

**City of Mill City 2018-2023 TMDL Implementation Matrix
Sept 2022 through December 2022 Revised Mercury TMDL**

Mercury, Bacteria, Temperature

Sources: Bacteria (e.g., domestic sewage, pet waste, failing onsite systems); Sediment and mercury loads (e.g., erosion of soil from construction and post-construction) in stormwater runoff; Solar radiation on streams due to lack of shade canopy

Purpose: Reduce bacteria and sediment and mercury loads from entering stormwater runoff and surface waters. Protect riparian corridors and shade canopy, protect safe beaver habitat, conserve water to mitigate solar heat on surface water

#	WQMP Stormwater Measure BMP STRATEGY	MEASURE REPORTING STATUS DELIVERABLE	TIMELINE	BENCHMARK Goals, steps, milestones for implementation	FUNDING Plan Implementation Reasonable Assurance	REPORTING DELIVERABLE STATUS 5 Reports for 2018-2023 Report #_____
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Public Involvement and Participation

Awareness of water quality protection programs

1	Reasonable assurance plan will be implemented and sustained overtime Cost analysis and estimation page 128-221 of https://www.oregon.gov/deq/wq/Documents/willHgtmdlwqmpF.pdf	Describe annually how budget was confirmed for plan implementation	2018-2023 ongoing activity	1. Budget development and City Council approval for plan development, implementation, annual status reporting and a five-year review	Annual costs and funding to determine extent of each BMP activity	
2	Provide opportunities for the public to effectively participate in the development and implementation TMDL plan	Document date of council meeting for agenda items for TMDL related items	2018-2023 ongoing activity	1. City Council review and acknowledgement of TMDL plan and progress reporting 2. Provide public input opportunity at meeting plan and reports are presented for discussion	Ongoing city business	
3	Provide opportunities for the public to effectively participate in the development and implementation TMDL plan	Annually provide web link for access to Plan and reports viewing	2018-2023 ongoing activity	1. Post City Council reviewed implementation plan and reports on website 2. Post revised mercury plan on website before Sept 3, 2022	Funding included in basic operational costs.	

Public Education and Outreach

Conduct ongoing education and outreach to inform the public about the impacts of stormwater discharges on waterbodies and the steps that they can take to reduce mercury-related pollutants in stormwater runoff

4	Promote water quality protection – “Conserve water protect its source”	Provide website link for water quality educational and outreach documents; Describe what messages were used for stormwater and water quality protection	2018-2023 ongoing activity	Program in-place 2018-2023; Continue under new mercury TMDL 1. Utilize City newsletter to provide message for protecting stormwater and water quality 2. Post water quality documents, in addition to TMDL plan and matrix, on city website; documents will be prepared as part of the stormwater master plan process	Funding included in basic operational costs.	
5	Promote available grant funding for the repair of a rehabilitative housing including repair/replacement of failing septic – Reduce Bacteria, nutrients, phosphorous, and nitrates	Annually provide working links for funding posts on website and in City Hall lobby; Require homeowners to connect failing septic systems to City sewer as needed	2018-2023 ongoing when funding grants identified and available	1. Publish grant information on website and in lobby; Provide info to residents whose septic systems are failing 2. Reduction of # of NIPS (Not in Plans) remaining in City as connections are made	Housing Rehab funding in City budget	

Pollution Prevention and Good Housekeeping for Municipal Operations Properly operate and maintain city facilities, using prudent pollution prevention and good housekeeping to reduce the discharge of bacteria and mercury-related pollutants, such as sediment, through the stormwater conveyance system to waters of the state						
6	Cleaning program for stormwater catch basins, ditches	Annually report approximate percentage, public ditches, manholes, storm sewers, catch basins, cleaned and inspections completed	2018-2023 ongoing activity	<ol style="list-style-type: none"> 1. Program in-place 2018-2023; Continue current mercury TMDL 2. Schedule and monitor sediment catch basin cleaning and performance and debris blockage in culverts 	Funding included in basic operational costs	
7	Provision of sanitary services at city parks	Permanent restrooms available at Mill City Falls Park and Kimmel Park; Maintained by City staff	2018-2023 ongoing activity	Complete – On-Going Maintenance of Facilities	City Budget	
8	Minimize pet-waste entering stormwater to reduce bacteria entering municipal stormwater conveyance ditches	Annually report stations are maintained and supplied with bags	2018-2023 ongoing activity	<ol style="list-style-type: none"> 1. Pet waste pick-up stations installed; Maintain stations and replenish supplies. 	City Budget	
9	Ensure city owned or operated facilities with industrial activity identified in DEQ's 1200-Z Industrial Stormwater General Permit have coverage under this permit.	No Industrial land within City limits; Report annexations which bring industrial land/use into City	2023-2024 implementation	<ol style="list-style-type: none"> 1. Check DEQ database for City owned 1200Z facilities & City building inventory 2. Evaluate new city owned facilities or changes for 1200Z 	City Budget as needed	
10	Temperature strategy - Seek collaboration, partnerships and grant funding in order to implement riparian enhancement projects.	Annually report description of projects implemented and planned in support of benchmark goals	2018-2023 ongoing Based on funding grants identified and available	<ol style="list-style-type: none"> 1. Protect City riparian vegetation 2. Promote voluntary actions for privately owned river front properties 3. Retain instream woody debris where feasible and safe 4. Work with N.S. Watershed Council for partnerships 	Grants and General Fund funding	
Illicit Discharge Detection and Elimination Implement and enforce a program to detect and eliminate illicit discharges into the stormwater conveyance system to reduce sediment load and other pollutants in runoff						
12	Develop and routinely maintain a current map of stormwater conveyance system for location of outfalls and an outfall inventory, conveyance system and stormwater control locations	Annually provide working web link for access to map.	2023-2024 implementation	<ol style="list-style-type: none"> 1. Prepare System Map 2. Routinely maintain a current map in concert with urban growth 3. Reevaluate enhancing map in 2028 for inventory and locations beyond drainage 	Ongoing City Business	
13	Prohibit non-stormwater discharges into the stormwater conveyance system (illegal discharges to stormwater system) <ol style="list-style-type: none"> a) Municipal code for verbal or written notifications for impacts to water quality to establish compliance b) Obtain support from Linn County Sheriff for issues defined in contract c) Maintain a procedure or system to document all complaints or reports of illicit discharges into and from the stormwater conveyance system 	Annually provide brief description of complaints received, response and resolution actions	2023-2024 implementation	<ol style="list-style-type: none"> 1. Document complaints/concerns received 2. Follow code violation procedure up to and including court action. 3. Provide information on how to report illegal discharge. 	Ongoing city business.	
14	Prohibit non-stormwater discharges into the stormwater conveyance system <ol style="list-style-type: none"> a) Through enforcement of an ordinance or other legal mechanism for appropriate enforcement procedures and actions to ensure compliance. 	Annually track and report violations, enforcement action taken, resolution	2023-2024 implementation	<ol style="list-style-type: none"> 1. Draft and adopt Stormwater Master Plan 2. Draft and adopt stormwater design standards 3. Draft and adopt Stormwater code/enforcement measures 	Legislative Grant for Stormwater Master Plan/construction	

15	Prohibit non-stormwater discharges into the stormwater conveyance system d) Define the range of illicit discharges it covers, including those discharges that are conditionally allowed, such as non-stormwater discharges or flows such groundwater, irrigation water in the ordinance/code	Provide FAQ or similar on website re: stormwater/non-stormwater discharge outlining conditionally allowed. Track conditional allowances through permit and/or land use process	2023-2024 implementation	1. Draft and adopt Stormwater Master Plan 2. Draft and adopt stormwater design standards 3. Draft and adopt Stormwater code/enforcement measures	Legislative Grant for Stormwater Master Plan/construction	
Construction Site Runoff Control						
Sediment in runoff leaving construction sites and/or activity into stormwater conveyance system. Implement a Construction Site Runoff Control Program						
16	Refer project sites to DEQ, or the appropriate DEQ agent, a) To obtain NPDES 1200-C Construction Stormwater Permit coverage for construction projects that disturb one or more acres (or that disturb less than one acre, if it is part of a "common plan of development or sale" disturbing one or more acres b) Coordinate permit acquisition with County and developers for >=1 acre - Provide DEQ 1200-C permit information to Linn County, developers, or homeowners as appropriate	Provide/confirm benchmark functional website links for development tools and describe any updates to tools for city and county changes	2023-2024 implementation	1. Outline process within code for permit requirement with development 2. Include DEQ Construction Permit info on website - Department of Environmental Quality; Stormwater Permit Application Forms and Permit Fees: Water Quality Permits: State of Oregon 3. Use in conjunction w/Subdivision Ordinance and all other ordinances for new development erosion control, 1200C permit 4. Require proof of permit prior to issuance of building permits	Legislative Grant for Stormwater Master Plan/construction General City Budget after 2024/2025	
17	Require construction site operators to complete and implement an Erosion and Sediment Control Plan for construction project sites in jurisdictional area for minimum land disturbance of 21,780 square feet (one half of an acre) or more, and are not already covered by a DEQ 1200-C a) Coordinate erosion control and grading permits acquisition with County and developers 1/2 acre Linn County Do I need a permit Linn County Grading, erosion control	Provide/confirm benchmark functional website links for development tools and describe any updates to tools for city and county changes	2023-2024 implementation	1. Outline process within code for permit requirement with development 2. Create city website development tools: 3. DEQ Construction Permit Department of Environmental Quality; Stormwater Permit Application Forms and Permit Fees: Water Quality Permits: State of Oregon 4. Use in conjunction w/Subdivision Ordinance and all other ordinances for new development erosion control, 1200C permit 5. Require proof of permit prior to issuance of building permits	Legislative Grant for Stormwater Master Plan/construction General City Budget after 2024/2025	
18	Through ordinance or other regulatory mechanism, to the extent allowable under state law, require erosion controls, sediment controls, and waste materials management controls to be used and maintained at all qualifying construction sites one half of an acre or more and not covered by DEQ 1200-C	Annually track/report permits/land use conditions of approval requiring 1200-C	2023-2024 implementation	1. Outline process within code for permit requirement with development 2. Create city website development tools: 3. DEQ Construction Permit Department of Environmental Quality; Stormwater Permit Application Forms and Permit Fees: Water Quality Permits: State of Oregon 4. Use in conjunction w/Subdivision Ordinance and all other ordinances for new development erosion control, 1200C permit 5. Require proof of permit prior to issuance of building permits	Legislative Grant for Stormwater Master Plan/construction General City Budget after 2024/2025	
19	Develop, implement and maintain a written escalating enforcement and response procedure for all qualifying construction sites. The procedure must address repeat violations through progressively stricter response, as needed, to achieve compliance	Annually track and report violations, enforcement action taken, resolution	2023-2024 implementation	1. Outline process within code for permit requirement with development 2. Include enforcement action, responses in code	Legislative Grant for Stormwater Master Plan/construction General City Budget after 2024/2025	

Post-Construction Runoff for New Development and Redevelopment						
Storm runoff from impervious surfaces. Develop, implement, and enforce Post-Construction Program to reduce discharges of pollutants and control post-construction stormwater runoff from new development and redevelopment project sites in its jurisdictional area.						
20	<p>Recommend Public Works Design Standards to use in conjunction w/Subdivision Ordinance and all other ordinances for new development:</p> <p>(A) The use of stormwater controls at all qualifying sites.</p> <p>(B)</p> <ol style="list-style-type: none"> 1. A site-specific stormwater management approach that targets natural surface or pre-development hydrological function through the installation and long-term operation and maintenance of stormwater controls. 2. Retain rainfall on-site and minimize the offsite discharge of precipitation utilizing stormwater controls 	Annually track/report permits/land use conditions of approval requiring stormwater controls.	2023-2024 implementation	<ol style="list-style-type: none"> 1. Draft and Adopt PWDS for stormwater controls 2. Include stormwater management review in all land use/building permit processes 	<p>Legislative Grant for Stormwater Master Plan/construction</p> <p>General City Budget after 2024/2025</p>	
21	<p>City program for long-term operation and maintenance of stormwater controls at project sites that are under the ownership of a private entity.</p> <p>Recommend Design Standards Use in conjunction w/Subdivision Ordinance and all other ordinances for new development:</p> <p>Storm drainage/Private systems/Detention</p>	First draft complete. Report final draft/ adoption of complete program, adoption of PWDS	2023-2024 implementation	<ol style="list-style-type: none"> 1. Draft and Adopt LT O&M for stormwater 2. Draft and Adopt PWDS for stormwater 3. Include stormwater management review in all land use/building permit processes 	<p>Legislative Grant for Stormwater Master Plan/construction</p> <p>General City Budget after 2024/2025</p>	
22	<p>Through ordinance or other regulatory mechanism, require new or redeveloped areas that create or replace 10,890 square feet or more of new impervious surface area:</p> <p>(A) The use of stormwater controls at all qualifying sites.</p> <p>(B)</p> <ol style="list-style-type: none"> 1. A site-specific stormwater management approach that targets natural surface or pre-development hydrological function through the installation and long-term operation and maintenance of stormwater controls. 2. Retain rainfall on-site and minimize the offsite discharge of precipitation utilizing stormwater controls that infiltrate and evapotranspiration stormwater. 3. For projects that are unable to fully retain rainfall/runoff from impervious surfaces on-site, the remainder of the rainfall/runoff from impervious surfaces must be treated prior to discharge with structural stormwater controls. The stormwater structural controls should be designed to remove, at a minimum, 80 percent of the total suspended solids. 4. City program for long-term operation and maintenance of stormwater controls at project sites that are under the ownership of a private entity. 	Annually track/report permits/land use conditions of approval requiring stormwater controls.	2023-2024 implementation	<ol style="list-style-type: none"> 1. Outline process within code for permit requirement with development 2. Create city website development tools 3. DEQ Construction Permit Department of Environmental Quality; Stormwater Permit Application Forms and Permit Fees: Water Quality Permits: State of Oregon 4. Use in conjunction w/Subdivision Ordinance and all other ordinances for new development erosion control, 1200C permit 5. Require proof of permit prior to issuance of building permits 	<p>Legislative Grant for Stormwater Master Plan/construction</p> <p>General City Budget after 2024/2025</p>	