TMDL Implementation Tracking Matrix: Stayton, Oregon
Compliance Years: 2023 - 2028

FINAL

Revised By RR/PGV/CLM
Date September 29, 2023

POLLUTANT *What pollutants does the TMDL address?*	SOURCE *What sources of this pollutant are under your jurisdiction?*	STRATEGY *What is being done, or what will you do to reduce and/or control pollution emanating from this source?*	HOW *Specifically, how will this be done?*	MEASURE *How will you demonstrate successful implementation or completion of this strategy?*	TIMELINE *When will the strategy begin or be completed?*	BENCHMARK *The goal to be met within the indicated timeline.*	STATUS/GOALS MET
All	Variety of Sources	1. Continue to look for property and financial resources for development of detention basins to manage peak flow runoff into irrigation canals and rivers.	a. Purchase property per Storm Drainage Master Plan to build new detention basins.	Purchase property.	Ongoing	Individual property acquisitions	The $3 Million Mill Creek Park Regional Stormwater Facility was designed and constructed from 2018 to 2019. The City is repaying a 20-year, $700,000 loan for the Mill Creek Park Regional Facility and does not have sufficient budget to acquire property for another detention facility at this time. The city is continuing to look for funding opportunities to acquire property for stormwater management. **2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
Temperature	Solar Radiation Input	1. Protect and promote healthy riparian areas.	a. Sustain land use code which requires riparian setbacks.	Track the number of development and redevelopment plans reviewed for conformance with riparian policy.	Ongoing	100% of development and redevelopment plans	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			b. Remove invasive plant species along the North Santiam River on City property to reduce competition with native plan species	Track types of plant species removed and implement photo point monitoring	Ongoing	Check site annually for invasive plant management needs and take photo of site.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			c. Coordinate with North Santiam Watershed Council (NSWC) on promoting revegetation of riparian areas.	Provide a PDF file of the latest NSWC Tree Planting Program brochure. Assess the effectiveness of conveying information with brochure at City Hall, including a qualitative evaluation summarizing the effectiveness of the methods of educating the public. This evaluation will be used to inform future stormwater education and outreach efforts to most effectively convey the educational material to the target audiences.	Implementation deadline is September 30, 2023 per the City's existing TMDL matrix.	Provide latest information pertaining to the NSWC Free Tree Planting Program via a brochure at City Hall.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
		2. Work with other agencies on watershed solutions .	a. Maintain active participation with ACWS and continue to participate with North Santiam Watershed Council (NSWC)	Track number of coordination meeting attended annually.	Ongoing	Attend three (3) meetings annually and meet with Soil Water Conservation District (SWCD) staff quarterly.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
Bacteria	Pet Waste	1. Reduce pet waste from reaching streams through storm water runoff.	a. Continue support and use of pet waste stations at City parks. Inventory existing stations and assess need for additional stations.	Monitor, provide support, and install pet waste stations as needed.	Ongoing	Report number of new pet waste stations and number of bags used.	The City's Parks Supervisor evaluates and inspects the pet waste stations on a weekly basis to determine if additional stations are necessary or existing stations need to be relocated. As of September 2023, the City has thirteen (13) pet waste station with at least one at each City park. **2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
	Municipal Sewage	2. Reduce municipal sewage from reaching streams through surface water and groundwater pathways.	a. Detect and repair leaking City-owned sewer lines, as resources allow.	Track percentage of City-owned sewer lines that are cleaned and inspected on an annual basis.	Ongoing	15% of lines cleaned annually.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**

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Mercury	Sediment	1. Reduce sediment from reaching Mill Creek, the North Santiam River, and the Willamette River through storm water and municipal activities.	a. Ensure sediment erosion control plans are provided for development and redevelopment plans.	Track percentage of sediment erosion control plan checks performed as part of plan review process.	Ongoing	100% of development and redevelopment plans.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			b. Remind developers of 1200-C Permit requirements in preconstruction meetings.	Track % of meetings wherein a 1200-C Permit reminder was provided.	Ongoing	100% of preconstruction meetings involved a 1200-C Permit reminder.	Erosion Sediment Control (ESC) Plans are required for all development within the City of Stayton. During the Land Use process for a Site Development, the City planner will request comments from the City engineer. Comments are placed in the Conditions of Approval for the development application. The City engineer informs the developer is a 1200-C Permit will be required for the project. Tracking for a 1200-C Permit is performed well before the pre-construction meeting and is tracked throughout the process. A Site Development Permit will not be issued until all items in the Conditions of Approval are met. Section 102.09 of the City of Stayton Design Standards outlines what the requirements are for a plan submittal for a Site Development Permit. **2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			c. Consider creating a system to document the performance of scheduled maintenance of post-construction stormwater controls as resources are available to do so.	Public works to propose asset management system.	Ongoing	Propose asset management system.	The City uses ArcGIS for inventory of the public stormwater system. The GIS database is updated annually as the City receives as-builts from construction projects. The City has created an excel spreadsheet to track the maintenance of private stormwater facilities. Each private facility is entered into a spreadsheet (Attachment 5) following construction and includes a link to the original operations and maintenance agreement. Inspections are scheduled annually beginning two (2) years after the final inspection post-construction. Letters are sent to the facility owner providing an assessment of the facility along with maintenance recommendations. Enforcement action is taken if a facility is found to have been altered or removed. **2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			d. Perform regular street sweeping of curbed streets.	Track percentage of streets swept and volume of material collected monthly.	Ongoing Implementation deadline is September 30, 2023 per the City's existing TMDL matrix.	Fall and Winter: At least two (2) times per month Spring: Two (2) times per month Summer: One (1) time per month Downtown: Four (4) times per month	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			e. Clean catch basins.	Track percentage of catch basins claned annually.	Ongoing Implementation deadline is September 30, 2023 per the City's existing TMDL matrix.	Clean on a three (3) to five (5) year cycle. Minimum of 20% to be cleaned annually.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			f. Clean storm lines.	Track percentage of City-owned storm lines that are cleaned on an annual basis.	Ongoing Implementation deadline is September 30, 2023 per the City's existing TMDL matrix.	Clean on a three (3) to five (5) year cycle. Minimum of 15% to be cleaned annually.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			g. Install pollution control manholes.	Track number of pollution control manholes installed on an annual basis.	Ongoing	Target one manhole per year.	The City continues to search for opportunities to install a pollution control manhole or require that a new development include a pollution control manhole. **2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**

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Mercury	Sediment	1. Reduce sediment from reaching Mill Creek, the North Santiam River, and the Willamette River through storm water and municipal activities.	i. Retrofit existing manholes with pollution control manholes; install pollution control manholes on new developments.	Track number of pollution control manholes installed on an annual basis.	Implementation deadline is September 30, 2023 per the City's existing TMDL matrix.	Target goal of one (1) pollution control manhole installation per year (or five (5)within 5-year cycle).	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			j. Ensure existing Designated Management Agencies (DMA)-owned or operated facilities obtain proper permit coverage.	Identify DMA-owned or operated facilities and report whether 1200-Z Permit coverage may be applicable and if the facility has received permit coverage.	Implementation deadline is September 30, 2023 per the City's existing TMDL matrix.	Review and confirm whether any City 1200-Z permits are required for City facilities.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			k. Ensure new Designated Management Agencies (DMA)-owned or operated facilities obtain proper permit coverage.	Document development applications for 1200-Z permit applicability reviews.	March 3, 2024	All developments reviewed for 1200-Z; Refer applicable developments to ODEQ permitting. City will not issue a Site Development Permit until approved 1200-Z permit is provided as part of application.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			l. Review existing municipal operation activities and identify opportunities to modify to reduce discharge of pollutants to protect water quality.	Provide review and list of operation activities that potentially discharge pollutants to water bodies.	March 3, 2024	Review operational activities and practices. Identify potential changes to operational activity to reduce pollutant discharge.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			m. Conduct municipal operation activities in a manner that reduces discharge of pollutants to protect water quality.	Provide summary of operational changes made to reduce pollutant discharge. Qualitatively evaluate successes and challenges with implementation and pollutant reduction. Quantitative measures will be included if appropriate depending on the activity change.	March 3, 2024	Document changes made to an operational activity for reduction of pollutant discharge.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
		2. Inform the public about steps that they can take to reduce mercury-related pollutants in stormwater runoff and air.	a. See Temperature > Solar Radiation Input > Protect and Promote Healthy Riparian Areas > NSWC Coordination (1.d)				
			b. Post and maintain riparian information on stormwater webpage.	Provide information content related to riparian areas. Link or screenshot of riparian information from the City's stormwater webpage.	Ongoing Implementation deadline is September 30, 2023 per the City's existing TMDL matrix.	Provide informational content related to riparian areas on the City's publicly accessible stormwater webpage. Webpage completed and updated regularly.	Content related to riparian areas is available on the City's Stormwater Management webpage. **2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
	Air Deposition	1. Reduce air pollution.	a. Support commuter ride program by providing information at City Hall.	Provide ODEQ with a PDF file of the latest brochure being promoted at City Hall.	Ongoing Implementation deadline is September 30, 2023 per the City's existing TMDL matrix.	Provide informational brochure at City Hall.	Capital Area Rural Transportation (CARTS) brochures are available at City Hall (Attachment X). **2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**

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Additional Elements Required from the Water Board - Water Quality Management Plan (WQMP) Six Control Measures for Mercury and Bacteria from NPDES Phase II Program	Sediment and Air Deposition	1. Pollution Prevention in Municipal Operations.	a. Refer to Mercury>Sediment>Reduce Sediment...>Street Sweeping (1.e), Catch Basin Cleaning (1.f), Storm Line Cleaning (1.g)				
			b. Obtain Erosion and Sediment Control (ESC) inspection certification for Public Works employee(s) performing ESC inspections.	Enroll employees in ESC inspection certification program. Track number of employeed performing ESC inspections and number of employees ESC certified or recertified.	Ongoing Implementation deadline is September 30, 2023 per the City's existing TMDL matrix.	Confirm all employees performing ESC inspections received ESC certifications. Adjust employee certifications to match City's demand for ESC inspections.	Employees will be trained as budget and time permits. **2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
		2. Public Education and Outreach. Provide the public with an opportunity to participate in the development of programs and activities to reduce mercury-related pollutants in stormwater runoff and air.	a. Refer to Mercury>Air Deposition>Reduce Pollution>Commuter Ride Information (1.a)				
			b. Coordinate with volunteer groups.	Begin tracking and report number of volunteer projects performed annually.	Ongoing Implementation deadline is March 3, 2024 per the City's existing TMDL matrix.	Report 100% of City -coordinated volunteer projects. Co-host annual volunteer event.	The City coordinates an annual fall clean up day for leaf and yard debris. The collection is free; residents are just asked to donate canned food for the food pantry. Events are promoted via the City's newsletter and social media. Flyers are included in Attachment X. **2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			c. See Mercury>Sediment>Inform the Public...>Post and maintain riparian information on stormwater webpage (2.b)				
			d. Post Mercury TMDL Implementation Plan and Matrix to City's stormwater webpage.	TMDL Implementation Plan and Matrix posted to City's stormwater webpage by September 3, 2022. Annual reports posted by September 30 each year.	Implementation deadline is September 30, 2023 per the City's existing TMDL matrix.	TMDL Implementation Plan and Matrix complete and posted to City's stormwater webpage.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			e. Post stormwater educational materials on stormwater webpage.	Review EPA Stormwater Smart Outreach Tools for relevant material and graphics.	Ongoing	Add two (2) new links/educational materials to the City's stormwater webpage annually.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
		2. Public Participation	a. Coordinate an annual city cleanup day.	Document date and volunteer groups particpating in event.	March 3, 2024	City-coordinated events reported.	The City coordinates an annual fall clean up day for leaf and yard debris. The collection is free; residents are just asked to donate canned food for the food pantry. Events are promoted via the City's newsletter and social media. Flyers are included in Attachment X. **2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			b. Present TMDL Implementation Plan (IP) to City Council for Approval.	Presented? Y/N	Ongoing	Presented?	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
			c. Continuously update City contact information on City's stormwater webpage.	Accurate contact information posted.	March 3, 2024	Review and update contact information posted annually.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
		3. Illicit Discharge Detection and Elimination	a. Refer to Bacteria>Municipal Sewage>Reduce Municipal Sewage>Cross-Connections (2.a.)				
			b. Update stormwater system mapping.	System areas revised in database based on additional collected data and inserted as-built construction data into the GIS system; field verify accuracy of data.	Ongoing	Revisions made?	New infrastructure is added to the GIS system on an "as-received" basis. **2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**

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Additional Elements Required from the Water Board - Water Quality Management Plan (WQMP) Six Control Measures for Mercury and Bacteria from NPDES Phase II Program	Sediment and Air Deposition	3. Illicit Discharge Detection and Elimination	c. Perform water quality testing in Salem Ditch, Stayton Ditch, and West Stayton Irrigation Ditch.	Prepare annual summary report.	Ongoing	Continue testing and track water quality improvements/degradation over time.	The purpose of this monitoring is to provide the City with additional data to better understand the effects of the City's storm outfalls on water quality of the North Santiam River and associated canals. Sampling data is reviewed at the time test results are received and on an annual basis. Laboratory analysis reports are included as Attachment X. **2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**
		4. Construction Site Runoff Control	a. Refer to Mercury>Sediment>Stormwater>Reduce Sediment>1200C,Erosion Control Plans (1.a., 1.b.)				
		5. Post Construction Storm Water Management	a. Ensure that the City-adopted Portland Storwater Management Plan requirements are followed.	Review all new development plans prior to issuing permits.	Ongoing	Continue reviewing new development plan sets over time.	**2023 - 2024 -** **2024 - 2025 -** **2025 - 2026 -** **2026 - 2027 -** **2027 - 2028 -**