

CITY OF SALEM, OREGON

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MUNICIPAL SEPARATE STORM SEWER SYSTEM
(MS4) PERMIT

(Permit Number 101513, File Number 108919)

ANNUAL REPORT
Reporting Year/Fiscal Year 2023-24

October 28, 2024

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.


Mark Bectel, AICP, Operations Division Manager

10/30/2024
Date

Prepared by
City of Salem Public Works Department



This page intentionally left blank.

Table of Contents

1	INTRODUCTION	5
1.1	PERMIT BACKGROUND	5
1.2	PURPOSE AND SCOPE	7
1.3	ADAPTIVE MANAGEMENT	9
2	STATUS OF THE STORMWATER MANAGEMENT PROGRAM DOCUMENT	12
3	PROGRAM EXPENDITURES AND FUNDING SOURCES	33
4	ENFORCEMENT ACTIONS, INSPECTIONS, AND PUBLIC EDUCATION	34
5	MONITORING	35
6	PLANNING, LAND USE CHANGES, AND DEVELOPMENT	36
6.1	PLANNING.....	37
6.2	LAND USE CHANGES.....	37
6.3	NEW DEVELOPMENT ACTIVITIES.....	37
7	ADDITIONAL ANNUAL REPORT REQUIREMENTS	44

LIST OF FIGURES

FIGURE 1.	PERMIT AREA MAP	10
FIGURE 2.	LAND USE.....	11

LIST OF TABLES

TABLE 1.	ANNUAL REPORTING REQUIREMENTS FOR THE MS4 PERMIT	7
TABLE 2.	EDUCATION AND OUTREACH BMPS	13
TABLE 3.	PUBLIC INVOLVEMENT AND PARTICIPATION BMPS	16
TABLE 4.	ILLICIT DISCHARGE DETECTION AND ELIMINATION BMPS	18
TABLE 5.	CONSTRUCTION SITE RUNOFF CONTROL BMPS.....	20
TABLE 6.	POST-CONSTRUCTION STORMWATER MANAGEMENT BMPS.....	22
TABLE 7.	MUNICIPAL OPERATIONS AND MAINTENANCE BMPS	24
TABLE 8.	INDUSTRIAL AND COMMERCIAL FACILITIES BMPS.....	30
TABLE 9.	STORMWATER PROGRAM IMPLEMENTATION BMPS	31
TABLE 10.	STORMWATER PROGRAM BUDGET	33
TABLE 11.	VIOLATIONS REPORT	34
TABLE 12.	PERMITTED BUSINESSES LIST.....	34
TABLE 13.	LAND USE CHANGES.....	37
TABLE 14.	NEW DEVELOPMENT: COMMERCIAL/INDUSTRIAL DEVELOPMENT.....	37
TABLE 15.	NEW DEVELOPMENT: MULTI-FAMILY/MIXED USE DEVELOPMENT.....	41
TABLE 16.	NEW DEVELOPMENT: SUBDIVISION DEVELOPMENT	42
TABLE 17.	ADDITIONAL ANNUAL REPORT REQUIREMENT.....	44

LIST OF ATTACHMENTS

ATTACHMENT 1:	Stormwater Management Program Reporting Shortfalls for Reporting Year 2023-24
ATTACHMENT 2:	Outreach and Public Involvement Plan 2023-24
ATTACHMENT 3:	Clean Streams Outreach Annual Report FY 2023-24
ATTACHMENT 4:	Summary of Water Quality Data
ATTACHMENT 5:	Erosion Control Enforcement Actions July 1, 2023- June 30, 2024

LIST OF ACRONYMS

ACWA	Association of Clean Water Agencies
APWA	American Public Works Association
BMP	Best Management Practice
CFR	Code of Federal Regulations
CIP	Capital Improvement Plan
COE	U.S. Army Corps of Engineers
CON	Construction-related BMPs
DEQ	Oregon Department of Environmental Quality
EPA	U.S. Environmental Protection Agency
EPSC	Erosion Prevention and Sediment Control
ES	Environmental Services (City of Salem)
FEMA	Federal Emergency Management Act
GIS	Geographic Information System
IDEP	Illicit Discharge Elimination Program
IGA	Inter-governmental Agreement
ILL	Illicit discharge related BMPs
IND	Industrial-related BMPs
MEP	Maximum Extent Practicable
mg/L	Milligrams per liter
MOA	Memorandum of Agreement
MS4	Municipal Separate Storm Sewer System
MWOG	Mid-Willamette Valley Outreach Group
ODA	Oregon Department of Agriculture
ODOT	Oregon Department of Transportation
PSFA	Private Stormwater Facility Agreement
ppm	Parts per million
RC	Residential and commercial area related BMPs
SDC	System Development Charge
SKAPAC	Salem/Keizer Area Planning Advisory Committee
SRC	Salem Revised Code
SSORP	Sanitary Sewer Overflow Response Plan
SWMP	Stormwater Management Plan
TMDL	Total Maximum Daily Load

1 INTRODUCTION

1.1 Permit Background

In 1990, the United States Environmental Protection Agency (EPA) published its Phase I regulations governing stormwater discharges under the National Pollutant Discharge Elimination System (NPDES) program of the Clean Water Act. In Oregon, the EPA has delegated the permitting of NPDES municipal separate storm sewer system (MS4) discharges to the Oregon Department of Environmental Quality (DEQ).

Under the EPA's initial Phase I implementation of the program, municipalities having a population greater than 100,000 were required to obtain an NPDES MS4 permit. The City of Salem (City) passed that threshold with the 1990 Census and was included in the program by the DEQ, with the Oregon Department of Transportation (ODOT) originally designated as a co-permittee with Salem.

The regulations established a two-part application process for obtaining a NPDES Permit to discharge municipal stormwater to "waters of the state." The City submitted the Part 1 NPDES stormwater permit application in April 1994. The supplemental Part 2 application and associated Stormwater Management Plan (SWMP) were subsequently finalized and submitted to DEQ in July 1996. DEQ issued the City's initial NPDES MS4 permit in December 1997, with an expiration date of September 2002.

An application for permit renewal was submitted to the DEQ in April 2002, and the City's second MS4 permit was issued in March 2004. The next permit renewal application was submitted to the DEQ in 2008. This application included a revised SWMP (2008 SWMP) that was developed in part using the EPA document *Municipal Separate Storm Sewer System Program Evaluation Guidance* (January 2008). Following permit negotiations, the 2008 SWMP was further revised and submitted to the DEQ on August 13, 2010.

The City's renewed (third) MS4 permit was issued on December 30, 2010. Consistent with requirements of Schedule D.6 of the renewed MS4 permit, the City resubmitted the SWMP (revised 2010 SWMP) to DEQ on March 17, 2011. The EPA conducted an inspection of the City's MS4 program from July 31, 2012, through August 2, 2012, to assess compliance with the NPDES MS4 permit. The results of the audit were released during the FY 2013-14 reporting period and indicated that the City was deficient in meeting its construction site runoff control requirements. An EPA Administrative Compliance Order by Consent (Consent Order) was issued for the City to: 1) develop and document its construction site plan review procedures; 2) develop and document inspection procedures for construction sites; and 3) submit a separate report of all construction site inspections annually through the expiration of the current MS4 permit. The City remedied the deficiencies in its construction site erosion control program within 90 days of the Consent Order, submitted its first annual construction site inspection report on November 1, 2013, and met all requirements of the NPDES MS4 permit and the EPA Consent Order through the end of the third permit term.

The City's third permit had an expiration date of December 29, 2015. A renewal application was submitted in December 2015 (per the conditions listed under Schedule F, Section A.4) and the DEQ confirmed (in a letter dated March 1, 2016) that the permit was administratively extended until a new permit was issued.

DEQ issued the City its fourth MS4 permit on September 15, 2021, and it went into effect on October 1, 2021. The Reporting Year/Fiscal Year 2021-22 annual report package included the elements necessary to meet requirements of the third and fourth permits, including an updated Stormwater Management Program Document (SWMP Document) that was open to public comment for 30 days, a mercury minimization assessment, an updated monitoring plan, and Winter Maintenance Activities (Winter Weather Snow and Ice Plan).

Salem's updated SWMP Document was approved by DEQ in January 2023. As a result, the City worked under two SWMP Documents for Reporting Year/Fiscal Year 2022-23 and the actions were reported on accordingly. In addition to the annual report, the permit deliverables with a due date of November 1, 2023, included a LID/GI Strategy and program description, an Infrastructure Retrofit and Hydromodification Assessment Update, an update of the prioritization criteria for dry weather screening locations, and a review of construction escalating enforcement procedures. An updated Industrial/Commercial Strategy was also due by November 1, 2023; however, the City updated and provided a 30-day public comment period on it the previous fiscal year and submitted it to DEQ along with the Reporting Year/Fiscal Year 2021-22 annual report.

This year's report covers Reporting Year/Fiscal Year 2023-24 and is the first full year of operating under the 2023 DEQ-approved SWMP Document. No major deliverables are due; however, extensive work went into updating ordinances to fulfill the requirements of the permit for the Construction Runoff and Post Construction elements due in the next reporting term.

The current MS4 permit issued to the City of Salem covers the Willamette River Basin with the Middle Willamette River and Molalla-Pudding Subbasins that include the following waterbodies:

Willamette River, Little Pudding River, Claggett Creek, Battle Creek, Clark Creek, Croisan Creek, Gibson Gulch (Creek), Glenn Creek, Laurel Creek, Mill Creek, Pettijohn Creek, Shelton Ditch, and the Willamette Slough.

In addition to addressing pollutants in stormwater through the NPDES MS4 permit and its associated SWMP Document, the City's efforts also address wasteload allocations of the following:

- Final Revised Willamette Basin Mercury TMDL/WQMP (2019-DEQ)
- TMDL for Mercury in Willamette Basin, OR (2019-EPA)
- Willamette Basin Mainstem Bacteria TMDL (2006)
- Molalla-Pudding TMDL (2008) for Bacteria, Iron, DDT, Dieldrin, TSS and including Little Pudding subbasin and tributaries

1.2 Purpose and Scope

The MS4 permit area is defined as the area included within the city limits (encompassing 47 square miles), as exhibited in Figure 1. The City has responsibility for implementing its Stormwater Management Program in that defined area. Land use within the permit area is shown in Figure 2.

This NPDES MS4 Annual Report summarizes stormwater-related activities listed in the 2023 DEQ-approved SWMP Document that were completed during the period of July 1, 2023, through June 30, 2024. The information presented in this report is based on the requirements listed in Schedule B.3 of the 2021 MS4 Permit (see Table 1).

Table 1. Annual Reporting Requirements for the MS4 Permit		
2021 Permit Section	Reporting Requirement	Location in Annual Report
B(3)(a)	The 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 as well as additional annual reporting requirements identified in each section, or, prior to SWMP Document approval by DEQ, measurable goals and tracking metrics approved under the previous permit's approved Stormwater Management Plan(s).	Section 2
B(3)(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 Stormwater Management Program (e.g., new BMPs), 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, based on data from tracking measures, measurable goals, and any monitoring related to the change.	Section 1.3
B(3)(c)	Any proposed changes to SWMP program elements that are designed to reduce TMDL pollutants.	Section 1.3
B(3)(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 year.	Section 2 and associated attachments: Outreach and Public Involvement Plan 2023-24 and Clean Streams Outreach Annual Report FY 23-24.
B(3)(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.	Section 4 and attachment Erosion Control Enforcement Actions July 1, 2023- June 30, 2024
B(3)(f)	A list of entities referred to DEQ for possible 1200-Z NPDES general permit coverage based on permittee screening activities, a list of categories of facilities inspected, and an overview of the results of inspections of commercial and industrial facilities.	Section 2, IC-1

Table 1. Annual Reporting Requirements for the MS4 Permit		
2021 Permit Section	Reporting Requirement	Location in Annual Report
B(3)(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
B(3)(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 permittee or an authorized third party.	Section 5
B(3)(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 5
B(3)(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 Urban Growth Boundary (UGB) expansion areas during the reporting year, and those forecast for the following year, where such data is available.	Section 6
B(3)(k)	The details of all corrective actions implemented associated with Schedule A.1.b.iii during the reporting year.	Section 5 and the attachment Summary of Water Quality Data
B(3)(l)	Additional Annual Report requirements found in these sections of the permit shall also be complied with: <ul style="list-style-type: none"> ● Schedule A.3.c.vii – IDDE ● Schedule A.3.d.vii. – Construction ● Schedule A.3.e – Post-Construction Site Runoff Program ● Schedule A.3.f.v.C – Winter Maintenance information ● Schedule A.3.h.i – Hydromodification Assessment and Stormwater Retrofit Strategy Updates ● Schedule D.3.b – Mercury Minimization Assessment 	Section 7

1.3 Adaptive Management

The stormwater management program that is described in the City's 2023 SWMP Document is the result of adaptively managing (e.g., implementing, evaluating, and adjusting) the program since first being issued an MS4 permit in 1997. The City provided a history of the adaptive management approach in Section 2 of the City's "National Pollutant Discharge Elimination System Municipal Separate Storm Sewer System Permit Renewal (September 2, 2008)," and also submitted and "Adaptive Management Approach" to DEQ on October 24, 2011, as required by the 2010 MS4 permit. For the 2021 MS4 permit, no strategy is required to be submitted; however, per Schedule A.2.d the City must provide metrics in each annual report that can be used for adaptive management purposes to help determine whether programmatic improvements are needed. Schedule A.2.f also states the City must continue to follow the adaptive management approach developed under the previous permit in order to "assess and modify, as necessary, any or all existing SWMP components and adopt new or revised SWMP components to achieve reductions in stormwater pollutants to the MEP." By adaptively managing its stormwater management program, the City continues to reduce the discharge of pollutants from its stormwater system.

In preparation of the SWMP Document update that was due to DEQ November 1, 2022, information provided in previous years' adaptive management process was reviewed and used to update the new SWMP Document.

In the 2022-23 annual report, the following information was provided:

1. For BMP IL-1, justification was provided, and a request was made to remove the portion of the tracking measure that asks for the City to report on estimated spilled materials collected.
2. For BMP OM-4, information was provided about the catch basin inspection app, staff training on that app, and a dashboard to monitor catch basin inspection progress.
3. For BMP OM-5, we continue to seek a way to determine whether a mechanism to collect meaningful data for managing the program can be determined for tracking quantity of debris removed.

For the current report (2023-24 annual report), we have the following items to include:

1. For BMP OM-5, Street Sweeping and Debris Control, the Fall Leaf Haul event was reduced from two events per year to one and it is proposed to be cut in FY 2025-26 due to declining participation. These decisions were made based on declining leaf amounts tracked since 2001 and attendance tracked since 2020.

Justification: Since 2020 there has been a significant downward trend in people using the service. In 2020, 336 vehicles brought 450 cubic yards of leaves to Brown's Island Landfill (down from 650 cubic yards in 2019). By 2022 numbers had dropped to 186 vehicles bringing 205 cubic yards. Last year, 165 vehicles brought 200 cubic yards. Therefore, the decision has been made to discontinue the Fall Leaf Haul in 2025; 2024 will be the last year. Fortunately, there are many alternate ways for residents to dispose of or reuse their leaves including using the yard waste bin, composting, or mulch mowing.

2. For BMP OM-4, the City fell short of three goals: 1. Stormwater Conveyance Pipe Inspections of 120,000 lineal feet, 2. Stormwater Conveyance Pipe Cleaning of 300,000 lineal feet, and 3. Catch Basin Inspections of 50 percent of the total number of basins. The contributing factors for these shortfalls and the mitigation measures for future compliance can be found in the attachment titled Stormwater Management Program Reporting Shortfalls for Reporting Year 2023-24.

Figure 1. Permit Area Map

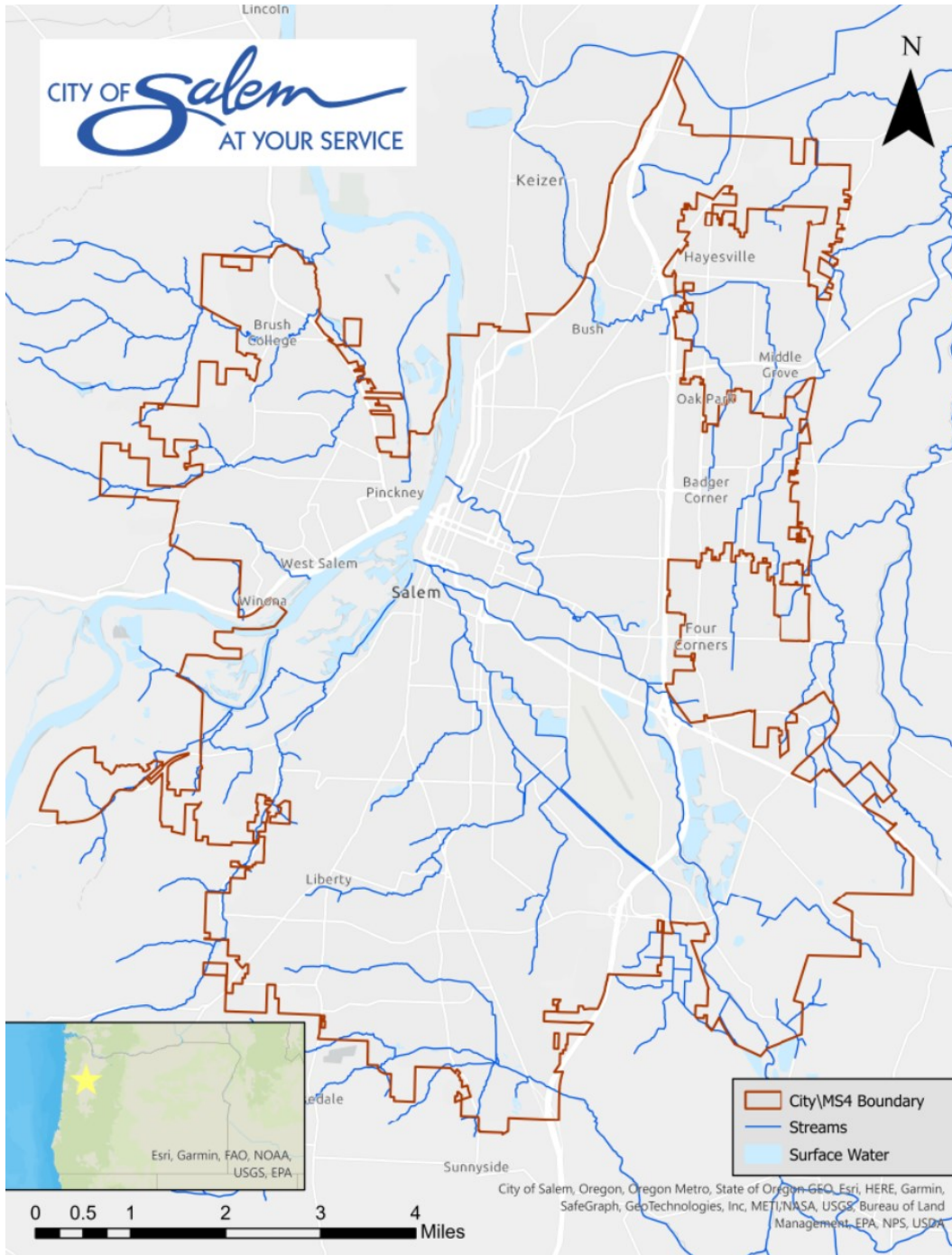
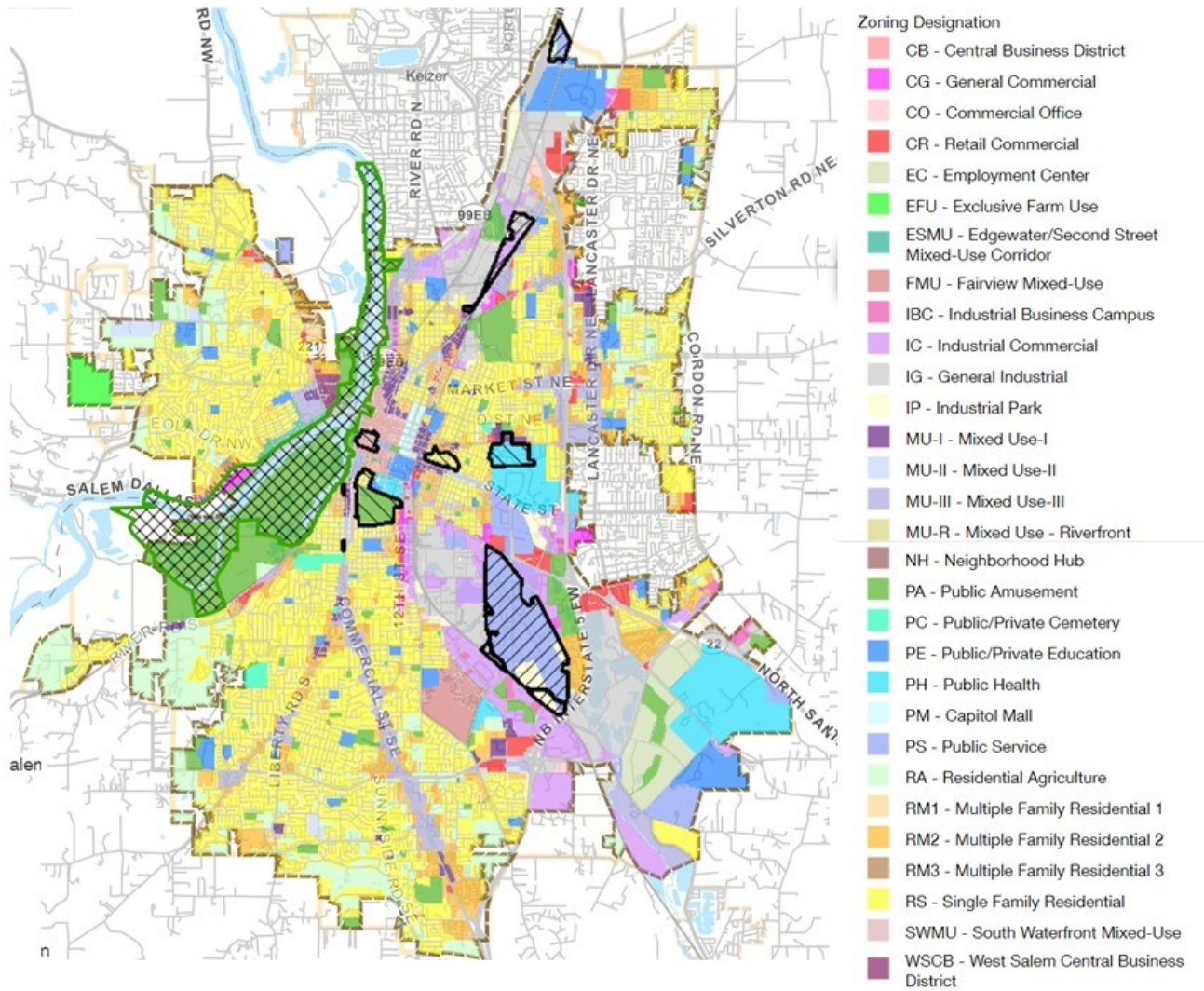


Figure 2. Land Use Map 2024



2 STATUS OF THE STORMWATER MANAGEMENT PROGRAM DOCUMENT

The primary objective of the SWMP Document is to provide an outline of City activities that will satisfy the NPDES MS4 Phase I stormwater permit regulatory requirements [40 CFR 122.26(d)(2)(iv)]. The intent of the regulations is to allow each permittee the opportunity to design a stormwater management program tailored to suit the individual and unique needs and conditions of the permit area and reduce the discharge of pollutants from the stormwater sewer system to the maximum extent practicable.

The status of BMP activities listed in the 2023 DEQ-approved SWMP Document is discussed in this section of the Annual Report. BMPs within the SWMP Document have been categorized into the following control measures:

- Education and Outreach (EO)
- Public Involvement and Participation (PI)
- Illicit Discharge Detection and Elimination (IL)
- Construction Site Runoff Control (EC)
- Post-Construction Stormwater Management (PC)
- Municipal Operations and Maintenance (OM)
- Industrial and Commercial Facilities (IC)
- Stormwater Program Implementation (SP)

Each BMP identified in the 2023 DEQ-approved SWMP Document is discussed in this report with the following information:

- A table describing BMPs, associated measurable goals, and tracking measures as stated in the 2023 DEQ-approved SWMP Document.
- Notation of which TMDL pollutant the BMPs address along with a summary of activities completed during Fiscal Year 2023-2024 (July 1, 2023, through June 30, 2024) that demonstrates progress toward meeting the measurable goals and tracking measures.

Table 2: Education and Outreach BMPs

BMP Name	BMP Description	Measurable Goals	Annual Tracking Measures	TMDL Pollutants Addressed	FY 2023-24 Activity
<p>EO-1. MS4 Staff Training (Previously RC 1-4, RC1-8, RC 4-3, RC 4-4)</p>	<p>The stormwater permit is a city-wide permit. Staff who perform stormwater-related functions should have knowledge of their position and how their work relates to the permit. Management should understand the permit as well. City staff will meet to coordinate efforts relating to stormwater training. Topics of the coordination meetings may include outreach activities, program reviews and documentation of maintenance protocols, annual reporting, monitoring, sharing of data, adaptive management, review/update of documents and procedures, training needs, use of the asset management database, the involvement of inspection, maintenance, and operations staff in plan review and program development, checklists, and erosion control.</p> <p>The Operations and Maintenance (O&M) workgroup will conduct safety and tailgate meetings to review and improve the O&M practices and training needs with regards to safety and protection of water quality.</p> <p>Staff training is offered and required in a variety of stormwater related topics. The City’s NPDES MS4 Training plan outlines appropriate staff, training frequency, and potential training resources for each training topic.</p> <p>Reference Document: NPDES MS4 Training Plan</p>	<p>Conduct annual training of staff involved in MS4-related positions, in accordance with the NPDES MS4 Training Plan.</p>	<p>Training dates and number of staff attending</p>	<p>✓ TSS ✓ Bacteria ✓ Mercury ✓ Temperature</p>	<p>The following trainings were conducted during the reporting period: * IDDE training: Forty staff members from field staff to field supervisors took the online training on various days in June 2024. * Dry Weather Outfall training: Eleven Stream Crew Interns who conducted dry weather outfalls in the summer of 2023 participated in the training the first week of their employment on June 28, 2023. Additionally, on July 12, 2023, the new monitoring tech received in-field training on the dry weather outfall process. * SW Inspections training for BMPs: * One permanent inspector attended a Vegetation Stormwater Facilities training from Clackamas Environmental Learning Center on January 25, 2024. * One seasonal inspector received in-field training from permanent inspections staff as well as a series of training videos about the items they will be inspecting. In addition, both permanent instructors completed CESCL certification this fiscal year (see below). * Storm Drain Cleaning training: Multiple times throughout the year supervisors discussed with staff how to use the Catch Basin Cleaning app to ensure proper measurements and data are being input properly. * Good Housekeeping training: Eleven Stream Crew members and five new Operations and Maintenance participated in the IDDE/Good Housekeeping training on June 27, 2024. * Additional: CESLE Training: Four O&M staff and two Stormwater Inspections staff received full CESCLE certification and two O&M staff were recertified.</p>
		<p>Stormwater supervisors will meet quarterly to coordinate training and adaptively manage programs.</p>	<p>Dates of stormwater supervisor meetings</p>		<p>Meetings: Stormwater supervisors meetings discussing programs, trainings, and adaptive management were held on the following days: August 18, 2023 (topic: discussion of a dam located on Mill Creek and its impacts; October 18, 2023 (topic: stormwater report catch basin cleaning BMP); January 8, 2024 (topic: mitigation required for an embankment restoration project); January 9 (topics: City Works asset management, catch basin cleaning goals, CESCL training, post-stream crew review); March 12, 2024 (topic: review of illicit discharge procedures); May 21, 2024 (topics: stream crew preparation, annual report and City Works, storm drain cleaning schedule and staffing, open positions, and job duties); June 27, 2024 (meet and greet with stream crew, stormwater quality, and stormwater operations and maintenance. Training: jobs descriptions and tasks and</p>

					their relation to the stormwater permit, operating under a stormwater permit, and an introduction to IDDE and good housekeeping BMPs.)
--	--	--	--	--	--

BMP Name	BMP Description	Measurable Goals	Annual Tracking Measures	TMDL Pollutants Addressed	FY 2023-24 Activity
EO-2. Public Education and Outreach (Previously RC1-5, RC5-1, RC5-2, RC5-3, ILL3-3, ILL3-4)	<p>Nearly 90 miles of streams flow through Salem providing character, beauty, wildlife habitat, recreation, and more to the community. The streams are the backbone of the City's stormwater system, and it takes a full community effort to keep them healthy. The City developed the Clean Streams Initiative (CSI) that is the umbrella for stormwater outreach, education, and involvement. The City's Clean Streams, Clear Choices Initiative was developed to educate the community on impactful choices they can make to keep pollution out of stormwater runoff and local streams. The webpage can be found at www.CleanStreamsSalem.org. The CSI has both general and select-audience outreach and many elements of the program are referenced in the public education and outreach strategy matrix.</p> <p>The matrix also identifies goals, pollutants of concern, priority audiences, education, and activities (messaging methods), topics, the entity or individual responsible for implementation, potential strategies, evaluation metrics, and potential partners. The City also coordinates with other agencies, NGOs, private environmental groups, and watershed councils.</p> <p>Based on the campaign's selected audience, translate stormwater program materials (brochures, flyers, manuals, guidelines, and website) into culturally relevant messages.</p> <p>Reference Document: Public Outreach Program Matrix</p>	<p>Create an annual education and outreach plan showing Priority audience, topic, messaging method.</p>	<p>Confirm development of annual education and outreach plan</p>	<ul style="list-style-type: none"> ✓ TSS ✓ Bacteria ✓ Mercury ✓ Temperature 	<p>Created: The annual plan was created for FY 2023-24. Both planned activities and implemented activities and campaigns can be seen in attachment Outreach & Public Involvement Plan 2023-24.</p> <p>In addition, the City partners with the Clean Rivers Coalition for digital media amplification and social marketing programs. They also partner with the Clean Water Partners for promotions on KPTV Fox 12 Oregon.</p>
		<p>Meet with City's DEI Coordinator annually, during development of outreach and education plan.</p>	<p>Date of meeting with DEI coordinator</p>		<p>Amended: The City no longer has a DEI Coordinator. Therefore, the Clean Streams Outreach and Marketing Analyst attended the following applicable DEI trainings: *Mayor's Monarch Pledge Meeting on May 13, 2024, covering Queer Ecology and Uplifting Diverse Perspectives in Science, review of the three-part blog series on topic. *2024 ACWA Stormwater Summit presentation on Reducing Toxics-Using Digital Media to Reach People and Impact Behaviors held on May 15, 2024.</p>
		<p>Implement identified public outreach activities and campaigns.</p>	<p>Create an annual report that details the outreach activities and includes an evaluation of at least one outreach event or program for adaptive management.</p>		<p>Implemented: Activities from the Outreach and Public Involvement Plan were implemented for FY 2023-24. The results can be seen in attachment Clean Streams Outreach Annual Report FY 23-24.</p>
		<p>Support Marion County in providing alternatives for household hazardous waste disposal, including mercury containing items.</p>	<p>Types of publicity for Marion County household hazardous waste program</p>		<p>Supported: The City provided messaging that support household hazardous waste with the following:</p> <p>Facebook Posts</p> <p>9/28/2023 Mercury - recycle CFLs 10/28/2023 Mercury - Prescription Drug Take Back 12/18/2023 Electronics Recycling - Marion Co. Recycle Guide 1/20/2024 Recycle Guide through Marion Co. 4/24/2024 Mercury - Prescription Drug Take Back 6/24/2024 Upcycling & Recycling - Marion Co. Recycle Guide</p> <p>Newsletters</p> <p>Oct. 2023 Mercury - Prescription Drug Take Back Feb. 2024 Reduce, Reuse, Recycle - Marion Co. Recycle Guide</p>

Table 3: Public Involvement and Participation BMPs

BMP Name	BMP Description	Measurable Goals	Annual Tracking Measures	TMDL Pollutants Addressed	FY 2023-24 Activity
PI-1. Stormwater Program Website (New BMP)	Websites are a valuable tool for sharing an organization’s information with the community. include required stormwater program information, updated SWMP, a SWMP Document Library, Annual Reports, and links to stormwater program ordinances and guidance documents. Highlight pollution prevention, spill reporting, illicit discharge complaint reporting, education and outreach messages, and stewardship opportunities. Add links to ordinances, policies and/or guidance documents related to construction, post-construction, and industrial/commercial programs, including education, training, licensing, and permitting.	Update information on website in 2022.	Confirm website update in 2022.		Completed: A new webpage was created to house all information for the annual report and all associated documents, links, and policy updates in 2022. Completed: Staff reviewed the web pages and submitted updates to the web team for implementation. All submissions were completed.
		At least annually review the webpages to check for accuracy, working links, staff changes, new documents, and policy updates.	Completion of annual website review checklist.		
PI-2. Watershed Grants (Previously RC 8-1)	The City’s watershed grants provide the community opportunity to be involved with enhancing local streams and watersheds. To be eligible, projects must be located inside the City’s water/sewer customer service area. Exceptions may be made for projects that have a direct impact on the City’s drinking water supply or water quality on streams flowing through Salem. The grant supports riparian restoration efforts, education, and/or stormwater-related improvements within the city, such as stormwater quantity reduction and/or stormwater quality/treatment.	Fund \$50,000 annually for the Watershed Protection and Preservation Grant for projects that enhance Salem’s water resources.	Annual inclusion of \$50,000 in the budget Number of approved Watershed Grants, their project category, and overall funds spent.	✓ TSS ✓ Bacteria ✓ Mercury ✓ Temperature	Funded: \$50,000 was budgeted. Grants submitted and approved: The City received two new grant applications, one of which has been returned to applicant for further information and the other, which is for a neighborhood-scale streamside riparian restoration project, was approved by the grant committee. *Completed: One grant from the previous FY to build a rain garden was completed. *In progress: Two approved grants from the previous FY were rolled into this year for completion. One is for an endangered species study and the other for a beaver strategy. *On hold: One grant submitted in the previous year for riparian restoration is tentatively approved, pending additional permitting information.
		Promote the grant program.	Promotion mechanism and frequency		
PI-3 Adopt-a-Street Program (Previously ILL3-1)	Continue to implement the Adopt-a-Street Program. The program is an effective way to get residents involved in keeping the community’s streets and right-of-way clean, and consequently preventing trash and debris from entering the storm drainage system.	Continue to implement the Adopt-a-Street Program.	Miles of adoptable and adopted streets, number of participating groups/individuals, and pounds of litter collected.	✓ Bacteria	Ongoing: The Adopt-a-Street Program is running at normal capacity, but a few major changes have taken place this year. The miles of adopted streets rose slightly (up about 3 miles); however, the number of volunteers is down by about 300. Smaller groups and couples seem to be trending in the program lately, with larger groups falling off the radar. The most significant change is the amount of garbage collected; it is down by over 6,000 lbs. Stats: *Miles of adoptable streets: 112.55 *Miles of streets adopted (including pending): 96.47 *Number of groups: 84 (this number includes some individuals) *Number of volunteers: 1,217 *Pounds collected in FY 2023-24: 9,745
PI-4 Adopt-a-Stream Program (Previously ILL3-3)	This program involves teachers and youth participating in stream stewardship opportunities with their classes through stream studies and restoration projects. This introduces young people to the importance of water quality and encourages their involvement in further stewardship opportunities.	Continue to support the Adopt-a-Stream Program.	Number of participating groups, and support provided.	✓ TSS ✓ Bacteria ✓ Mercury ✓ Temperature	On-going: Staff provided 5 in-class macroinvertebrate presentations and participated in presenting macroinvertebrates at 7 days of Outdoor School.

PI-5 Storm Drain Marking Program (New BMP)	Provide storm drain marking program each summer. Volunteers work with City staff to mark storm drains. The messaging helps to spread the word that the trash and dirty water that enters a storm drain ends up in local streams where it creates water pollution and can harm wildlife.	Provide marking to 100 storm drains per year.	Number of drains marked	<ul style="list-style-type: none"> ✓ TSS ✓ Bacteria ✓ Mercury 	Marked: 314 storm drains were marked during FY 2023-24 by 12 volunteers.
PI-6 Volunteer Green Infrastructure Cleaning Program (New BMP)	As cities develop, Green Stormwater Infrastructure (GSI) facilities are constructed to help reduce the stormwater pollutant load that reaches local streams. These facilities require trash removal and landscape maintenance on a regular basis to function properly. With more stormwater facilities being built with GSI techniques, community members can help make a difference in their neighborhood by volunteering to assist in maintaining GSI facilities.	Develop volunteer GSI cleaning program by June 30, 2024.	Progress towards program development of volunteer GSI cleaning program	<ul style="list-style-type: none"> ✓ TSS ✓ Bacteria ✓ Mercury 	In Development: While this program has officially launched, it is continuing to be built and improved upon as the program grows. The interactive GIS web map still needs minor improvements and locations are being assigned based on what is convenient to each person/group.
		Implement program beginning July 1, 2024.	Number of facilities cleaned by volunteers		Implemented: 6 facilities were cleaned by individuals or groups in FY 2023-24.

Table 4: Illicit Discharge Detection and Elimination BMPs

BMP Name	BMP Description	Measurable Goals	Annual Tracking Measures	TMDL Pollutants Addressed	FY 2023-24 Activity
IL-1. Spill Prevention and Response (Previously ILL1-1, ILL1-2, ILL1-3)	Spill prevention and response are the first lines of pollution prevention to guard stream health. Continue to implement the existing spill prevention and emergency response program to coordinate timely responses to, and clean-up of emergency response sites and structural fires. Coordinate activities among other relevant agencies and ODOT when appropriate. Update the City's Spill Response Plan, based on Salem Fire's Standard Operation Guideline (SOG) for spill response, containment, and protection of the MS4 during fire-fighting training activities and general maintenance and cleaning activities at the fire stations. Reference Document: Spill Response Plan	Update the City's Spill Response Plan (include a review schedule with a checklist for the Plan). Post it in the SWMP Document Library.	Status of update to the Spill Response Plan (include Document refinements to cleanup procedures for vehicular accidents and structural fires).	✓ TSS ✓ Bacteria ✓ Mercury	Updated: The Hazardous Materials Minor Spill Response Tactical Guidelines document was updated in June 2023 and is scheduled for review by the Emergency Manager in October 2024. The Spill Prevention and Response Procedures and the Hazardous Materials Minor Spill Guideline documents are posted on the City's website .
		Continue to implement the spill prevention and emergency response program.	Number and category of spill events and responses.		Responded: Staff responded to the following: <ul style="list-style-type: none"> • 28 chemical leaks • 36 fuel/oil spills • 780 motor vehicle accidents
		Conduct daily equipment inspections.	Report revisions to the daily inspection program.		On-going: Staff have moved to using electronic Driver Vehicle Inspection Report (DVIR) forms for most vehicles. Paper inspection forms are used for all else. The system flags vehicles for preventive maintenance, the Fleet team creates a schedule and sends out notices to the department the week before scheduled service. If a driver checks a deficiency on a daily inspection report, the telematics system will send an email notification to Fleet for further inspection/repairs and the driver is not able to complete another inspection until Fleet signs off that the deficiency has been addressed.
IL-2. Illicit Discharge Detection and Elimination Program (Previously ILL2-1, ILL2-2, ILL2-3, ILL3-2)	This program works to keep illicit discharges from occurring. The City operates a 24-hour dispatch center to receive and respond to calls regarding illegal dumping, unusual discharges, suspicious water quality conditions, and other environmental issues. Staff work to identify sources/causes of illicit discharges and implement corrective actions in accordance with the City's IDDE Enforcement Response Plan. Operations staff work with Wastewater collections staff to identify and remedy cross-connections between the sanitary sewer and the stormwater system. Reference Document: IDDE Enforcement Response Plan	Review, update, and post the City's IDDE Enforcement Response Plan in the SWMP Document Library.	Status of update to IDDE Enforcement Response Plan	✓ TSS ✓ Bacteria ✓ Mercury	Status: The Enforcement Response Plan is current, and no update was conducted this fiscal year.
		Continue to operate the 24-hour Public Works Dispatch Reporting Center.	Number of illicit discharge concerns reported		Ongoing: Environmental Services provides staff 24/7 to respond to reports of illegal dumping and environmental complaints received through both the Public Works Dispatch Center and 911 Dispatch Center. Actions taken when responding to calls includes the completion of "Service Requests," a computerized record of calls received, and actions taken. This database is in the Public Works Dispatch Center. Staff responded to 497 incidents during this reporting period.
		Respond to reports of illicit discharges and suspicious water quality conditions within the timelines identified in the IDDE Enforcement Response Plan.	Number of confirmed illicit discharge problems and enforcement action taken.		Ongoing: Environmental Services continues to provide staff to respond, 24/7, to reports of unusual discharges or suspicious water quality conditions. Staff responded to 428 water quality related responses during the reporting year. All responses and corrective measures are tracked in the database. A summary of enforcement actions and inspections is provided in Section 4 of this report. Stats: There were six (6) violations during this reporting period.

		Review stormwater and ambient stream monitoring data to identify possible cross-connection discharges into the stormwater system.	Number of cross connections identified.		Identified: One cross-connection was identified during the reporting year.
		Take corrective action on any identified system cross connection problems.	Number of cross connections remedied.		Corrected: The one cross-connection identified during the reporting year was corrected. Wastewater Collections also provide smoke and dye inspection of lines to identify cross connections.
IL-3. Stream Crew Program (Dry Weather Screening and IDDE) (Previously ILL2-4, RC4-7)	<p>Dry weather screening is a field test method for inspecting storm water drainage areas to help locate and identify harmful and illegal discharges and improper connections to a municipal storm water system.</p> <p>The Summer Stream Crew walks and inspects stream segments. Using summer interns, inspect the riparian areas and streams, pick up litter and garbage, inspect for illicit discharges, address potential conveyance concerns, and evaluate areas for stream restoration.</p> <p>In 2023, update the Dry Weather Outfall and Illicit Discharge Screening Plan to identify new priority outfalls and stream segments. Include pollutant parameter action levels for field screening and SOPs for collecting water quality samples and conducting laboratory analyses in the event of an ongoing discharge.</p> <p>Implement updated Dry Weather Outfall and Illicit Discharge Screening Plan, with annual priorities for field inspections.</p> <p>Develop GIS geodatabase for storage and display of outfalls with observed dry weather discharges. Over time, this geodatabase will represent areas of chronic illicit discharges.</p> <p>Reference Document: Dry Weather Outfall and Illicit Discharge Screening Plan</p>	Conduct dry weather inspections for a minimum of 35 outfalls annually.	Number of outfall inspections conducted and results of inspections including follow-up activities.	<ul style="list-style-type: none"> ✓ TSS ✓ Bacteria ✓ Mercury 	<p>Number of inspections conducted: The FY 2023-24 dry weather outfall screening effort recorded 100 outfall inspections (outfall structures or the first available upstream manhole), 86 of which had observable flow.</p> <p>Inspection results and follow up: 26 of these sites were tested for E. coli, with 13 of these sites warranting further testing for Ammonia, Detergents, Surfactants, Sodium and Potassium. Results can be found in Attachment 3: Summary of Water Quality Data.</p>
		Develop GIS geodatabase for storage and display of observed dry weather flows and add observed dry weather flows to GIS geodatabase annually.	Number of outfalls with observed dry weather flows added to GIS geodatabase.		<p>Number added to the GIS geodatabase: 25 new outfalls with observed dry weather flows that hadn't previously been identified were added to the database during the FY 2023-24 inspections.</p>
		Update Dry Weather Outfall and Illicit Discharge Screening Plan in 2023 with updated priority areas, pollutant parameter actions levels, and water quality sampling SOPs.	Status of updating the Dry Weather Outfall and Illicit Discharge Screening Plan		<p>Plan Status Updated and Approved: The Dry Weather Outfall and Illicit Discharge Screening Plan was updated, submitted to DEQ by Nov 1, 2023, and approved by DEQ. The new plan will be implemented Summer of 2024 and results will be included with the FY 2024-25 annual report.</p>
		Walk 50% of waterways within Salem each year for stream clean up and enhancement.	Waterway miles walked and the amount of garbage/litter removed.		<p>Miles of waterways walked, inspected, and cleaned: 59.7, which more than 50 percent of the waterways in Salem.</p> <p>Amount of garbage/litter removed: 41,887 pounds</p>

Table 5: Construction Site Runoff Control BMPs

BMP Name	BMP Description	Measurable Goals	Annual Tracking Measures	TMDL Pollutants Addressed	FY 2023-24 Activity
EC-1. Erosion Control Requirements (Previously CON1-1, RC9-1, RC9-2, and RC9-3)	Erosion Prevention and Sediment Control requirements are outlined in SRC Chapter 75. The requirements include the submission of erosion prevention and sediment control plans with structural and nonstructural BMPs. Review the existing ordinance/code and design guidelines. Update the thresholds for erosion control requirements for consistency with the NPDES MS4 Permit (i.e., remove the exemption for projects under 25 cubic yards of disturbance). Review and update (if needed) structural and non-structural erosion control BMP requirements for consistency with industry standards, accepted practices, and new technologies Reference Documents: ACWA Construction Site Stormwater Guide	Update SRC Chapter 75 to update the threshold for erosion control requirements for consistency with NPDES MS4 permit by November 1, 2024.	Status on updating SRC Chapter 75	✓ TSS ✓ Mercury	In progress: The package is being prepared to go to Council for first reading on September 9, 2024. A second reading will follow later in September. The updates would be effective October 23, 2024.
		Review and update (if needed) the Erosion Prevention and Sediment Control Technical Guidance Handbook.	Status on updates to the Erosion Prevention and Sediment Control Technical Guidance Handbook.		None: No updates were documented.
EC-2. ESC Plan Review (Previously CON1-3, CON1-5)	Continue to require ESC Plans for developments that meet or exceed the threshold indicated in SRC Chapter 75. Conduct ESC Plan reviews and issue construction permits that require projects to have a site-specific ESC Plan that is maintained on site, reviewed, updated when needed, and made available to the City or DEQ upon request. Continue to coordinate with the City's 1200-CA Permit for City construction projects subject to its requirements. Develop educational materials that guide small construction site managers in developing a simplified ESC Plan. Develop an educational "do/do not" fact sheet that is focused on erosion control techniques for single family construction sites. Provide educational materials to construction applicants. Reference Documents: The City's ESC Plan Review Procedures are included in the SWMP Document Library.	Post the City's ESC Plan Review Procedures in the SWMP Document Library.			Completed: Document was posted to the stormwater report webpage in October 2022.
		Perform ESC Plan reviews and issue construction permits.	Number of erosion control plans reviewed, and permits issued.		Reviewed and issued: 169 Reviews, 108 permits issued, 374 SF permits with Erosion control issued.
		Ensure requirements for 1200-CA compliance are incorporated into City construction plans, specifications, and contract documents.	Status of renewal of the City's 1200-CA permit		Issued: The 1200-CA general permit was issued August 11, 2022, and became effective September 15, 2022. The permit is set to expire on September 14, 2027.
		Develop ESC Plan educational resource webpage.	Status of developing educational resource webpage.		Scheduled: Staff suggested adding information to the Erosion Control and Stormwater Management Summit page including links to standard erosion control details. Coordination meeting with identified staff is scheduled for November 2024.
EC-3. Erosion Control Inspections (Previously CON1-3)	Continue to inspect construction sites in accordance with the City's Construction Site Inspection procedures. Site inspections include onsite meetings during pre-construction to highlight the importance of erosion prevention and proper BMP selection, installation, maintenance, and modification. Inspections during construction include evaluating onsite BMPs, checking onsite documentation and documenting potential erosion prevention or sediment/pollution control concerns. When concerns are noted, the City will follow escalating enforcement procedures. Enforcement begins with education and voluntary compliance and then follows the steps outlined in the City's Erosion Control Enforcement procedures. Reference Documents: Construction Site Inspection procedures and Erosion Control Enforcement procedures	Maintain inventory of permitted construction sites with contact information, project size, date of approved plan, inspections, and complaints	Number of preconstruction conferences that discuss erosion prevention and sediment control	✓ TSS ✓ Mercury	Number of preconstruction conferences: 755
		Make erosion prevention and sediment control key agenda items at all preconstruction conferences.	Number of erosion control inspections performed		Number of inspections: 5,199
		Include inspection of all site erosion prevention and sediment control measures as part of City projects.	Number of enforcement actions and the outcome of the actions		Number of actions (including noncompliance, onsite correction, and stop work orders): 110 See attachment Erosion Control Enforcement Actions

		Conduct construction site inspections in accordance with the City's documented Construction Site Inspection procedures.	Track number of 1200- CA inspections		Number of 1200-CA inspections: 119										
		Conduct enforcement in accordance with the City's documented Erosion Control Enforcement procedures.			Number of enforcement Actions: 110										
		Ensure the escalating enforcement procedure meets new permit requirements by Nov. 1, 2023.	Escalating enforcement procedures are documented and submitted by Nov 1, 2023, if needed.		Completed: The escalating enforcement procedures were submitted with the FY 2022-23 annual report submitted by November 1, 2023.										
EC-4. Training for Construction Site Operators (Previously CON 1-2)	The City's Public Works Department leads efforts to train private contractors about stormwater pollution at construction sites, with an emphasis on prevention and control BMPs. Notices are provided to construction site operators concerning where education and training to meet ESC requirements can be obtained.	Provide annual erosion control training for private contractors.	Number of training programs conducted, and number of contractors trained	<input checked="" type="checkbox"/> TSS <input checked="" type="checkbox"/> Mercury	Provided: The Erosion Control & Stormwater Management Summit took place virtually via Zoom on January 23, 2024; 165 people attended and 129 people took the survey and indicated their role(s) with their company. The audience breakdown follows: <table style="margin-left: 20px;"> <tr> <td>Construction Inspector</td> <td style="text-align: right;">24</td> </tr> <tr> <td>Engineer</td> <td style="text-align: right;">63</td> </tr> <tr> <td>Municipal Operations Staff</td> <td style="text-align: right;">24</td> </tr> <tr> <td>Regulatory Staff</td> <td style="text-align: right;">17</td> </tr> <tr> <td>Landscape Professional</td> <td style="text-align: right;">4</td> </tr> </table>	Construction Inspector	24	Engineer	63	Municipal Operations Staff	24	Regulatory Staff	17	Landscape Professional	4
Construction Inspector	24														
Engineer	63														
Municipal Operations Staff	24														
Regulatory Staff	17														
Landscape Professional	4														

Table 6: Post-Construction Stormwater Management BMPs

BMP Name	BMP Description	Measurable Goals	Annual Tracking Measures	TMDL Pollutants Addressed	FY 2023-24 Activity
PC-1. Post Construction Design Standards (Previously RC 3-1, RC 3-2, RC 9-2)	Review, update, and adopt revisions to SRC 71 and the Stormwater Management Design Standards to address NPDES MS4 Permit requirements. The revisions should adjust the large project threshold from 10,000 - 5,000 SF of impervious surface and identify the City's infiltration requirement as a Numeric Stormwater Retention Requirement. Review alternative stormwater mitigation options and consider incorporating a water quality benefit offset program in the updated standards for sites that cannot meet the NSRR or equivalent water quality standards. Review and update stormwater facility maintenance criteria, maintenance standards, easement and access requirements for private facilities, and submittal information for each type of stormwater management facility. The update should also incorporate the SRC requirements for peak flow matching for four storm events and improve clarity around infiltration testing requirements and determining infiltration feasibility. Reference Documents: Stormwater Management Design Standards	Update SRC Chapter 71 by November 1, 2024.	Status on updating SRC Chapter 71	✓ TSS ✓ Bacteria ✓ Mercury	Status: On July 8, 2024, Salem City Council conducted First Reading of the ordinance to update SRC Chapter 70 (Utilities) and SRC Chapter 71 (Stormwater). The Public Hearing was conducted on August 26, 2024. Provided no issues, City Council will conduct Second Reading on September 23, 2024. The updated ordinance will become effective November 1, 2024.
	Review and update the Stormwater Management Design Standards by November 1, 2024.	Updates to the Stormwater Management Design Standards	Update: Work to update the Public Works Design Standards for stormwater has been ongoing since early 2024. The revised administrative rule is anticipated to be issued for public review and comments in September and finalized in November 2024.		
PC-2. LID/GSI Strategy (New BMP)	Conduct an evaluation of the City's current Stormwater Management Design Standards to document the City's existing strategy to prioritize LID strategies in new development and redevelopment and GSI approaches to stormwater management. Identify recommended modifications to the SRC or Stormwater Design Management Standards to improve the City's strategy. Prepare a documentation memorandum to include in the 2023 Annual Report and post the documentation in the SWMP Documents Library. Reference Documents: LID/GSI Prioritization Strategy Document	Prepare LID/GSI Prioritization Strategy document, submit with November 2023 Annual Report, and post to the SWMP Document Library.	Status on developing LID/GSI Prioritization Strategy document	✓ TSS ✓ Bacteria ✓ Mercury ✓ Temperature	Completed: The City prepared the LID/GSI strategy and submitted it to DEQ with the annual report for FY 2022-23 by the November 1, 2023, deadline.
PC-3. Development Review for Stormwater (Previously RC 3-3, RC 3-4)	The City continues to review all residential, commercial, and industrial plans submitted for compliance with the City's Stormwater Management Design Standards. Public Works staff conducts inspections of completed stormwater facilities prior to the City's acceptance of those projects and project closeout to ensure work was done in accordance with approved plans. Staff continues to maintain a database of plans reviewed and final inspections conducted. Following updates to the post construction design standards (PC-1), review and update (if necessary) the stormwater submittal requirements checklist for land use and design submittals, outlining what content and supporting calculations are required at each level of submittal. The checklist guides applicants in providing the correct information, so that the City can evaluate the technical feasibility and site constraints related to onsite management of stormwater runoff. Following updates to the post construction design standards (PC-1), review and update (if necessary) the internal SOP for stormwater plan review that guides the review and approval of structural stormwater control plans.	Review and update (if necessary) the stormwater submittal requirements checklist following updates to the post-construction design standards.	Status of stormwater submittal requirements checklist	✓ TSS ✓ Bacteria ✓ Mercury ✓ Temperature	In progress: A stormwater submittal requirements checklist has been drafted by the City's stormwater consultant, OTAK, and discussed with staff. Final edits will be made after the stormwater standards and code sections have been drafted.

	Reference Documents: Stormwater submittal requirements checklist and Internal Stormwater Plan Review SOP				
		Review and update (if necessary) the internal stormwater plan review SOP following updates to the post-construction design standards.	Status of internal stormwater plan review SOP		Planned: The internal stormwater plan review SOP will be updated after the stormwater standards and code sections have been updated.
		Review all residential, commercial, and industrial plans submitted for City issued permits for compliance with the Stormwater Management Design Standards and associated SRC provisions.	Number of plans reviewed, and permits issued for compliance with the Public Works Design Standards		Plans reviewed and permits issued: 169 Reviewed, 108 permits issued, 374 SF permits with Erosion control issued.
		Review all Willamette Greenway Permits for compliance with the Stormwater Management Design Standards and associated SRC provisions.	Number of plans reviewed for projects requiring Willamette Greenway Permits.		Plans reviewed: One plan for Willamette Greenway permit was reviewed: 2200 Minto Island Road S.
		Conduct inspections once construction is completed to ensure work was done in accordance with approved plans.	Number of final inspections		Number of final inspections: 537

Table 7: Municipal Operations and Maintenance BMPs

BMP Name	BMP Description	Measurable Goals	Annual Tracking Measures	TMDL Pollutants Addressed	FY 2023-24 Activity
OM-1. Asset Management and Systemwide Mapping (Previously RC1-3, RC 7-1, RC 7-2)	Continue to update the Geographic Information System (GIS) database(s) so that the City’s MS4 system maps, including open channels and piped systems are accurate, up to date, and can be relied upon for stormwater planning, preliminary project design, and program management. The GIS database contains information on the stormwater conveyance system, including piped systems, ditches, structural controls (public and private), and capital improvement projects.	Continue to perform routine maintenance and updates to the GIS database(s) annually. This includes the addition of new public and private BMP installations and drainage areas.	Record maintenance/updates made to the GIS database(s)		<p>Migrated and updated: The City implemented CityWorks asset management system and migrated stormwater GIS data to this system. The city continued to maintain and update the GIS data, including adding or editing 369 Water Quality features and 1 restoration site.</p> <p>Updated: Updates were made to the creeks layer based on the latest aerial imagery and plans that the City receives. 22 edits were made to the streams or creeks layer, 21 edits to the ditch layer, and 16 edits to network flow.</p>
	Continue to track O&M activities in the Hansen IMS database. The database should reflect completion of any capital improvement projects, the addition of new stormwater facilities, and the refinement of data for the existing system.	Continue to review and refine the database of maps and waterways.	Track completion of additional ground truthing activities and waterways map updates		
OM-2. Public Stormwater Facility Inspection and Maintenance (Previously RC 4-8, RC 4-9)	Continue to inventory all public stormwater facilities when constructed and map them in accordance with BMP OM-1. If possible, link as-built and O&M plans to the stormwater management facility inventory.	Develop a stormwater management facility inspection schedule in 2023.	Status of stormwater management facility inspection schedule	✓ TSS ✓ Bacteria ✓ Mercury ✓ Temperature	<p>Developed: The inspections schedule consists of four city quadrants with one quadrant to be inspected per year. The 5th permit year is designated for newly built or discovered facilities; each FY starts with PSFA inspections then moves to quadrant goals. Seasonal staff inspects Community Rating System earthen detention basins before October every year.</p> <p>Digital Inventory number: 2,089 public stormwater management facilities are currently noted in the digital inventory, which is 220 than the previous reporting term.</p>
	Develop a stormwater management facility inspection schedule and conduct identified inspections of public stormwater management facilities (water quality, detention, and green infrastructure facilities), with the goal of inspecting 100% of public stormwater management facilities within the permit cycle. Identify maintenance needs and issue maintenance work orders for public facilities.	Add all newly constructed stormwater management facilities to the digital inventory when they come into public ownership and maintenance responsibility.	Number of public stormwater management facilities in the digital inventory		

	Continue to perform routine maintenance for public stormwater management facilities to maintain performance standards. Perform actions to address issues identified during facility inspections.	Inspect 100% of public stormwater management facilities within the permit cycle	Percent of stormwater management facility inspections per year		Percent inspected: 54 percent of public facilities were inspected in reporting year 23/24.
		Generate work orders based on inspections and track progress toward completing work orders.	Number of generated and completed maintenance work orders for public facilities		In progress: In the middle of the reporting year the City changed asset management systems and the numbers were recorded slightly differently based on how the new software tracks data. Every effort was made to keep information as similar as possible, and more adjustments will be made for next reporting year to improve how data is tracked for maintenance. For FY 2023-24 there were 1,000 work orders generated, 107 for pruning, 342 for general field, 307 for weeding, 49 for mowing, 61 for vegetation management, 114 for inlet cleaning, and 20 for planting.
OM-3. Private Stormwater Facility Maintenance Program (Previously RC4-12)	Continue to inventory all privately owned stormwater facilities when constructed and map them in accordance with BMP OM-1. Include location, facility type, ownership, contact/ mailing information, and maintenance responsibility in inventory. If possible, link as-builts and O&M plans to the stormwater management facility inventory.	Add all newly constructed private stormwater management facilities to the digital inventory with links to maintenance agreements.	Number of private stormwater management facilities in the digital inventory.		Digital Inventory number: 3,774 private stormwater management facilities are in the digital inventory
	Continue to require maintenance agreements for newly constructed private stormwater management facilities.	Update maintenance education handout for private owners.	Status of maintenance education handout.		In progress: Post-construction maintenance standards are currently being updated; outreach/education facility handouts have been drafted.
	Update maintenance education handout that outlines ownership and maintenance responsibilities for owners of private stormwater control facilities.				
	Mail maintenance reminder letters with education handout to private facility owners with request to confirm maintenance inspections and actions (voluntary compliance).	Mail annual maintenance reminders to inventoried private facility owners.	Number of maintenance reminder letters sent.		In progress: None currently. Letters are being drafted and are scheduled to be sent in FY 2024-25.
	Conduct inspections of private stormwater management facilities according to the follow-up inspection schedule. Identify maintenance needs and send follow-up letters to private owners to document needed maintenance actions.	Inspect 100% of inventoried private stormwater management facilities during the permit term.	Percent of private facility inspections conducted per year and in relation to total.	<ul style="list-style-type: none"> ✓ TSS ✓ Bacteria ✓ Mercury ✓ Temperature 	Percent inspected: 58 percent of all inventoried private stormwater facilities were inspected in FY 2023-24 (2,205 of 3,774 facilities) Due to data asset management system change and duplicate annual inspections based on the inspection schedule, an appropriate method to determine the number of annual inspections per the total number of facilities is currently being developed by technical staff.

BMP Name	BMP Description	Measurable Goals	Annual Tracking Measures	TMDL Pollutants Addressed	FY 2023-24 Activity
OM-4. Conveyance System Inspection and Cleaning (Previously RC 4-6, RC 4-10, RC 4-11)	<p>Maintenance activities associated with the stormwater conveyance system and components include regular TV inspection, cleaning of storm drains and catch basins, and ditch maintenance. Inspections are focused on areas with historical problems and high potential for debris. Maintenance is performed to collect and remove sediment, and pollutants before they can travel downstream.</p>	<p>Inspect 120,000 LF of stormwater conveyance pipe annually to identify maintenance and repair needs.</p>	<p>Length of conveyance system inspected.</p>	<p>✓ TSS ✓ Bacteria ✓ Mercury</p>	<p>Inspected: 95,079 feet of conveyance system of the 120,000 LF due to staff shortages and being unable to have both TV trucks operational.</p>
	<p>Stormwater staff conduct routine cleaning and TV inspection of the public storm conveyance system on a schedule developed during the previous permit term.</p>	<p>Clean a minimum of 300,000 LF of stormwater conveyance pipe annually.</p>	<p>Length of conveyance system cleaned.</p>		<p>Cleaned: 102,210 feet of the 300,000 LF of pipe this fiscal year due to equipment failure and staff shortage.</p>
	<p>Based on data collected during the previous permit term, the City plans to inspect 50% of catch basins per year, in a rotating schedule, based on geography. Catch basins will be cleaned to remove sediment and debris when inspections identify a 30% sediment accumulation level.</p>	<p>Inspect 50% of catch basins annually.</p>	<p>Number of catch basins inspected.</p>		<p>Number inspected: 2,243 of the 17,476 catch basins inspected. This equals 25.7 percent of the annual goal. This goal was not met due to reduction of Parks staff assistance in the winter months.</p>
	<p>Ditch maintenance is performed by Stormwater Services to assure adequate conveyance and includes three primary activities:</p> <ol style="list-style-type: none"> Roadside Ditch Cleaning: consists of removal of sediment in the bottom of roadside ditches only as needed for proper conveyance, with limited vegetation disturbance and the use of straw wattles to reduce sedimentation and erosion within the ditch. Roadside Ditch Mowing: maintains vegetation for improved conveyance. Drainage Ditch Mowing: typically conducted by Adults in Custody (AIC) crews using handheld equipment. Vegetation cutting facilitates conveyance and reduces the risk of potential fires in summer months. 	<p>Clean any catch basin that meets a 30 percent sediment accumulation threshold during the inspection.</p>	<p>Number of catch basins cleaned, and amount of sediment removed.</p>		<p>Number inspected and amount cleaned: 536 catch basins cleaned, and 97.9 cubic yards of sediment removed.</p>
		<p>Regularly inspect and maintain 100% of City ditches using appropriate water quality BMPs.</p>	<p>Length of ditch maintenance performed (cleaning and mowing) and sediment removed.</p>		<p>Length of ditch cleaned, and amount of sediment removed: 100% of roadside ditches was inspected with the following outcomes: 1. 49,209 ft. of roadside ditch was cleaned (about 47% of ditch totals), 2. 116,317 ft. of ditches were mowed, and 3. 638 yards of sediment was removed. All ditches are mowed at least once and inspected during that process. Note: as new development happens, ditches are being piped, and a reduction of footage will decrease over time.</p>

OM-5. Street Sweeping and Debris Control (Previously RC4-1, ILL3-5)	<p>Conduct sweeping in conjunction with the existing street sweeping schedule (see measurable goals). Maintain a daily log of routes swept and an annual record of the amount of material collected. The information that is collected assists staff in making recommendations for modified methods, schedules, and for annual reporting and overall program evaluation.</p> <p>Review and update the protocols for the City's stormwater waste processing facility (decant facility) to include expanded pollution prevention and good housekeeping strategies. Incorporate the updated protocols in the Operations Pollution Prevention Plan (OPPP) (OM-8).</p> <p>Continue to support the annual Fall Leaf Haul.</p> <p>City event agreements have litter control requirements and a clause to allow City to perform clean-up with cost reimbursement from the event operator.</p> <p>Reference Documents: The stormwater waste processing material disposal protocols will be included in the Operations Pollution Prevention Plan [OPPP] (OM-8)</p>	Review street sweeping program annually for effectiveness and any necessary revisions to sweeping schedules.	Provide information on changes.	<ul style="list-style-type: none"> ✓ TSS ✓ Bacteria ✓ Mercury 	<p>Update: As of September 2024, this group is fully staffed with 3 night and 3-day time Sweeper Operators. Sweeping frequencies for all Salem roadways including arterial, collector, and residential streets have been increased. Boundary revisions have been made to residential routes so they are more manageable in size and sweeping miles, and that they better coordinate with garbage days occurring. The goal is to reflect these changes on the sweeping website as soon as possible.</p> <p>The fleet of sweepers has increased from 6 to 8 available sweepers including 2 in Asphalt Maintenance. This section is able to assist during peak leaf season as well as sanding rock recovery after snow and ice events, resulting in safer streets in a shorter amount of time as well as keeping debris from entering our stormwater system.</p> <p>Swept: 22,481 curb miles swept for FY 2023-24. This is an increase from FY 2022-23 and a result of being fully staffed.</p>
		Continue sweeping City streets on a four-zone schedule, sweeping the heaviest zone 13 times per year and the lightest zone 6 times per year.	Number of curb-miles of streets swept.		<p>On-going: City-owned parking lots continue to be swept as needed or requested. This includes the Public Works Shops complex, which is swept monthly (12x year), Willow Lake Treatment Plant complex, which is swept every other month (6x year), and the Waste Processing Facility (new addition for FY 2023-24), which is swept daily at the end of each day shift.</p>
		Continue sweeping City-owned parking lots as needed. (Formerly RC 4-1)			<p>Status: Currently has not been updated.</p>
		Update waste processing facility disposal protocols and include in OPPP.	Status of the update to waste disposal protocols.		<p>Leaf Haul date: December 9, 2023.</p> <p>Amounts: 165 vehicles brought 200 cubic yards.</p> <p>For FY 2023-24, the event was reduced from two days to one. This decision was made based on leaf amounts tracked since 2001 and attendance tracked since 2020.</p> <p>Upcoming program change for future years: Since 2020 there has been a significant downward trend in people using the service. In 2020 336 vehicles brought 450 cubic yards of leaves to Brown's Island Landfill (down from 650 cubic yards in 2019). By 2022 numbers had dropped to 186 vehicles bringing 205 cubic yards. Last year, 165 vehicles brought 200 cubic yards. Therefore, the decision has been made to discontinue the Fall Leaf Haul in 2025; 2024 will be the last year.</p>
		Continue to support the Fall Leaf Haul effort.	Fall Leaf Haul dates and collection amounts.		

OM-6. Winter Road Maintenance (Previously RC4-2)	Both sanding and de-icing chemicals are used to treat roadways for ice and snow. Continue to perform de-icing operations in a way that minimizes stormwater pollution. Conduct annual inspections and training to ensure proper operation of the de-icing chemical storage facility. Utilize the expanded covered storage area for de-icing material storage. Sweep and dispose of sand material as soon as possible following the return to safe driving conditions. When possible, collect and reuse sand for landfill "daily cover" or other appropriate uses Use GIS-based tracking of winter road maintenance actions. Develop a SOP for the City's Winter Road Maintenance Strategy to document material selection, storage, proper application (timing and rates), collection, and reuse opportunities. Reference Documents: Winter Road Maintenance Strategy	Continue current de-icing operations to prevent stormwater pollution.	Dates of annual inspections and training related to de-icing.		Training and Equipment Inspection Date: Occurred on November 15, 2023. Training included a PowerPoint presentation on safe snowplow operation and defensive driving techniques. Hands-on training included set up and tear down procedures for equipment and chain and preliminary staff inspection of snow and ice equipment and chain tally. After inspection the equipment was submitted to fleet for follow up inspection and correction of all issues identified by staff or the fleet technicians.
		Continue to research potential cost-effective reuse opportunities for deicing sand materials.	De-icing quantities applied annually including number of events and general locations.	✓ TSS ✓ Mercury	Materials Applied: During the winter of FY 2023-24 the City experienced 3 unique events, which totaled 9 days of winter treatment, during which staff applied approximately 5,444 gallons of Magnesium Chloride de-icer, and 984 yards of sanding rock (82 loads x 12 yards per load). Application of materials was along prescribed routes, which are reviewed and updated annually, and can be found by navigating to the website below: https://saalem.maps.arcgis.com/apps/instant/interactivelegend/index.html?appid=37ca1060b106460f9cb4afed1a67a85b
OM-7. Integrated Pest Management Procedures (Previously RC 4-5)	The City will continue to implement a program for careful monitoring and management of pesticides, herbicides, and fertilizers. This includes practices for proper handling and storing of chemicals. Over the permit term, staff will review and refine the City's Integrated Pest Management (IPM) Plan and create a Policy and associated Operational Plan.	Create and adopt citywide IPM Policy by June 2023.	Progress on adoption of policy.	✓ Bacteria	Completed: The Integrated Pest Management Policy (APP 2.23) became effective September 1, 2023.
		Once IPM Policy is adopted, update and implement the Operational Plan by December 2025.	Progress on updating and implementing the Operational Plan.		In Progress: The Integrated Pest Management Committee has been stood up with representatives from each group in the City that would use IPM the most. A coordinator is in the progress of being selected and that person will begin guiding the group in the creation of the Operational Plan.
		Conduct routine inspections of storage facilities for proper storage of materials and chemicals.	Number of inspections of chemical storage facilities.		Quarterly Inspections: City buildings are inspected quarterly per OR OSHA guidelines. Chemical facility and storage inspections include the following components: 1. Chemical products properly used, stored, labeled, and disposed of in accordance with established policy. 2. Facility has identified OSHA Subpart 2 Hazardous Chemicals. 3. Each chemical is accompanied by a Safety Data Sheet. 4. Flammable materials are not in proximity to any potential ignition sources.

OM-8. Pollution Prevention for Operations (Previously ILL1-4)	<p>The City's OPPP provides strategies to reduce the impact of stormwater runoff from the City's municipal properties that store and manage vehicles, materials, and waste. The plan needs to be expanded to include additional properties to incorporate SOPs for stormwater pollution prevention during municipal field operations.</p>	<p>Expand and update the Operations Pollution Prevention Plan (OPPP).</p>	<p>Updates/revisions to the OPPP.</p>	<ul style="list-style-type: none"> ✓ TSS ✓ Bacteria ✓ Mercury 	<p>Reviewed and updated: Two documents have been reviewed and updated to be incorporated into the OPPP. Many Public Works procedures and policies have been reviewed and updated as part of the American Public Works Association reaccreditation process. Once the APWA process is finalized in September 2024, the procedures will be reviewed, and updates will be incorporated into the OPPP. The update is anticipated to be completed by end of FY 2024-25.</p>
	<p>Expand the OPPP to include:</p> <ul style="list-style-type: none"> • Updated list of facilities (properties) and activities where the pollution prevention strategies apply. • Guidelines for pesticide, herbicide, and fertilizers (in conjunction with OM-7). • Strategies for campsite clean-up, including trash disposal and stormwater pollution prevention during pressure washing • Pollution prevention strategies during bridge cleaning and maintenance activities. • Expanded pollution prevention and good housekeeping strategies that incorporate new technologies, and industry best practices. <p>In conjunction with EO-1, provide training to municipal staff on the updated OPPP. Consider extending the pollution prevention training opportunity to staff from franchise utilities and other agencies that perform field work in the City.</p> <p>Reference Documents: Operations Pollution Prevention Plan.</p>	<p>Provide at least one training per year for municipal staff on the updated OPPP.</p>	<p>Number of trainings provided and number of attendees.</p>		<p>To be scheduled: Once the OPPP is updated, trainings not already identified in the training matrix (EO-1) will be implemented.</p>

Table 8: Industrial and Commercial Facilities BMPs

BMP Name	BMP Description	Measurable Goals	Annual Tracking Measures	TMDL Pollutants Addressed	FY 2023-24 Activity
IC-1 Industrial and Commercial Strategy (Previously IND1-1, IND1-2, IND1-3, IND1-4)	The Industrial/Commercial Facilities strategy has been updated as part of this SWMP update. The strategy includes a revised process to review new and existing businesses to identify those with increased stormwater pollution potential. The strategy includes procedures for site inspections, documentation, site operator education, and follow-up processes. Conduct reviews to identify facilities that could be subject to the 1200-Z industrial stormwater general permit and other facilities that have the potential to contribute a significant pollutant load to the MS4. Notify facility owners and DEQ of 1200-Z permit potential. Maintain a database of industrial and commercial facilities with the potential for increased stormwater pollution based on the activities at the specific facility. Reference Documents: Industrial/Commercial Facilities Strategy.	Update Industrial/Commercial Facilities strategy with revised facility screening strategy, inspection processes, and documentation procedures by November 1, 2023.	Status of updated Industrial/Commercial Facilities Strategy.	✓ TSS ✓ Mercury	Updated and approved: The Industrial/Commercial Facilities Stormwater program document was submitted to DEQ with the 2022-2023 annual report. Based on input from DEQ the document was updated and resubmitted. Salem received notice from DEQ in February 2024 that the document had been reviewed and approved for adoption and implementation.
	Develop database of industrial and commercial facilities with the potential for increased stormwater pollution.	Number of facilities referred for 1200-Z permits.	Number referred: Two facilities were referred to DEQ for a 1200-Z permit.		
IC-2. Industrial and Commercial Site Inspections (Previously IND1-1, IND1-2)	Conduct inspections of high priority businesses identified through the industrial/commercial facility screening program. During site inspections, review onsite stormwater systems, pollution prevention measures, material transport and storage, and waste disposal. Document facility inspections using the procedures in the Industrial/Commercial Facilities Strategy. Meet with site operators to discuss findings from the inspections, provide site operator education, require corrective actions (if needed) and schedule follow-up inspections (if needed) to review corrections. Reference Documents: Industrial/Commercial Facilities Strategy.	Inspect stormwater systems during inspections of City permitted wastewater users.	Number of industrial/commercial stormwater inspections.		Number of SW inspections conducted: 53 Ongoing: Environmental Services continues to inspect area stormwater systems as part of facility inspections performed under the industrial pretreatment program. Inspection records are maintained in the Environmental Services database. Salem is not a permitting agent for DEQ's 1200-Z program but has developed a process (consistent with the MS4 permit) to notify DEQ when a site in Salem is undergoing development which may be subject to State permitting. Environmental Services notifies the facility owner or contact person by letter. Regional staff for the DEQ Western Region are contacted by email with a scanned copy of the letter that was sent to the facility.
		Document facility inspections, site operator meetings, and corrective actions.	Number of corrective actions identified through industrial and commercial site inspections.		Number of Corrective Actions: Five corrective actions resulted from Industrial/Commercial inspections.

Table 9: Stormwater Program Implementation BMPs

BMP Name	BMP Description	Measurable Goals	Annual Tracking Measures	TMDL Pollutants Addressed	FY 2023-24 Activity
SP-1. Intergovernmental Coordination (Previously RC1-6, RC1-8)	Work with Marion and Polk Counties and the City of Keizer (Salem/Keizer Area Planning Advisory Committee or SKAPAC) to coordinate stormwater management programs and activities within the greater Salem-Keizer urban growth boundary.	Continue participation with SKAPAC based on current group coordination level.	Report on updates to SKAPAC Agreement and other intergovernmental agreements (IGAs)		Number of Updates or agreements: No new agreements were processed during FY 2023-24.
	Continue to be an active member of the Oregon Association of Clean Water Agencies (ACWA) and share materials with other members to assist with stormwater program implementation.	Attend ACWA committee meetings and workshops as scheduled.	Document participation in ACWA committee meetings.	✓ TSS ✓ Bacteria ✓ Mercury ✓ Temperature	Participated: The Stormwater Quality Supervisor is the co-chair of the ACWA Stormwater Committee and attends all Stormwater Committee meetings as well as ACWA Board meetings and conferences. Other City staff attend ACWA Stormwater meetings based on relevance of topics presented. For FY 2023-24, 6 City staff attended the ACWA Stormwater Summit and 1 attended the ACWA Summer Conference.
SP-2. Retrofit Progress Report (New BMP)	Document projects from the City's 2014 Stormwater Retrofit Plan that have been completed since the report publication. Document additional structural stormwater projects that have incorporated elements to retrofit the stormwater system for increased water quality treatment. Calculate total drainage area with increased water quality treatment from retrofit projects. Identify new goals, tools, priorities, or potential projects. Prepare a written assessment of the City's retrofit progress and outcomes and submit to DEQ.	Complete Retrofit Progress Report by November 1, 2023.	Status of completing Retrofit Report.	✓ TSS ✓ Bacteria ✓ Mercury ✓ Temperature	Completed: The Retrofit Progress Report was submitted to DEQ as part of the annual stormwater report package in October 2023.
SP-3. Hydromodification Progress Report (New BMP)	Develop a Hydromodification Progress Report to document projects and actions from the City's Hydromodification Assessment Report that have been started or completed since the report publication. Identify new goals, tools, priorities, or potential projects to address hydromodification. Prepare a written assessment of the City's hydromodification progress and outcomes and submit to DEQ.	Complete Hydromodification Progress Report by November 1, 2023.	Status of completing Hydromodification Progress Report.	✓ TSS ✓ Bacteria ✓ Mercury ✓ Temperature	Completed: The Hydromodification Progress Report was submitted to DEQ as part of the annual stormwater report package in October 2023.
SP-4. Permit Renewal Package (New BMP)	NPDES MS4 permits extend over a 5-year period unless the permit is administratively extended by DEQ. Each permit builds off the work accomplished in the previous permit cycle as well as providing specific items to address. Prior to the permit expiration, the City develops a permit renewal application. The application includes each of the elements listed in permit Schedule B.4, including: <ul style="list-style-type: none"> • 303(d) evaluation • TMDL Pollutant Load Reduction Evaluation • Proposed TMDL Benchmarks • Proposed changes to the monitoring program • Documentation of service area expansions in 2025 • A fiscal evaluation in 2025 • Updated MS4 maps in 2025 	Develop and submit permit renewal application to DEQ by March 30, 2025 (or alternate date determined by DEQ).	Status of completing permit renewal application.		Planned: The Permit renewal package is planned to be submitted to DEQ by March 30, 2026. Please note the date error in the second and third cell of this row. The 2025 dates should read as 2026.

SP-5. Implement Stormwater CIP (Previously RC 1-7, RC 2-1, RC 2-2, RC 2-3)	<p>The Capital Improvement Plan (CIP) is a five-year forecast that identifies major (capital) projects requiring the use of public funds over and above routine annual operating expenses. A CIP creates, improves, replaces, repairs, or permanently adds to City assets including utility improvements.</p>	<p>Review, prioritize, and budget for identified capital improvement projects annually.</p>	<p>Confirm stormwater capital projects included in annual CIP budget.</p>	<ul style="list-style-type: none"> ✓ TSS ✓ Bacteria ✓ Mercury ✓ Temperature 	<ol style="list-style-type: none"> 1. Replace Railroad and McGilchrist St Culverts, \$4,000,000 2. Levee along West Fork Pringle Creek, \$380,000 3. Clark Creek at Ratliff Dr Culverts, \$3,038,880 4. Deerhaven Dr Culvert Replacement, \$4,000,000 5. Mountain View Dr Stormwater Improvements, \$650,000 6. Fisher Road Culvert Replacement, \$500,000 7. Center Street Storm Drain Replacement, \$1,696,700 8. Elkins Way Stormwater Improvements, \$140,000
	<p>Basin Plans identify integrated water quality capital improvement projects including on-site facilities, stream restoration projects, and other specific smaller scale improvements. In addition, the 2014 Retrofit Plan identified water quality projects in conjunction with scheduled capital improvement projects in the current Capital Improvement Program (CIP).</p> <p>The City will continue to implement stormwater projects (including stormwater conveyance, quantity, quality, and stream/habitat improvements) based on priorities established under the current CIP, the Retrofit Plan, and Basin Plans consistent with available funding. During implementation, the City will continue to acquire resource permitting and physical access/easements for public and private stormwater facilities.</p>	<p>Review, prioritize, and budget for identified capital improvement projects annually.</p>	<p>Number and description of completed capital improvement projects related to stormwater and water quality.</p>		<p>1. Norway St NE Stormwater CIPP: Rehabilitation of stormwater pipe under a railroad crossing.</p> <p>2. Mill Race Deck Replacement: Replacement of deteriorated timber deck on the Mill Race along Ferry Street SE in the vicinity of 14th Street SE and 15th Street SE.</p>

3 PROGRAM EXPENDITURES AND FUNDING SOURCES

Stormwater-related program costs in Salem were historically funded through wastewater rates comprised of a water consumption (flow) component and a fixed user charge. In December 2010, Salem City Council approved the adoption of a separate stormwater service charge or utility. Implementation of the stormwater utility was initiated on January 1, 2013, and completed over a period of four rate cycles.

The stormwater utility was developed to provide an equitable way of paying for Salem’s stormwater programs by more accurately and fairly linking the stormwater impacts of the ratepayer’s property to the rate paid by each ratepayer. The stormwater service charge is based on each property’s impervious surface and an assessment of stormwater programmatic costs that are shared equally among all ratepayers. Additionally, commercial, or industrial properties that take steps to reduce their impervious surface areas, or that have onsite facilities that reduce stormwater impacts, have an opportunity to reduce their stormwater service charge. There currently is no mechanism for residential ratepayers to reduce their stormwater service charge.

Table 10 provides a budget summary of the funds spent in the 2023-24 reporting year as well as the adopted budget for the next reporting year, Fiscal Year 2024-25.

Table 10. Stormwater Budgeting		
Operational Task/Result Area	FY 2024-25 Adopted Budget	FY 2023-24 Actuals
Chemical Handling and Disposal	132,320	114,516
Code Compliance - PW	151,350	128,034
Environmental Compliance for Outside Departments/Agencies	258,360	245,377
Environmental Monitoring	96,150	77,667
Floodplain Management and Regulatory Compliance	221,520	308,007
Flow Monitoring	257,706	607,721
Mapping and Data Management	487,826	533,947
Operational and Technology Transfers - Infrastructure	234,170	284,597
Public Works Dispatch	176,429	132,299
Storm Sewer Pipe Cleaning	627,170	585,134
Stormwater Construction	9,792,000	2,227,861
Stormwater Open Channel System Maintenance	3,065,760	2,636,722
Stormwater Pipe Inspection	1,182,610	926,044
Stormwater Pipe Maintenance	984,240	1,106,778
Stormwater Quality	3,993,540	3,066,029
Stormwater Quality Monitoring	218,180	190,583
Utility Billing and Customer Service	1,095,566	898,049
Stormwater Infrastructure Planning	1,167,597	672,298
Hazardous Materials/Emergency Management; Street Sweeping Services	1,743,130	1,461,780
Debt Service - Stormwater Utility	160,838	284,457
Total	26,046,462	16,487,902

4 ENFORCEMENT ACTIONS, INSPECTIONS, AND PUBLIC EDUCATION

4.1 Environmental Services-Related Inspections and Actions

Environmental Services staff responded to **428** water-quality-related incidences (IL-2) and staff **conducted 53 inspections** of industrial/commercial properties (IC-2) during the reporting period. **Six violations** were reported: one for a residence and four for industrial/commercial properties with one industrial property receiving two violations. Violations and actions taken related to these violations are shown in Table 11.

Name	Date	Violation	Action Taken	Discharge	SRC
Snyder's-Lance, Inc.	07-21-2023	Prohibited Discharge To The Storm Sewer	Notice of Violation	Improper Pumping	71.050
Transpacific Food Inc.	12-29-2023	Prohibited Discharge To The Storm Sewer	Citation	Out of Acid to Bring pH Down	71.050
Transpacific Food Inc.	04-23-2024	Illicit Discharge Violation	Citation	Pressure Washing Runoff	71.050
Residence	07-27-2023	Prohibited Discharge To The Storm Sewer	Warning	Grease	71.050
Budget Rent A Car	05-10-2024	Prohibited Discharge To The Storm Sewer	Warning	Commercial Car Washing	71.050
Enterprise Instant Oil Change	06-12-2024	Prohibited Discharge To The Storm Sewer	Warning	Washwater	71.050

The permit requests a list of entities referred to DEQ for possible 1200-Z NPDES general permit coverage based on permittee screening activities, a list of categories of facilities inspected, and an overview of the results of inspections of commercial and industrial facilities. Two industries were referred to DEQ for possible 1200-Z NPDES general permit coverage based on permittee screening activities this past fiscal year: Morokot Foods NW LLC and Transpacific Processing Inc.

Table 12 shows the permitted businesses, permit type and number, and effective date.

ID No	Name	Permit Type	Permit No	Effective	NAICS
9176	Baxters North America EAST	Wastewater	WD9176	5/2/2022	311111
4726	Baxters North America WEST	Wastewater	WD4726	1/1/2023	311991
557	Capitol Recycling and Disposal Inc - A Republic Services Company	Wastewater	WD557	1/1/2022	562111
5976	Ennis-Flint	Wastewater	WD5976	6/6/2022	325510
3469	ISA Corporation	Wastewater	WD3469	1/1/2022	339113
4758	Kerr by Ingredion	Wastewater	WD4758	1/1/2022	311930
9123	LRI Landfill	Wastewater	WD9123	1/1/2023	562212
9382	Morokot Foods NW LLC	Wastewater	WD9382	4/27/2023	311421
9072	Oregon Fruit Products LLC	Wastewater	WD9072	1/29/2021	311421

337	Oregon State Penitentiary	Wastewater	WD337	1/1/2022	922140
9028	Pacific Coast Producers	Wastewater	WD9028	1/1/2022	311421
5649	Packaging Corporation of America	Wastewater	WD5649	1/29/2021	322211
7082	Recology Organics - Aumsville	Wastewater	WD7082	1/29/2021	325314
9310	Recology Organics-North Plains	Wastewater	WD9310	1/14/2022	325314
6593	REsys Inc	Wastewater	WD6593	1/1/2023	333914
7635	Riverbend Landfill	Wastewater	WD7635	1/1/2023	562212
2258	Salem Health Patient Care Building A	Wastewater	WD2258	1/29/2021	622110
5498	Salem Health Regional Laboratory	Wastewater	WD5498	1/1/2023	621511
379	Scenic Fruit Company - Salem Facility	Wastewater	WD379	10/1/2022	311411
4057	Shinsegae Foods INC.	Wastewater	WD4057	1/1/2023	311991
3104	Snyder's-Lance, Inc.	Wastewater	WD3104	1/27/2023	311919
9354	Transpacific Processing Inc	Wastewater	WD9354	9/14/2022	311411
7577	Valley Landfills, Inc. - a Republic Services Company	Wastewater	WD7577	1/1/2023	562212
386	Ventura Foods LLC	Wastewater	WD386	1/1/2022	311225
1731	Yamasa Corporation	Wastewater	WD1731	1/1/2022	311941
8854	Yaquina Bay Fruit Processors LLC	Wastewater	WD8854	1/29/2021	311421
522	Capital Chrome & Precision Grinding Inc	ZDCM	ZD522	1/29/2021	332813
5251	Garmin AT Inc	ZDCM	ZD5251	1/1/2022	334511
Total Permits					28

4.2 Erosion Control-Related Inspections and Enforcement

Erosion control and 1200-CA Permit requirements are an integral part of all City-issued construction plans and specifications. The City of Salem continues to coordinate efforts with Department of Environmental Quality (DEQ) staff regarding 1200-C permitted sites. This reporting year, FY 2023-24, Public Works Inspectors conducted 5,199 erosion control-related inspections on 755 project sites and had 110 enforcement actions. See attachment Erosion Control Enforcement Actions (July 1, 2023 – June 30, 2024).

5 Monitoring

The City has submitted all monitoring data that has been collected throughout reporting year 2023-2024 electronically through the DEQ-approved Data Submission Template. Additionally, Attachment Summary of Water Quality Data includes a full summary and analysis of all monitoring data collected during reporting year 2023-24 for Schedule B of the permit.

A revised Surface Water and Stormwater Monitoring Plan was submitted to DEQ with the October 2022 annual report, and it was approved on January 4, 2023. The City made very minor edits to the approved 2022 Monitoring plan. These included edits to the titles of Table 3, 4, and 5 for accuracy (and updating them in the Table of Contents) and changing one of the residential sites for Stormwater & Structural BMP monitoring to a different location due to the original site being infeasible for sampling. Swapping sampling sites will ensure the City collects better data, and the modification allows the Monitoring program to remain compliant with permit conditions.

In the City's monitoring plan, section 4.2.4 addresses the pollutant parameter action levels that were developed to address Schedule A.1.b of the permit for complying with water quality standards established in OAR 340-041. The

City's two Quality Assurance Officers reviewed all data as they were received for any exceedances of the pollutant parameter action levels, and 11 exceedances occurred during reporting year 2023-24.

Bailey Jean-In and Bailey Jean-Out, Market-In, and CLK12 experienced the highest number of exceedances.

Bailey Jean-In and Bailey Jean-Out had multiple instances of elevated dissolved copper. Market-In recorded a couple ammonia exceedances, while CLK12 saw exceedances with total mercury, *E. coli*, and ammonia. Additionally, there was one ammonia exceedance at 22nd-In and one dissolved zinc exceedance at CLK1.

To address the dissolved copper exceedances at Bailey Jean-In/Out, a GIS analysis was conducted to identify contributing runoff areas. Research revealed that algaecides, fungicides, and pesticides are likely sources of copper in residential stormwater. Consequently, an outreach initiative to residents in the catchment area is being considered to help mitigate these issues. If the initiative moves forward, more information will be included in subsequent annual reports.

At Market-In, the catch basin directly upstream was found to contain a moderate amount of decaying organic matter. After vacuuming the catch basin, subsequent sampling indicated lower ammonia levels.

Exceedances in Clark Creek occurred only during storm events. Due to the heavily developed Clark Creek basin, first-flush stormwater events often contribute to exceedances. *E. coli* and total zinc exceedances were resampled and remained below the action level. In response to the total mercury exceedance, a pipe-shed reconnaissance upstream of CLK12 revealed an uncurbed neighborhood with gravel/dirt alongside roads. This potential contributor to total mercury was identified as accumulated dirt/debris being easily picked up by sheet flow and transported into the stormwater system.

Any potential illicit discharges detected through monitoring data or from calls to the City's 24-hour Dispatch Center were handled by Environmental Services staff as part of the IDDE program and are reported in that section of the annual report.

6 PLANNING, LAND USE CHANGES, AND DEVELOPMENT

The City of Salem Public Works Department Stormwater Management Design Standards (Design Standards) were revised in FY 2013-14 to reflect the post-construction requirements presented in the MS4 Permit. Before these updates were adopted via the City's relatively new administrative rule process, a new stand-alone stormwater chapter (SRC 71) was developed and approved. This new stormwater dedicated chapter was adopted by City Council in December 2013. SRC 71 and the updated Design Standards became effective on January 1, 2014. The Design Standards and SRC 71 are currently being revised to reflect new requirements of the 2021 MS4 permit. They will be finalized November 2024, and will be submitted to DEQ with the reporting year 2024-25 annual report by November 1, 2025.

Additional Code updates that occurred during the reporting period follow:

Code update:

Climate Mitigation for Large New Parking Lots and Allowing Single-Room Occupancy More Broadly SRC [806.035](#) (n).

- Description: The proposed code amendment will require climate-related mitigation when developing new parking lots that are more than one-half acre in size; allow existing parking lots citywide to be converted by a public agency to park and rides; and allow single-room occupancy housing in all residential, commercial, and mixed-use zones.
- [Status](#): Adopted, effective December 27, 2023

6.1 Planning

The City has started a multi-year project called Salem in Motion that will update the Salem Transportation System Plan (TSP) and address new State rules. The first phase of the project focuses on regional scenario planning, which is required by the State's Climate Friendly and Equitable Communities rules. The City is working with the City of Keizer and Marion County to explore how to create more sustainable transportation options for people in the region and reduce greenhouse gas emissions from transportation. During the second phase of Salem in Motion, the City will update Salem's TSP. This work will address a variety of existing and emerging challenges and priorities. Salem in Motion will build on the goals and policies in the updated Salem Area Comprehensive Plan and the transportation actions included in the Climate Action Plan. It will also address new State requirements for transportation and land use planning that resulted from the Climate-Friendly and Equitable Communities (CFEC) rulemaking project. More information can be found at <https://www.cityofsalem.net/salem-in-motion>. A document that shows how the City's planning efforts fit together can be found in "Your Guide to Planning for Our Future," available at <https://www.cityofsalem.net/government/shaping-salem-s-future/our-salem-planning-for-growth/our-salem-planning-guide>.

6.2 Land Use Changes

Between July 1, 2023, and June 30, 2024, petitioners-initiated annexations for two properties that were approved and three properties that are currently in review (Table 13).

Table 13: Land Use Changes Location and Description		Number of Acres
Approved		
572 HILE LANE NE		Approximately 0.78 acres
4815 AUBURN ROAD NE		Approximately 1.32 acres
Total approved		Approximately 2.1 acres
In Review		
2355 DAVIS ROAD S		Approximately 4 acres
2500 Michigan City Lane NW		Approximately 6.5 acres
5725 SKYLINE ROAD S		Approximately 1 acre
Total in review		Approximately 11.5 acres

6.3 New Development Activities

The City of Salem has continued to see a steady stream of new projects at all phases of development. Below is a list of projects and their status for Commercial/Industrial development (63), Multi-family/Mixed-use development (31), and subdivisions (16).

Table 14: Commercial/Industrial Development		
Location	Description	Status
1100 AIRPORT RD SE	Construction of a new stand-alone electrical room and the modification of two existing parking areas.	Building Permits Issued
2142 TURNER RD SE	Reconstruction of a building containing storage units after a fire.	Project Complete
681 REES HILL ROAD SE	A proposal to construct a pump station on property known as Rees Hill Park, which is south of Affinity Heights Subdivision.	Building Permits Issued

1595 CAPITOL ST NE	An application for development of a rehab clinic with various site improvements.	Land Use Complete
102 HRUBETZ RD SE	Modification of a previously approved decision to alter the off-street parking area and add a secondary driveway access to Pembroke Street SE.	Building Permits Issued
827 LANCASTER DR NE	An application for proposed site improvements adjacent to the former Sears building within the Willamette Town Center.	Project Complete
2410 FAIRGROUNDS RD NE	Phased development of a motor vehicle sales use and motor vehicle services use, with vehicle display and vehicle storage areas.	Building Permits Issued
1075 8TH ST NW	An application for development of a new vehicle use area for the existing Walker Middle School.	Building Permits Issued
3997 CARSON DR SE	Development of gas station and retail building with associated modifications on two properties.	Building Permits Issued
835 COMMERCIAL ST SE	Proposed new 31,814 square-foot, three-story, medical/office building with associated site improvements and off-street parking.	Building Permits Issued
3630 STATE ST	Development of a new quad addition to Roberts High School.	Project Complete
2410 TURNER RD SE	A Managed Temporary Village for 40 individuals for Church At The Park.	Building Permits Issued
3365 MARIETTA STREET SE	Development of a new 3 story building for childcare and offices.	Building Permits Issued
4500 MILL CREEK DR SE	Proposed development of a new gasoline service station, convenience store approximately 3,955 square feet in size, and car wash.	Building Permits Issued
1815 22ND ST SE	Proposed development of a new multi-tenant industrial park containing six buildings with a total floor area of approximately 84,000 square feet.	Building Permits Issued
3840-3950 MAINLINE DR NE	Proposed development of two new shell buildings.	Building Permit in Review
900 COURT ST NE	Oregon State Capitol Accessibility, Maintenance, and Safety (CAMS III) renovation project, including ADA accessibility, maintenance, and safety improvements.	Building Permits Issued
4660 RIDGE DR NE	Parking area expansion for the existing building, associated with warehousing and distribution use.	Land Use Complete
4870 TURNER RD SE	Site improvements for a food cart development, including indoor and outdoor seating, parking, and landscaping.	Land Use Complete
4710 MILL CREEK DRIVE SE	Proposed development of a new 479,000 square foot warehousing and distribution building.	Building Permit Issued
1921 TURNER ROAD SE	Addition on a canopy over an existing fueling station and minor associated improvements at the McNary Army Aviation facility.	Project Complete

2135 COMMERCIAL ST NE	Development of a new off-street parking area for an existing development site.	Project Complete
2475 25TH ST SE	An application for change of use to eating and drinking use and associated site improvements.	Project Complete
3985 LINDBURG RD SE	Proposed new 9,000 square-foot, two-story, office building with associated off-street parking and site improvements.	Building Permits Issued
3575 DEL WEBB AVE NE	Development of a new 10,640 square foot vocational trade school facility with associated site improvements.	Building Permits Issued
3501 PORTLAND ROAD NE	Paving of a new off-street parking area over an existing vacant portion of the CTEC property.	Building Permits Issued
155 COTTAGE STREET NE	Renovations at the Oregon State Executive Building including widening the access to an existing loading and solid waste service area.	Building Permits Issued
2190 25TH STREET SE	Development of two new industrial flex buildings approximately 45,864 and 50,704 square feet in size.	Building Permits In Review
4900 BLOCK OF INDIAN SCHOOL ROAD NE	Development of a new gravel storage yard for a heavy vehicle and trailer service and storage use.	Building Permits In Review
2373 KUEBLER ROAD S	Development of new paved pedestrian paths and accessory buildings at Sprague High School.	Building Permits Issued
1921 TURNER ROAD SE	Addition on a canopy over an existing fueling station and minor associated improvements at the McNary Army Aviation facility.	Project Complete
315 LANCASTER DRIVE SE	Expansion of an existing AutoZone.	Project Complete
2908 MARKET STREET NE	Redevelopment of a motor vehicle sales use, including removal of existing building, construction of a new 25,256 square-foot sales building, and new off-street parking and vehicle sales/display areas.	Land Use Complete
1920-1940 HYACINTH STREET NE	A consolidated application for development of a heavy vehicle and trailer storage lot.	Building Permits in Review
2195 HYACINTH STREET NE	Development of a new mixed-use building.	Land Use Complete
4900 Block of 27th Avenue SE	Development of a new mixed-use building site with retail, multifamily, office, and eating and drinking uses.	Land Use in Review
3225 STATE STREET	Development of a new off-street parking area to serve the Oregon Military Department's Anderson Readiness Center.	Building Permits Issued
3405 DEER PARK DRIVE SE	A building addition at the Oregon State Correctional Institution.	Building Permits Issued
1410 20TH STREET SE	Demolition of Building 2 at the City of Salem Shops Complex, development of a new vehicle storage area and pedestrian access.	Building Permits In Review
2200 MINTO ISLAND ROAD S	The project involves improvements to the existing Parking Lots #2 and #3 within Minto-Brown Island Park.	Building Permits Issued

1990 Gaia Street SE	Proposed building and storage area for concrete construction contracting use.	Building Permits Issued
4725 TURNER RD SE	Proposed warehousing and distribution use for Blue Box Storage and associated site improvements.	Building Permits In Review
1720 13TH STREET SE	New outpatient medical services building and associated site improvements.	Building Permits In Review
1205 20TH STREET SE	Expansion of the vehicle storage lot serving the Withnell Hyundai site.	Project Complete
2711 19TH STREET SE	Resurfacing of an existing parking area within a development complex.	Land Use In Review
4680 TURNER ROAD SE	New gas station, convenience store, and drive-through restaurant development.	Land Use In Review
730 MISSION STREET SE	New turf, fencing, lighting, and hardscape improvements to Willamette University baseball facilities.	Land Use in Review
4735 TURNER ROAD SE	A consolidated application for a new paved storage area for BlueBox Storage.	Land Use in Review
3310 PORTLAND ROAD NE	Proposed expansion of an existing manufacturing facility and vehicle use area.	Land Use in Review
3010 KETTLE COURT SE	A new 115-room hotel and 102-space parking area with outdoor amenity spaces and improvements	Land Use in Review
383 FARM CREDIT DRIVE SE	Proposed development of a two new hotels and development site improvements.	Land Use in Review
4500 MILL CREEK DRIVE SE	Proposed development of a new 98-room hotel and site improvements.	Land Use in Review
1815 MCGILCHRIST STREET SE	Development of new surfaced storage yard	Land Use in Review
2400 LANCASTER DRIVE NE	Development of pedestrian paths and new vehicle storage area for an existing outpatient and medical services and laboratories use	Building Permits Issued
1304 RURAL AVENUE SE	Construction of a one-story center building for outpatient medical services with a parking lot and associated landscaping.	Land Use in Review
1850 45TH AVENUE NE	Phased development of a new turf recreational field and new off-street parking area.	Land Use in Review
2290 COMMERCIAL STREET NE	Development of new additions to an existing building and associated site improvements for a Retail sales use.	Land Use in Review
325 LANCASTER DRIVE SE	Development of a new residential care facility and associated site improvements	Land Use in Review
2110 STRONG ROAD SE	Development of a new 8,000-square-foot retail building and site improvements.	Land Use in Review
2148 TURNER ROAD SE	Proposed development of a new office and storage warehouse building for a general contracting business.	Building permits in review
750 FRONT STREET NE	A proposed development for a new building addition, off-street parking area, and associated site improvements for an existing Outpatient Medical Services and Laboratories use.	Building Permits Issued

998 HAWTHORNE AVENUE NE	Remodel of the Salem-Keizer School District's Transportation Service Facilities including associated site improvements and the reconfiguration of the off-street parking and vehicle storage areas.	Building Permits Issued
4040 AUMSVILLE HIGHWAY SE	Proposed development of a new building and site improvements intended for a new evidence storage building.	Building Permits In Review
1845 BEACH AVENUE NE	Proposed development of a new building and site improvements for a Building and Ground Services and Construction Contracting use.	Building Permits In Review

Table 15: Multi-Family/Mixed-Use Development		
Location	Description	Status
5205 BATTLE CREEK RD SE	Proposed development of a 129-unit multiple family residential use with associated off-street parking, common open space, and site improvements.	Building Permits Issued
5775 COMMERCIAL STREET SE	Proposed development of a mixed-use building containing 71-dwelling units and 11,998 square feet of retail commercial floor area.	Building Permits Issued
1140 HOWARD ST SE	Proposed development of a five-unit multi-family building.	Project Complete
1230 HIGHLAND AVENUE NE	Proposed development of a 12-unit multiple family residential use.	Building Permits Issued
1074 37TH AV NE	Proposed development of a 24-unit multiple family residential use.	Building Permit in Review
3480 BLOSSOM DR NE	Proposed development of a 90-unit multiple family residential use.	Building Permits Issued
1525 JONMART AV SE	Proposed development of an eight-unit multiple family residential use.	Building Permits Issued
1341 WALLER ST SE	Proposed development of a 24-unit multiple family residential use.	Building Permits Issued
1035 COMMERCIAL STREET SE	Mixed-use building containing 45 residential units, including four work/live units, with dedicated office, storage, trash enclosure, and off-street parking area.	Building Permits Issued
1851 CORDON ROAD SE	Proposed development of a 396-unit multiple family apartment complex - Hawks Ridge Phase 3.	Land Use Complete
1900 BLOCK OF LINWOOD STREET NW	Proposed development of a new 67-unit multi-family residential use.	Building Permits Issued
3997 CARSON DRIVE SE	New mixed-use building containing a drive-through oil-change facility and three residential units.	Building Permits Issued
4125 MARKET STREET NE	Proposed development of a new two-story multi-family apartment building containing ten dwelling units.	Project Complete
4195 AUMSVILLE HIGHWAY SE	Proposed development of a 279-unit multiple family residential apartment complex.	Land Use Complete
5534 SKYLINE ROAD S	Proposed development of a 16-unit multiple family residential use.	Building Permit in Review

5080 MACLEAY ROAD SE	Proposed development of a 75-unit multiple family residential use.	Building Permit in Review
102 PINE STREET NE	18-unit multifamily building within the Willamette Greenway (Pine Street West).	Land Use Complete
0 FRONT STREET NE	18-unit multifamily building with off-street parking improvements (Pine Street East).	Land Use Complete
2710 BROADWAY STREET NE	Proposed development of a new four-story mixed use building approximately 15,400 square feet in size, containing ground floor commercial retail space and 22 dwelling units in the upper floors.	Land Use Complete
2916 ORCHARD HEIGHTS ROAD NW	Proposed development of a 186-unit multiple family residential use.	Land Use Complete
255 CORDON RD NE	East Park Apartments phase 2, including an additional four buildings containing 42 dwelling units.	Land Use Complete
572 HILE LANE NE SALEM	18-Unit Multifamily Apartment Structure and Parking Lot Expansion.	Land Use In Review
5871 LIBERTY ROAD S	A proposal for a new 135-unit multi-family housing development	Land Use In Review
415 MOYER LANE NW	New mixed-use development with commercial retail and 32 residential units.	Land Use In Review
1790 WALLACE ROAD NW	Development of new 19-unit apartment complex and associated parking facilities.	Land Use In Review
1105 FRONT STREET NE	Redevelopment of the former Truitt Brothers Cannery Site to include residential and commercial uses.	Land Use in Review
676 17TH STREET SE	A proposal for a new 12-unit multi-family housing development.	Land Use in Review
4120 FISHER ROAD NE	Proposed development of a new 60-unit multi-family residential development containing five residential buildings and associated open space and parking.	Land Use Complete
2345 BRUSH COLLEGE ROAD NW	A proposal for a new 26-unit multi-family housing development.	Land Use Complete
2561 CENTER STREET NE	Proposed development of a new 120-unit multi-family residential development containing nine residential buildings and a clubhouse.	Building permits in review
277 HIGH STREET NE	Proposed development of a new six-story building with ground floor live-work units and five stories of multiple-family residential units.	Building permits in review

Table 16: Subdivisions		
Location	Description	Status
4120 KURTH ST S	A six-lot residential subdivision of approximately 1.52 acres, with associated site improvements.	Final Plat in Review
1440 BOONE RD SE	A tentative phased subdivision plan to divide approximately 0.75 acre into nine lots ranging in size from 2,000 square feet to 11,300 square feet.	Land Use Complete

6600 Block Lone Oak Road SE	A tentative phased subdivision plan to divide approximately ten acres into 40 lots ranging in size from 6,800 square feet to 12,248 square feet.	Final Plat in Review
2100 BLOCK OF DOAKS FERRY RD NW	A six-lot subdivision for Titan Hill Estates in conjunction with a proposed multi-family development of 436 units for Titan Hill Apartments.	Land Use Complete
1355 MILDRED LN SE	A residential subdivision for Toney Estates to divide 5.19 acres into 23 lots ranging in size from approximately 4,785 square feet to 13,457 square feet.	Land Use Complete
5045 MACLEAY RD SE	A residential subdivision to divide approximately 4.1 acres into a total of 24 lots ranging in size from 1,500 square feet to 6,696 square feet in size.	Land Use Complete
900 Block of Creekside Drive SE	A residential subdivision to divide the approximately 4.9-acres into four lots ranging in size from approximately 9,000 square feet to 185,769 square feet in size.	Project Complete
4350 HEARTH ST NE	A phased residential subdivision plan to divide approximately 3.1 acres into 15 residential lots ranging in size from 4,072 square feet to 9,326 square feet.	Land Use Complete
5465 TURNER ROAD SE	A subdivision to divide approximately 390 acres of public zoned land into five lots ranging in size from approximately 15 acres to 246 acres.	Final Plat in Review
6600 BLOCK OF DEVON AVENUE SE	A residential subdivision to divide approximately 6.60 acres into 48 lots ranging in size from 4,000 square feet to 4,900 square feet.	Final Plat in Review
1800 PARK AVENUE NE	A residential subdivision to divide approximately 0.82 acres into six lots ranging in size from 4,006 square feet to 6,761 square feet.	Appealed
2441 EVERGREEN AVENUE NE	A residential subdivision to divide a lot into seven resulting lots	Land Use in Review
5831 WOODSIDE DRIVE SE	A residential subdivision to divide a lot into 23 resulting lots intended for townhouse development	Land Use in Review
4900 BLOCK OF 27TH AVE SE	A proposed residential 16-lot subdivision for Kuebler Village.	Land Use Complete
5012 HAYESVILLE DRIVE NE	Proposed phased residential subdivision tentative plan to divide approximately 21.55 acres into 100 lots with associated site improvements.	Land Use Complete
4500 BLOCK OF MILL CREEK DR SE	An industrial subdivision to divide approximately 10 acres into a total of five lots	Final Plat In Review

7. Additional Annual Report Requirements

In addition to the annual report that details activities conducted as outlined in the SWMP Document, the permit indicates additional deliverables and their due dates that shall be complied with. The following table shows those requirements, their status, and where the information is located.

Table 17: Additional Annual Report Requirements			
Section of Permit	Program Requirement	Status	Location
Schedule A.3.c.vii	IDDE- Tracking and Assessment	Ongoing	Provided with each annual report in IL as well as Section 4.
Schedule A.3.d.vii	Construction-Tracking and Assessment	Ongoing	Provided with each annual report in EC as well as tracked in Survey123 and Amanda databases
Schedule A.3.e	Post-Construction Site Runoff Program	Ongoing	Provided with each annual report in PC. Additionally, the LID/GI strategy was submitted with the fiscal year report 2022-23.
Schedule A.3.f.v.C	Winter Maintenance Information- Tracking and Reporting	Ongoing	Provided with each annual report in OM-5 and OM-6, the Winter Maintenance Strategy was submitted with the fiscal year 2022-23 report and can be found on the City's website
Schedule A.3.h.i	Hydromodification Assessment and Stormwater Retrofit Strategy Updates	Completed	Submitted with the fiscal year 2022-23 annual report.
Schedule D.3.b	Mercury Minimization Assessment	Completed	Submitted with the fiscal year 2021-22 annual report.

