	1) Updated November 2023. 2) 3 inspections per site 117 total inspections. 3) 4 notices of non-compliance.	
EC-6: Enforcement	●	●		<ul style="list-style-type: none">Develop/update EPSC Enforcement SOP.Issue notice of violations and appropriate penalties for non-compliant construction sites.	1) Track the number of violations, follow-up inspections, and enforcement actions. 2) Track the outcome of enforcement actions.	1) 11 total notices, 4 notices of non-compliance, & 7 stop work orders. 2) Work was not permitted to continue until the sites were in full compliance.	
Category E. Post-Construction Site Runoff							

Appendix A. Status of Implementing Components of Oregon City’s 2022 Stormwater Management Plan (SWMP)

BMP or activity	Addresses bacteria?	Addresses mercury?	Responsible department	Measurable goals (2022 SWMP)	Tracking measures (2022 SWMP)	Annual report information: tracking measure status, Permit year 2023– 2024	Additional detail related to activities conducted
BMP PC-1: Stormwater Code Review	○	○	OC Community Development	<ul style="list-style-type: none">Review OC's current/planned stormwater treatment and detention standards for compliance with new NPDES MS4 permit language. Prepare a technical review memo to document findings.If needed, modify code and SWGDS to include additional water quality offset programs.	<ol style="list-style-type: none">Track the status of developing the technical review memo.Track any code/standards modifications made by ordinance.	<ol style="list-style-type: none">Brown and Caldwell conducted a detailed review of the Oregon City Municipal Code (OMC) (<i>revised January 31, 2023</i>) Chapter 13.12–<i>Stormwater Management</i>, Chapter 17.47 <i>Erosion and Sediment Control</i>, and Chapter 1.20.090–<i>Fines</i>, as well as Oregon City's <i>Stormwater and Grading Design Standards</i> (March 2020), to confirm documentation for each of the four major areas of compliance:<ul style="list-style-type: none">Repeat violationsTimelines for complianceEscalating enforcementSeverity of the dischargePenalties and cost recoveryAs a result of the review, an enforcement SOP was developed for the construction program, code modifications are being finalized related to SWGDS, and a fee in lieu policy is being finalized. The City's SWGDS were found to be in good shape with respect to meeting the numerical stormwater retention performance standards in the permit.	
BMP PC-2: Low Impact Development Code Review	●	●		<ul style="list-style-type: none">Conduct LID Development Code Review and document findings in a technical review memo.	<ol style="list-style-type: none">Track the status of the LID Development Code Review technical memo.	Completed 10/19/2023	
BMP PC-3: Post-Construction Plan Review and Permitting	●	●		<ul style="list-style-type: none">Review all new development and applicable redevelopment for conformance with current city stormwater standards and ordinances.Continue to enforce stormwater management standards in the OCMC and SWGDS.	<ol style="list-style-type: none">Number of development applications reviewed and approved for compliance with stormwater regulations.Number, type, and drainage area of treatment facilities constructed annually.	<ol style="list-style-type: none">Zero applications were reviewed in land use for stormwater compliance and Zero applications were permitted for construction which had stormwater compliance. 6 applications were reported as under construction in the last report. Those 6 remaining plus two additional projects are under construction and are anticipated to be operational between the next reporting year of July 1, 2024-June 30,2025.The following treatment facilities were constructed:<ul style="list-style-type: none">Harrison St Apartments SP 17-168/SP 18-118, PRIVATE pervious pavement and PRIVATE underground detention pipe, 0.15 acresPR 175-2021 – Holmes Lane Condominiums, 4.33 acresPR 179-2021 – Maplelane Low Income Housing, 5.63 acresPR 183-2021 – Serres Subdivision, 35.2 acresPR 205–2022 – County Courthouse, 58.66 acre property with approx.. 8 acres under developmentPR 198-2022 – Maplelane South Apartments, 9.55 acresPR 206-2022 - Pease Cluster, 1.2 acresPR 212-2023 - Pleasant Avenue Apartments, 0.66 acres	
BMP PC-4: Private Facility Maintenance	●	●		<ul style="list-style-type: none">Require new private stormwater facilities to submit maintenance agreements to OC.Add all newly constructed private stormwater management facilities to the digital inventory with links to maintenance agreements.Mail annual maintenance reminders to inventoried private facility owners.Conduct annual inspections of 20 percent of private stormwater management facilities and send	<ol style="list-style-type: none">Track the number of maintenance agreements submitted to OC each year.Track the number of private stormwater management facilities in the digital inventory.Track the number of maintenance reminder letters mailed and returned each year.Track the number of private facility maintenance	<ol style="list-style-type: none">3 developments have fallen out of the 2-year warranty and have been issued maintenance agreements for this reporting year (30 June 2023 to July 1 2024).38 PWQF with Maintenance agreements and 55 facilities developed before Maintenance covenant.Facilities w/o Maintenance agreements were sent educational material on their specific facilities and are currently being visually inspected, photographed, and documented for site prioritization. For facilities with maintenance agreements 38 initial letters were sent, 36 second letters, 26 overdue letters, & 14 warning letters.21 Facilities with maintenance agreements were inspected and 43 facilities were inspected that were constructed prior to the establishment of maintenance agreements to prioritize based on maintenance needed.	

Appendix A. Status of Implementing Components of Oregon City's 2022 Stormwater Management Plan (SWMP)							
BMP or activity	Addresses bacteria?	Addresses mercury?	Responsible department	Measurable goals (2022 SWMP)	Tracking measures (2022 SWMP)	Annual report information: tracking measure status, Permit year 2023– 2024	Additional detail related to activities conducted
				follow-up letters to private owners about required maintenance.	inspections performed each year.		
BMP PC-5: Public Facility Maintenance	●	●	OC Community Development	<ul style="list-style-type: none">Inspect 25% of public stormwater management facilities annually to identify maintenance needs.Maintain public structural control facilities in accordance with documented frequencies and procedures.Update the public structural control facility inventory as needed.	<ol style="list-style-type: none">Track the number of public stormwater management facilities in the digital inventory.Track the number of public structural facilities inspected and maintained.	<ol style="list-style-type: none">Municipal Count<ol style="list-style-type: none">Pond_____95Rain Garden_____10Roadside Planter_____215Soaker Trench Infiltrator____2Swale_____33TOTAL_____35594 pollution control MHs inspected and maintained as needed.	WW/STM was short handed this year and minimal inspections were conducted as a result. Inspection duties have been handed off to the water quality coordinator and the deficit will be made up during the 2024-2025 reporting year.
Category F. Pollution Prevention for Municipal Operations							
BMP OM-1: Catch Basin Maintenance	●	●	OCPW	<ul style="list-style-type: none">Inspect at least 33% of the public catch basins annually.Schedule the repair, and replacement of catch basins as needed, based on inspections.Update the stormwater system map when discrepancies are found.	<ol style="list-style-type: none">Track the percentage of total public catch basins inspected and/or maintained annually.Track the number of catch basin replacements annually.Track the number of public catch basins in OC's catch basin inventory.	<ol style="list-style-type: none">45% (1,937) of catch basins3 CBs replaced by WW/STM Divisions.4,349 CBsTwo cross-connections, (sanitary to storm), were identified and corrected.<ol style="list-style-type: none">720 11th St.1005 Jefferson St.	
BMP OM-2: Municipal Operations SOP	○	○	OCPW and Parks	<ul style="list-style-type: none">Complete SOP development and implementation.	<ol style="list-style-type: none">Track the status of development and implementation of the updated SOP.	<ol style="list-style-type: none">The Municipal Stormwater Pollution Prevention System (SWPPS) SOP was originally produced in 2013. The SWPPS manual was updated in 2017, 2021, & 2024 to address operational modifications to each facility to ensure all potential pollution sources are monitored for best practices.	
BMP OM-3: Winter Road Maintenance	○	○	OCPW	<ul style="list-style-type: none">Continue current deicing operations to prevent stormwater pollution.Continue to research potential cost-effective reuse opportunities for deicing sand materials.Complete SOP development and implementation.	<ol style="list-style-type: none">Track dates of annual inspections and training related to deicing.Track deicing quantities applied annually including number of events and general locations.	<ol style="list-style-type: none">11/13 and 11/15 calibration of equipment and in-house training.1/12/2024 – 2000 gallons of Magnesium Chloride, Priority 1, 2, & 3 roads. 3/5/2024 – 325 gallons of Magnesium Chloride, Priority 1+2 roads.	
BMP OM-4: Litter Control	●	○	OCPW	<ul style="list-style-type: none">Develop SOP for clean-up of abandoned campsites in public areas.Add standard litter control language to new event contracts and facility rental agreements.	<ol style="list-style-type: none">Status of SOP for pollution prevention during campsite cleanup.Status of updated litter control contract language.	<ol style="list-style-type: none">Oregon City's Police department has an abandoned campsite policy that was amended in February 2024 to address this SWMP measurable goal.Oregon city Parks department's Rental manual has been amended to contain current permit language on litter control and all new special event applications are reviewed for litter and water quality BMPs.	
BMP OM-5: Pesticide and Fertilizer Controls			OCPW	<ul style="list-style-type: none">Develop SOP for pesticide and fertilizer storage, application and disposal.Include SOP in new contracts for landscape maintenance.	<ol style="list-style-type: none">Track status of developing pesticide and fertilizer SOP.	<ol style="list-style-type: none">An integrated pest management plan (IMP) was developed by parks department in 2021 and was modified to address city wide pest management concerns and finalized in February 2024 the IPM can be found on the city NPDES library website.	
Category G. Industrial and Commercial Facility BMPs							
BMP IC-1: Industrial and Commercial Strategy	○	○	OCPW	<ul style="list-style-type: none">Update Industrial/Commercial Facilities strategy with revised facility screening strategy, inspection processes, and documentation procedures.	<ol style="list-style-type: none">Track the status of updating the Industrial/Commercial Facilities StrategyTrack the number of facilities referred for 1200-Z permits.	<ol style="list-style-type: none">IND/COM Facilities Strategy was updated November, 2023 and posted on the city website for public access.No new businesses have been identified or referred to DEQ for 1200-z permit this year.	

Appendix A. Status of Implementing Components of Oregon City’s 2022 Stormwater Management Plan (SWMP)							
BMP or activity	Addresses bacteria?	Addresses mercury?	Responsible department	Measurable goals (2022 SWMP)	Tracking measures (2022 SWMP)	Annual report information: tracking measure status, Permit year 2023– 2024	Additional detail related to activities conducted
				<ul style="list-style-type: none">Develop database of industrial and commercial facilities with the potential for increased stormwater pollution.			
BMP IC-2: Industrial and Commercial Inspection Program	○	○	OCPW	<ul style="list-style-type: none">Investigate 20% of high priority businesses each year and document inspection results and follow-up actions.	1) Track the number of inspections conducted. 2) Track inspection results and follow-up actions.	No new businesses were ranked with high priority this reporting year. 2 of 5 High priority sites (40%) were re-inspected to ensure all facilities continue to implement best management practices: <ul style="list-style-type: none">1800 Main Street – DB Steel – Passed15942 Park Place Court – MCI welding – Passed	
Category H. Additional Program BMPs							
BMP AP-1: MS4 Staff Training	○	○	OCPW	<ul style="list-style-type: none">Conduct municipal training for employees associated with stormwater management in OC.Coordinate with other Clackamas County co-permittees regarding regional water quality efforts.Participate in training and advisory committee opportunities available through state and local agencies and groups.Conduct regular stormwater staff meetings one or twice a year.	1) Track the number of employees receiving training in stormwater management annually. 2) Track OC staff participation in groups, committees, and organizations relevant to stormwater quality management. 3) Track regular stormwater staff meetings and staff attendance at those meetings.	1) two individuals received training at Clackamas community college on inspections and maintenance of vegetated water quality facilities 2) The water quality coordinator – stormwater continues to attend several committees and organizations that are relevant to stormwater daily management: ACWA, RCCRS, CRC, GOCWC, 3) Refer to table 4 in narrative.	
BMP AP-2: Retrofit Progress Report	○	○	OCPW	<ul style="list-style-type: none">Complete Retrofit Progress Report by December 1, 2023.	1) Track the status of completing the Retrofit Progress Report.	1) The Retrofit Progress report was submitted to DEQ in November of 2023. No feedback was given so we assume the report was satisfactory.	
BMP AP-3: Hydromodification Progress Report	○	○	OCPW	<ul style="list-style-type: none">Complete the Hydromodification Progress Report by December 1, 2023.	1) Track the status of completing the Hydromodification Progress Report.	1) The Hydromodification Progress report was submitted to DEQ in November of 2023. No feedback was given so we assume the report was satisfactory.	- An outfall at 14010 BEEMER WAY was reconstructed, regraded to minimize erosion, and return hydrology back to predevelopment conditions.
BMP AP-4: Hydromodification Tracking Site Visits	○	●	OCPW	<ul style="list-style-type: none">Conduct site visits to hydromodification tracking sites and document with photos and tracking for each year.	1) Track the number of hydromodification tracking site visits conducted each year.	1) Sites 1 through 5 are overlap with other monitoring like Dry weather field-screening and in-stream monitoring sites. Site 6 through 14 are visited every August. Site 13 is under construction and should be completed by the end of next fiscal year.	
BMP AP-5: Permit Renewal Package				<ul style="list-style-type: none">Complete 303(d) evaluation (due with permit renewal).Complete TMDL Pollutant Load Reduction Evaluation (due with permit renewal).Develop TMDL Benchmarks (due with permit renewal).Outline proposed changes to the monitoring program (due with permit renewal).Document service area expansions in 2025. Prepare a fiscal evaluation in 2025. Prepare updated maps in 2025.Submit permit renewal application to DEQ by March 30, 2026.	1) Track the status of completing the permit renewal package.	1) Conversation has begun amongst the Co-permittee members	

Appendix A. Status of Implementing Components of Oregon City's 2022 Stormwater Management Plan (SWMP)							
BMP or activity	Addresses bacteria?	Addresses mercury?	Responsible department	Measurable goals (2022 SWMP)	Tracking measures (2022 SWMP)	Annual report information: tracking measure status, Permit year 2023– 2024	Additional detail related to activities conducted
BMP AP-6: Stormwater Monitoring Program				<ul style="list-style-type: none">Conduct monitoring in accordance with the updated plan and report results annually.	<ol style="list-style-type: none">Track the status of DEQ's approval of the City's updated Stormwater Monitoring Plan.Track the status of monitoring results.	<ol style="list-style-type: none">The CCSMP was updated to address current permit requirements in 2022 and was accepted by DEQ in 2023.Monitoring results are recorded and visualized in a master spreadsheet and every reporting year results are uploaded in the appropriate format in DEQ's YDO by December 1st of each year.	

Appendix B

Public Education and Outreach Information

Public Education and Awareness Activities
July 1, 2021 – June 30, 2023

Table 5: Summary of Activities

Date	Event	Location	Contact Total	Program/Subject
7/2023	KPTV Public Service Announcements	Portland Metro Area	General Public	Lawn Tips, Car Wash Tips
8/2023 – 9/2023	KPTV Public Service Announcements	Portland Metro Area	General Public	Water Conservation, Car Wash Tips
9/2023	Message on Utility Bill	Oregon City water customers	General Public	Remember, Only Rain Down the Drain!
10/2023	KPTV Public Service Announcements	Portland Metro Area	General Public	Fall Lawn Care, Be Rain Ready
10/2023	Message on Utility Bill	Oregon City water customers	Oregon City water customers	Pick up after your pets! Go to https://theriverstartshere.org/
9/30/2023-10/12/2023	Stormwater Banner Display at City Hall	625 Center St. Oregon City, OR	Visitors and Staff at City Hall	Display featuring Oregon City's major streams; tips to improve water quality
10/13/2023-10/27/2023	Stormwater Banner Display at the Pioneer Center	615 5th St. Oregon City, OR	Visitors and Staff at City Hall	Display featuring Oregon City's major streams; tips to improve water quality
10/28/2023-10/14/2023	Stormwater Banner Display at the Pioneer Center	13895 Fir St., Oregon City, OR	Oregon City Engineering and Operations Complex	Display featuring Oregon City's major streams; tips to improve water quality
Winter 2023	Trail News – Winter	Oregon City Public Buildings and City website	All OC residents and general public	Do you Scoop the Poop? Does it really matter?
11/2023	KPTV Public Service Announcements	Portland Metro Area	General Public	Fall Lawn Care, Be Rain Ready
11/20/2023	Tree Planting Event	North Oregon City Neighborhoods	General Public – advertised in Trail News monthly E-newsletter	Friends of Trees tree planting event in the following neighborhoods: Barclay Hills, Canemah, McLoughlin, Park Place, Rivercrest, and South End
12/2023	KPTV Public Service Announcements	Portland Metro Area	General Public	Rain Ready, Sweep don't wash (winter maintenance)
January 2024	Wildlife and Water Friendly Garden	Oregon City E-News letter	General Public	Winter 2022, will see the return of our FREE Wildlife & Water

	Series – Collaboration between OC and the Environmental Learning Center			Friendly Gardens workshop series, this time with a focus on meeting the challenges of changing climate conditions. Learn how to garden with less water, choose temperature resilient trees, install permeable hardscapes, and more!
Spring 2024	Trail News – Spring	Oregon City Public Buildings and City website	All OC residents and general public	Ditch the weed and Feed, Eco-friendly ways to remove moss.
1/2024	KPTV Public Service Announcements	Portland Metro Area	General Public	Rain Ready, Sweep don't wash (winter maintenance)
1/28/2024	River Starts Here – Student Video Contest	Social Media, OC Website	General Public – generated towards students, grades 9-12	Student engagement in stormwater subjects which impact the students and/or communities
2/2024	KPTV Public Service Announcements	Portland Metro Area	General Public	Rain Ready, Sweep don't wash (winter maintenance)
3/2024	KPTV Public Service Announcements	Portland Metro Area	General Public	Car Wash Tips, Sweep don't wash (winter maintenance)
4/2024	KPTV Public Service Announcements	Portland Metro Area	General Public	Car Wash, Lawn Tips
5/3/2024	Annual Water Quality Report	N/A	15,540**, available on city website	Water Quality Information
Summer 2024	Trail News – Summer	Oregon City Public Buildings and City website	All OC residents and general public	To swim or not to swim – HAB education, The Terrible P's – Pfas and Phthalates education.
5/2024	KPTV Public Service Announcements	Portland Metro Area	General Public	Car Wash, Lawn Tips
6/24/2024	BMP IDDE Handout	Email	Orion Garcia – Express Power Wash	Sent ACWA IDDE handout for pressure washing and surface cleaning for Mr. Garcia's new business
2023-2024	Regional Coalition for Clean Rivers & Streams	N/A	Metro area	Pollution prevention messages via website and social media
2023-2024	Clackamas River Water Providers	N/A	Residents with the Clackamas River as drinking water source	Various programs to promote source water protection, water conservation, and water quality awareness

****A postcard was mailed to each Oregon City utility customer announcing the on-line availability of the annual water quality report. Those with limited internet access were encouraged to request a printed copy of the report.**

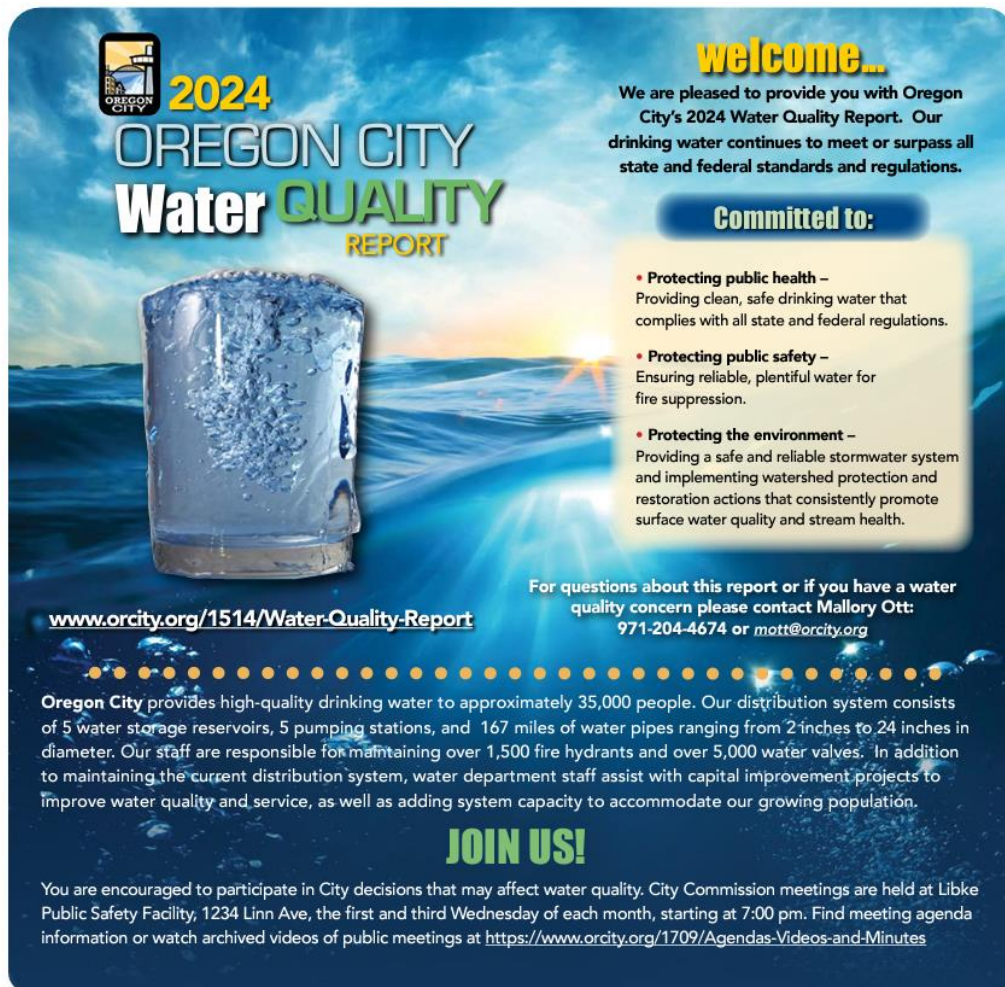


Figure 1: Photo on 20232 Annual Water Quality Report Postcard
<https://www.orcity.org/DocumentCenter/View/5856>

II. Pressure Washing Informational Handout to Customer



Figure 2: ACWA IDDE Pressure Washing Informational Hand Out

III. Stormwater Banner Display at City Hall: 9/29/2023-10/13/2023, Pioneer Center: - 10/13/2023-10/27/2023, & Oregon City Engineering and Operations Complex: 10/28/23 - 11/14/2023

Visitors to City Hall (625 Center St) the Pioneer Center (615 5th St), & Oregon City Engineering and Operations Complex (13895 Fir St). Customers visiting these three facilities, Pioneer Center (as well as city staff, could view our stormwater banner display featuring Oregon City's largest basins and streams. Included are the following suggestions to prevent stormwater runoff pollution and to improve water quality:

- Never dump anything down storm drains or into streams
- Sweep driveways and patios clean instead of hosing them down
- Repair your vehicles if they are leaking oil, antifreeze, or other fluids
- Take your car to a car wash, or wash it on the lawn instead of the driveway
- Minimize your use of fertilizers and pesticides; consider going organic
- Plant native trees and shrubs; if you have a stream flowing through your property streamside plantings will help reduce the temperature of the water
- Pick up after your pet

The banner includes contact information for the Greater Oregon City Watershed Council and how to obtain additional information about Oregon City's Stormwater Management Plan.

IV. Clackamas River Water Providers – ongoing throughout the year

Oregon City, through its association with South Fork Water Board, partners with other agencies that use the Clackamas

River for potable water, to promote source water protection and water conservation. Programs include water quality monitoring and a pesticide outreach program. For specific information, and to read their annual report, visit the CRWP website at www.clackamasproviders.org.

V. The Oregon City Website – ongoing throughout the year

A wide variety of information pertaining to stormwater, water quality, and Oregon City's NPDES MS4 permit is available to the public at www.orcity.org.

Social Media Posts

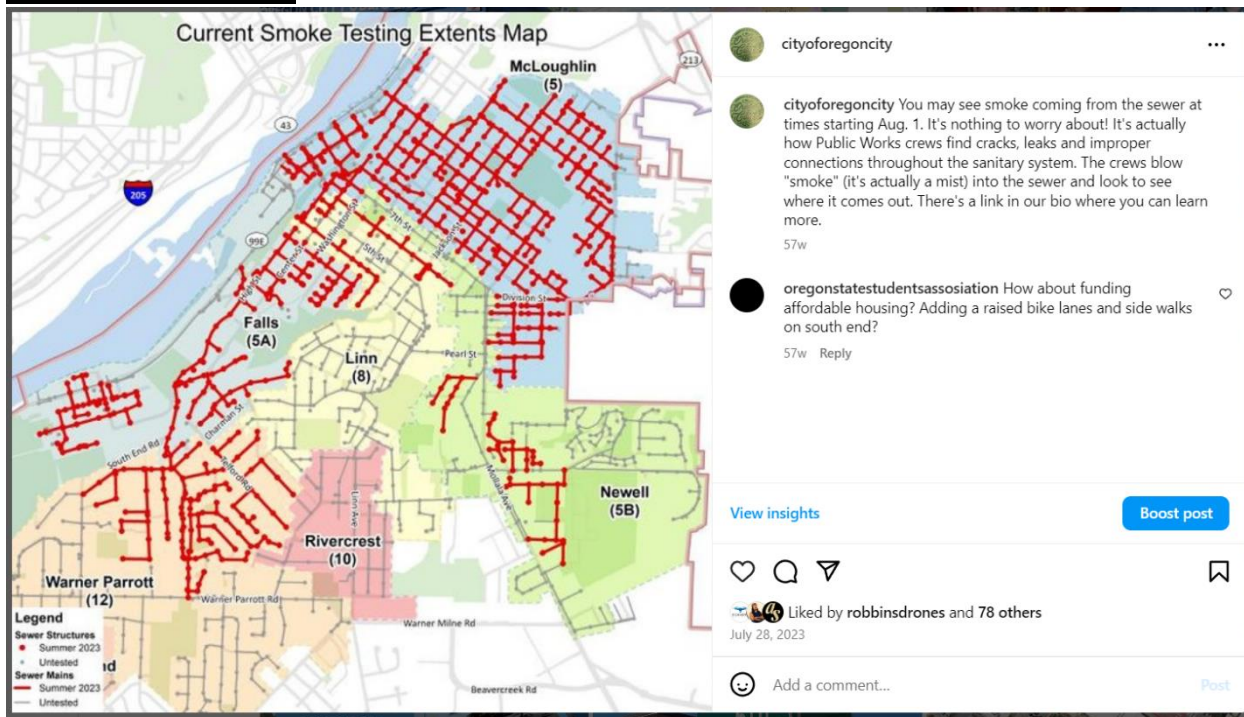


Figure 2 Instagram post for sewer line smoke testing 7-28-23



Figure 1 Instagram post for sewer line smoke testing 9-07-23

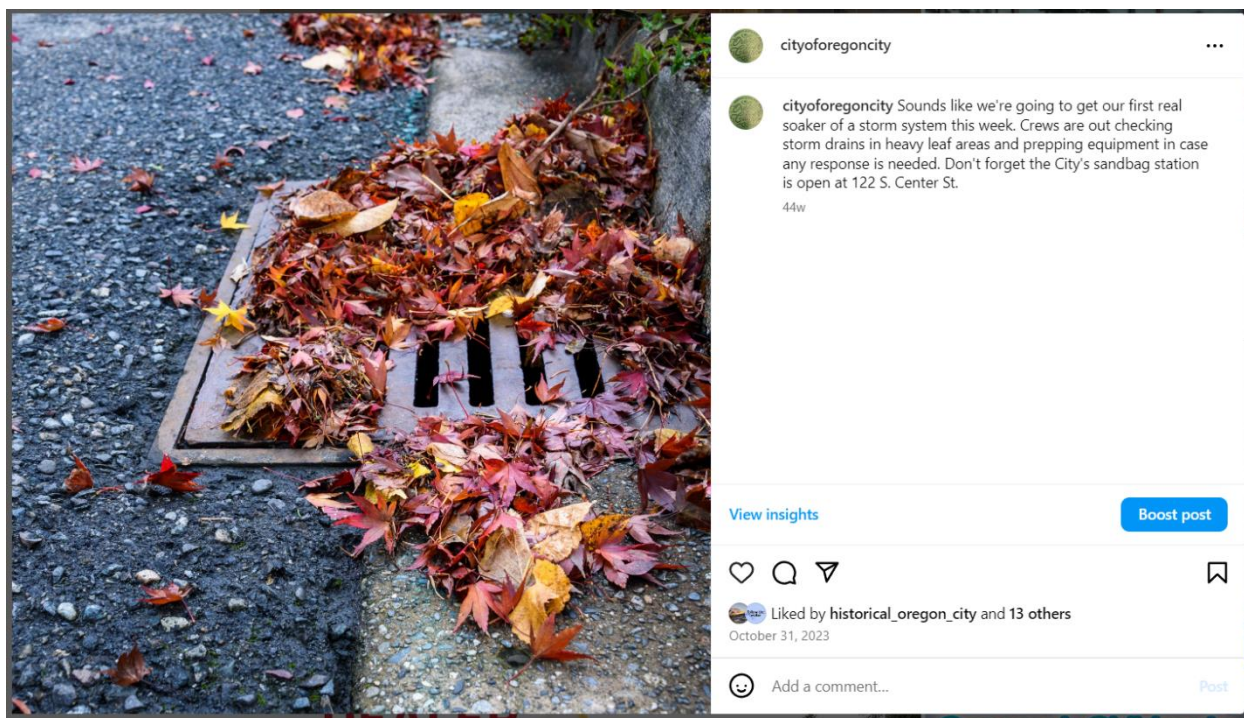


Figure 4 Instagram post for sewer line smoke testing 10-31-23



Figure 3 Facebook post for Oregon City Water quality report 6-16-24

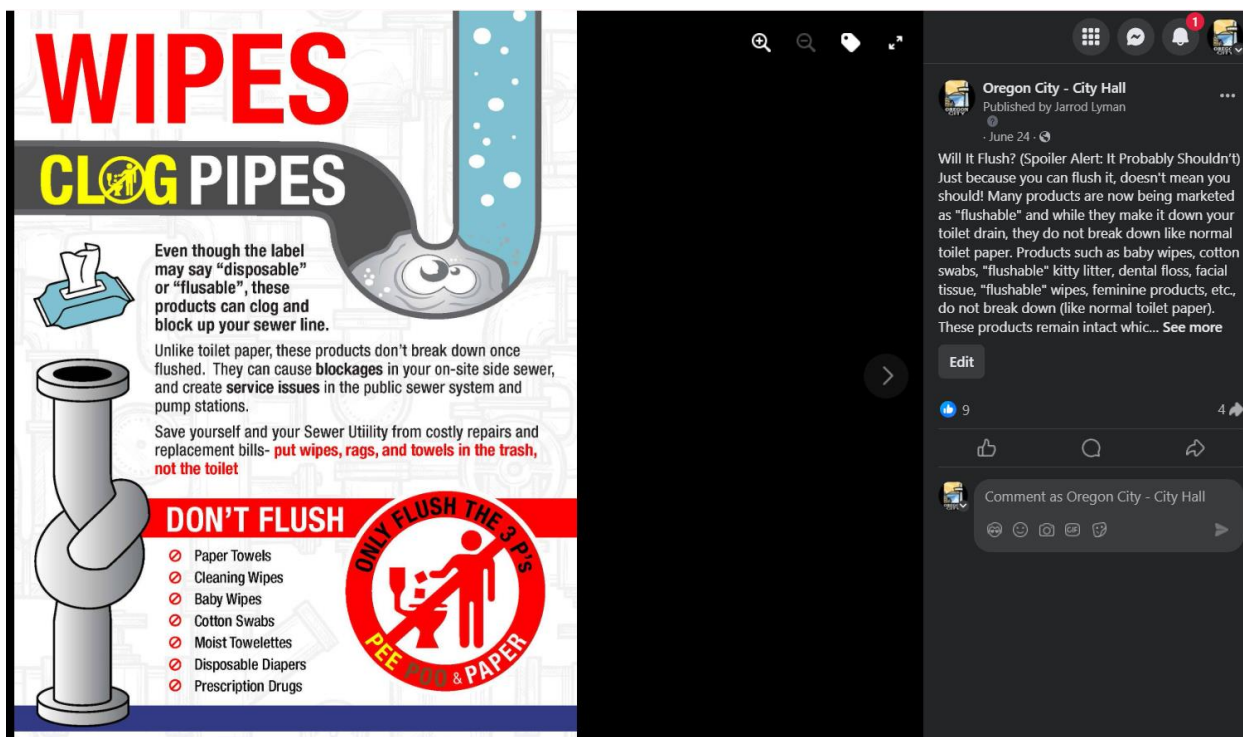


Figure 5 Facebook post Wipes clog pipes 6-24-24

Figure 6 Facebook post featuring new tech to maintain aging sewer lines in the city.

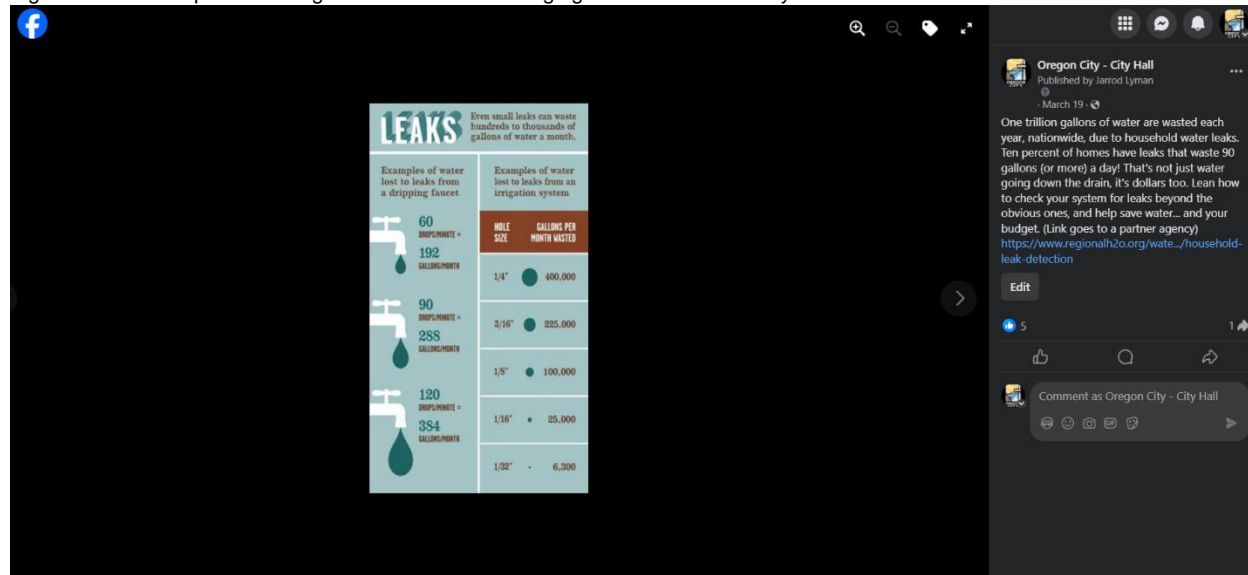


Figure 7 Facebook post on BMP for water conservation 3-19-24



Figure 8 Facebook post informing public that the 2023 water quality report is available for review 5-24-23

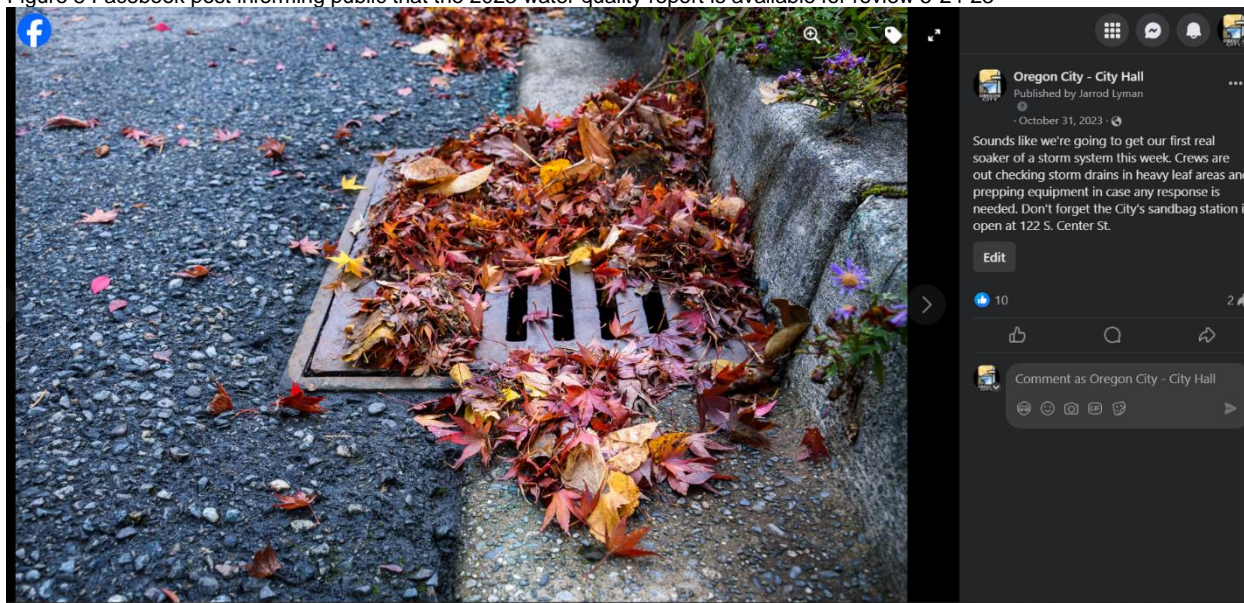


Figure 9 Facebook post promoting Oregon City's stormwater crew efforts to clean catch basins and prevent flooding.

Collaboration with Other Agencies

VI. Clackamas River Water Providers – ongoing throughout the year

Oregon City, through its association with South Fork Water Board, partners with other agencies that use the Clackamas

River for potable water, to promote source water protection and water conservation. Programs include water quality monitoring and a pesticide outreach program. For specific information, and to read their annual report, visit the CRWP website at www.clackamasproviders.org. “Clean Water, It’s Our Future” Campaign on KPTV Chanel 12 on Television and Website (<https://www.kptv.com/water/>)

Oregon City continues to partner with other agencies in the Portland metro area in sponsoring public education messaging via KPTV media outlets. The campaign identifies simple things that can be done to keep our rivers and streams healthy. The following topics were highlighted on their website, social media, and television during the 2023-2024 campaign:

- Reducing stress while gardening
- Car maintenance
- Water friendly weed control
- Clean gutters and storm drains
- Fall lawn tips
- Clean driveways

VII. Regional Coalition for Clean Rivers and Streams

Oregon City is one of the Clean River Partners of Clackamas County. As such, the city continues to support the effort, along with other agencies in the Portland metro area, to educate the public about the impact of stormwater runoff pollution on the health of our rivers and streams. For specific information about the current campaign – The River Starts Here – visit the Coalition website at <http://theriverstartshere.org/>.

VIII. The Environmental Learning Center at Clackamas Community College

Oregon City has begun a partnership with the Environmental Learning Center (ELC) at Clackamas Community College (CCC) to fund Watershed Health Program Activities for all age groups ranging from Preschool Programs to adults and continuing professional education.



