

City of Aurora Management Strategy Matrix 2021-2026 – Rev 2022 for Mercury								
Pollutant	SOURCE	STRATEGY	HOW	FISCAL ANALYSIS	MEASURE	TIMELINE	MILESTONE	STATUS of Measure
	<i>What sources of this pollutant are under your jurisdiction?</i>	<i>What is being done, or what will you do, to reduce and/or control pollution from this source?</i>	<i>Specifically, how will this be done?</i>	<i>What is the expected resource need? Existing resources budgeted? If not, where will it come from?</i>	<i>How will you demonstrate successful implementation or completion of this strategy?</i>	<i>When do you expect it to be completed?</i>	<i>What intermediate goals do you expect to achieve, and by when, to know progress is being made?</i>	<i>report date and implementation year:</i>
1. Temperature Bacteria Mercury Pesticides	Pet waste, Sediment and pesticide 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	Public Involvement and Participation Awareness of water quality protection programs	Reasonable assurance plan will be implemented and sustained overtime Cost analysis and estimation page 128-221 of https://www.oregon.gov/deq/wq/Documents/willHgtmdlwgmpF.pdf	Funding included in basic operational costs; City Council in-kind	Describe annually how budget was confirmed for plan implementation	Annually 2021-2026	Annual budget preparation for Public Works; City Council adoption; Establish and maintain budget	Budget was established in Apr-May and adopted in June. Operating under 2022-2023
2. Temperature Bacteria Mercury Pesticides	Same as 1	Public Involvement and Participation	Provide opportunities for the public to effectively participate in the development and implementation TMDL plan	Funding included in basic operational costs; City Council in-kind	Describe annually when plan and progress reports were acknowledged	Annually 2021-2026	1. City Council review and acknowledgement of TMDL plan and progress reporting 2. Utilize public notice requirements for implementing the plan and future	See 1 above for budget established to sustain plan.

							updates, such as, needed ordinances	
3. Temperature Bacteria Mercury Pesticides	Same as 1	Public Involvement and Participation	Provide opportunities for the public to effectively participate in the development and implementation TMDL plan	Funding included in basic operational costs.	2022/2023 upon DEQ approval of plan post plan and reports each year	Post City Council reviewed implementation plan and reports on website Post revised mercury plan on website following DEQ approval	Replace 2010 plan w/2022 mercury plan update on website	Will provide link in 2023 report on 11/30.
4. Bacteria Mercury Pesticides	Sediment and pesticide and mercury loads (e.g., erosion of soil from construction and post-construction) in stormwater	Public Education and Outreach	Post on website annually Consumer Confidence Report and retain educational documents on Public Works website supporting stormwater protection	Staff time/minimal resources needed	Provide weblink for most current CCR and confirm weblinks working and are maintained educational resources	2021-2026 Assessed in 2022.	Update for 11/30/2022 reference to old 2006 TMDL: City Street Sweeping Policies Explained Aurora Oregon Consumer Confidence Report includes section on Why are there contaminants in the water? Existing webpage for why protecting water quality is important: tmdl3.pdf (aurora.or.us) Microsoft Word - SWP Practices Bulletins, Stormwater Runoff, final 11-23-09 .doc (aurora.or.us)	Link for street sweeping and outreach materials: Public Works Aurora Oregon https://www.ci.aurora.or.us/publicworks Links to CCR: Consumer Confidence Report Aurora Oregon https://www.ci.aurora.or.us/utilities/page/consumer-confidence-report
5. Mercury	Sediment and mercury loads (e.g., erosion of soil from construction)	Public Education and Outreach	Table 13-11 and 13-14 - Monitor and track effectiveness of education and outreach activity	TBD	TBD	Assessed in 2022. Reassess feasibility and priority at five-year review in	TBD	Reassess feasibility and priority at five-year review in 2026

	and post-construction) in stormwater					2026			
6.	Temperature Bacteria Mercury Pesticides	Same as 1	Riparian protection and restoration	Comprehensive Plan and Municipal Code enforcement for riparian areas	Private development funds and Staff time	Describe annually efforts dedicated to enforcing code; Report at 5 year comparisons data aerial view from google earth or other available source	2021-2026 Every 5 yrs. Aerial check	Compare aerial photographs at five-year intervals to determine state of and changes to riparian areas; Respond to concerns received or identified by city or citizens	Update due next five-year review on Nov 30, 2026
7.	Temperature Bacteria Mercury Pesticides	Same as 1	Riparian protection and restoration	Voluntary actions and efforts to support restoration; Formal support and recommendations for community riparian planting.	Staff time/minimal resources needed	Describe annually efforts dedicated to voluntary efforts and collaboration with watershed council	On-going, as assistance is needed	Support provided for community riparian planting project; Meet with watershed council for possible projects and options	City conducted plantings with watershed council to eliminate invasives for native growth – Mill Creek Education outreach materials also available on website FS 5 PM (aurora.or.us) https://www.ci.aurora.or.us/sites/default/files/fileattachments/public_works/page/149/managing_streamsideside_buffers.pdf
8.	Bacteria	Pet waste in stormwater runoff	Pollution Prevention and Good Housekeeping for Municipal Operations Properly operate and maintain city facilities	Erect signage and provide waste bags in parks	Staff time/Park funds/donations	Annually confirm stations used and maintained	Completed June 2011 – ongoing 2021-2026	Review and select sites and message content; Pet waste stations installed;	All parks and locations in town have pet stations maintained (approx. 7-10)
9.	Mercury, pesticides	Industrial wastes entering stormwater runoff	Pollution Prevention and Good Housekeeping for Municipal	Ensure city owned or operated facilities with industrial activity identified in DEQ's 1200-Z Industrial Stormwater General Permit have coverage under	Planning and Development for facility purchased industrial businesses	Annually confirm if 1200Z status changed and/or not activity	Sept 2022 - 2026	1. Initial check for: DEQ database for City owned 1200Z facilities & City building inventory	No facility purchases or leases of industrial facilities.

		Operations	this permit.				9/28/22 2. Evaluate new city owned facilities or changes for 1200Z	
10. Bacteria Mercury Pesticides	Road sediment entering stormwater catch basins and stormwater	Pollution Prevention and Good Housekeeping for Municipal Operations	Cleaning program for stormwater catch basins, ditches and streets	Street fees	Annually report approximate percentage, by category, catch basins cleaned inspections vs streets	2021-2026	City Street Sweeping Policies Explained Aurora Oregon See ed and outreach above	https://www.ci.aurora.or.us/community/page/city-street-sweeping-policies-explained
11. Bacteria Mercury Pesticides	Locate and respond to illicit discharges	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	1. Develop a digital current map of stormwater conveyance system for location of outfalls and an outfall inventory, conveyance system and stormwater control locations 2. Routinely maintain and update	Stormwater Master planning development fees 2021; Routine operational costs	Annually provide working web link for access to map: aurora swmp - final 2021-06-24.pdf	2021-2026 Existing SWMP map in-place	11.1. - SWMP completed in Jun 2021 – Maps of catch basins and outfalls identified In digital format 11.2. - Assessed in 2022. Low growth, but capability to routinely maintain and update map	aurora swmp - final 2021-06-24.pdf https://www.ci.aurora.or.us/sites/default/files/fileattachments/public_works/page/842/aurora_swmp_-_final_2021-06-24.pdf no change in map
12. Bacteria Mercury Pesticides		Illicit Discharge Detection and Elimination	Prohibit non-stormwater discharges into the stormwater conveyance system (illegal discharges to stormwater system) a) Municipal code for verbal or written notifications for abatement of impacts to water quality to establish compliance b) Maintain a procedure or system to	Funding included in basic operational costs; Street fees	Annually provide brief description of complaints received and response and resolution actions; No complaints w/in last 5 years	2021-2026	Code prohibits discharge: https://library.municode.com/or/aurora/codes/code_of_ordinances?nodeId=TIT8HESA : Title 8 Determination, Abatement, and Enforcement 8.08.030 - Nuisances affecting public health Rubbish, Junk and Water Pollution - Pollution of a body of	No complaints. City does not receive many complaints.

			document all complaints or reports of illicit discharges into and from the stormwater conveyance system.				water, well, spring, stream, or drainage ditch by sewage, industrial wastes or other substances placed in or near the water in a manner that will cause harmful material to pollute the water 8.08.230 - Enforcement and discharge of duties.	
13. Bacteria Mercury Pesticides	Protect stormwater from pollutants and define what is not a pollutant	Illicit Discharge Detection and Elimination	Prohibit non-stormwater discharges into the stormwater conveyance system via code, ordinance, or other regulatory mechanism 1. Define the range of illicit discharges it covers, including those discharges that are conditionally allowed, such as non-stormwater discharges or flows such as groundwater, irrigation water in the ordinance or other legal	TBD	TBD	Assessed in 2022. Reassess feasibility and priority at five-year review in 2026; No complaints or issues last five-years.	Refer to 12 above for activity in-place	Reassess feasibility and priority at five-year review in 2026
14.	Sediment in runoff leaving construction sites and/or activity into stormwater conveyance system.	Construction Site Runoff Control	https://library.municode.com/or/aurora/codes/code_of_ordinances?nodetid=TIT8HESA : ENVIRONMENTAL PERFORMANCE STANDARDS 16.32.020 - General provisions Storm Water Discharge Permit (1200-c)	Staff time/minimal resources needed	Report any active 1200c permits in-place or none	2021-2026	Code established to require plan development checklist for planning director; Prior to issuance of a building permit, the Planning Director may require submission of evidence National Pollutant Discharge Elimination System	One active permit for storage facility being built. No less than 1 acre.

							Storm Water Discharge Permit (1200-c)	
15.	Sediment in runoff leaving construction sites and/or activity into stormwater conveyance system.	Construction Site Runoff Control	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	TBD	TBD	Assessed in 2022. Reassess feasibility and priority at five-year review in 2026; Moratorium on growth	Refer to 14 in-place.	Reassess feasibility and priority at five-year review in 2026
16.	Sediment in runoff leaving construction sites and/or activity into stormwater conveyance system.	Construction Site Runoff Control and Post-Construction for new and re-development	https://library.municode.com/or/aurora/codes/code_of_ordinances?nodetid=TIT8HESA:ENVIRONMENTAL PERFORMANCE STANDARDS 16.32.020 - General provisions 16.48.040 - Rivers and stream corridors to address construction site erosion protect buffer widths are maintained or enhanced along Mill Creek or the Pudding River for a minimum of fifty (50) feet from the top of the bank: minor drainage-ways for a minimum of ten (10) feet from the channel bottom center line; seasonal drainageways for a minimum of ten (10) feet not be less than fifty (50) feet or exceed one hundred fifty	Staff time/minimal resources needed	Findings from 6 will be used for documenting code implementation	2021-2026	Developments shall be planned, designed, constructed, and maintained so that: 1. River and stream corridors are preserved to water quality is protected through adequate drainage and erosion control practice. 2. Comply with non-point source pollution control and contained in the Oregon Administrative Rules. 3. Avoid substantial probabilities of: (a) accelerated erosion; (b) pollution, contamination, or siltation rivers and	See status for 6 above

			(150) feet for uses permitted in the flood plain 16.82.010 – Enforcement – abatement, evidence, violation				streams; (c) damage to vegetation; (d) injury to wildlife and fish habitats; 4.Minimize the removal of native vegetation that stabilize hillsides, retain moisture, reduce erosion, siltation and nutrient runoff, and preserve the natural scenic character.	
17.	Sediment in runoff leaving construction sites and/or activity into stormwater conveyance system.	Construction Site Runoff Control	Through ordinance or other regulatory mechanism, to the extent allowable under state law, require 1. 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 2. 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 already	TBD	TBD	Assessed in 2022. Reassess feasibility and priority at five-year review in 2026; Marion County code or ODOT code used if not addressed by Aurora Code	Refer to 14, 15, & 16 and in-place	Reassess feasibility and priority at five-year review in 2026
18.	Sediment in runoff leaving construction sites and/or activity into stormwater	Construction Site Runoff Control	Develop, implement, and maintain a written escalating enforcement and response procedure for all qualifying construction sites. The	TBD	TBD	Assessed in 2022. Reassess feasibility and priority at five-year review in 2026	Refer to 14, 15, 16 and 19 alternatives in-place	Reassess feasibility and priority at five-year review in 2026

	conveyance system.		procedure must address repeat violations through progressively stricter response, as needed, to achieve compliance					
19.	Sediment in runoff leaving construction sites and/or activity into stormwater conveyance system.	Construction Site Runoff Control and Post-Construction	City Code has general provisions to prevent adverse effects downstream during construction by assuring erosion control; City Code and Public Works Standards require to prevent adverse effects downstream by control flow	Budget is very limited/Grants	Describe in any city projects or private development how erosion control and adverse effects downstream were addressed (city, marion cnty, or ODOT used)	Ongoing 2021-2026	Municipal code outlines the general provisions. Marion County code or ODOT code used if not addressed by Aurora Code	No construction projects beyond 1 active 1200C
20.	Storm runoff from impervious surfaces.	Post-Construction Runoff for New Development and Redevelopment	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: (A) The use of stormwater controls at all qualifying sites. (B) 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.	TBD	TBD	TBD	Assessed in 2022. Reassess feasibility and priority at five-year review in 2026; Moratorium on city water and waste water capacity increases; Marion County code or ODOT code used if not addressed by Aurora Code; Refer to 14, 15, 16 and 19 alternatives in-place	Reassess feasibility and priority at five-year review in 2026

			<p>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.</p> <p>4. City program for long-term operation and maintenance of stormwater controls at project sites that are under the ownership of a private entity.</p>					
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