

City of Coburg TMDL 5-year Implementation Matrix 202318- 20238: Mercury TMDL Updates
Waterways within Coburg are Muddy Creek Irrigation Ditch and the Mill Slough

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Pollutant	Source	Strategy	Implementation	Benchmark	Measure	Timeline	Funding	Status Update
Temperature	Solar radiation	1. Protect and enhance existing shading vegetation.	a. Maintain Goal 5 inventory and protect and enhance Coburg local wetlands and riparian area inventory listed in ordinance A-237.	Number of documented violations decrease overtime. Aerial photos of the inventory show increases in health vegetation.	Track the number of violations and follow-up actions. Document aerial photos or visual changes every other year	Year 1-5 continuation of ordinance enforcement; annual review Years 2-and-4 1, 3, and 5: Assessment of aerial imagery photos; every other year	Grant. Park/Street	
		2. Provide outreach and education to property owners about importance of riparian functions, protection and enhancement.	a. Include information in the city newsletter on a semi-annual basis.	Information to be included in newsletter is available for distribution	Track and document information included in newsletter	Years 1-5: Develop and distribute outreach materials twice a year.	Street	
		3. Perform tree planting on available city property.	a. The city participates in an annual Arbor day celebration by planting trees with the local school children	Budgeted for annual Arbor day celebration activity.	Location and the number of trees planted.	Years 1-5: Trees planted on city property each year	Parks/street	
	Waste water Treatment plant discharge	1. Maintain low effluent temperature.	a. Maintain compliance with current NPDES permit requirements. Utilize the plants cooling water system to maintain lower temperatures.	Perform testing of the effluent discharge. File test results, Compliance benchmark with current NPDES permit.	Monitor effluent temperatures/test results.	Ongoing; annual review	Sewer	
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Bacteria	Pet and animal waste	1. Reduce the amount of pet waste that is not properly disposed of.	a. Install additional pet waste stations b. Maintain current stations. c. Enforce existing pet waste pick-up ordinance ORD A-171.	Determine locations and prepare news release to inform residents about new stations. Review ordinance and complete pet waste station strategy Add more stations as space is available.	Pet waste stations installed. Track number of bags used or cost to supply bags on annual basis. Track the number of citations issued.	Year 1-5: Keep pet waste stations supplied and track enforcement of ORD A-171. Year 2-3:Installation of new stations in 2019-2020.	Parks	

	Wastewater treatment plant.	1. Maintain compliance with the current NPDES permit for the facility.	a. Perform regular inspections and tests of the effluent quality leaving the plant.	Follow current Benchmarks set by the current NPDES permit. Perform the weekly Bacteria testing with QC.	Lab testing of effluent with tracking and filing of lab results.	Existing; on-going.	Sewer	
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Mercury	Pollution Prevention and Good Housekeeping for Municipal Operations	1. Properly operate and maintain its facilities using prudent pollution prevention and good housekeeping to reduce discharge of mercury related pollutants.	The city will obtain a 1200-Z permit for any facility that requires one.	If the city obtains a facility with industrial activity.	Record retention of activities that will require a 1200-Z.	To be determined	Water/Wastewater budget	
	Erosion and sedimentation	1. Develop bio swale management program.	a. Develop and implement a bio swale inspection program and schedule	1. Inspect bioswales on a quarterly basis or more often depending on conditions, e.g. heavy storms, draught etc. 2. Follow BMP for bio swale maintenance quarterly.	Fill out inspection forms. Track the number of inspections and repairs.	Year 1: Develop inspection program and schedule Year 2: Implement, and track inspections, issues and follow-up actions.	Street	
		2. Provide training opportunities for public works staff	a. Staff attend at least one training a year, e.g. training may include erosion and sediment control BMPs, inspection protocols, complaint response, and other topics related to program implementation.	Attend at least one course annually to ensure proper practices are being implemented.	Track and document courses attended, topics covered, and staff that attended	Year 1: Identify staff that will attend trainings, and which trainings or certifications will be pursued. Years 1-5: Staff will attend relevant training at least one time a year.	Street	
		3. Reduce erosion and sediment from development	a. Require erosion and sediment control plan and proof of DEQ 1200-C permit coverage for new development and/or redevelopment activities that disturb one- acre or more b. Follow development code for new	Include 1200-C permit information in building permit packet or at permit counter c. Draft erosion and sediment control requirement from one half acre to one acre in the development code.	a. Track and document that all development that disturbs one acre or more has a DEQ 1200-C permit. b. Track and document the	a. Year 1-3: Work with planning to draft amendment to current permit requirements. Year 4-5: annual review b. City's sediment erosion and	Planning	

			development and redevelopment until new code is adopted to cover one half acre.		number of erosion and sediment control plans.	control plan requirements for developments ½ acre or more to be completed and fully implemented by March 3, 2031		
		4. Post construction site runoff	a. Follow current development code for new development and redevelopment. (Coburg Zoning Code Article VII, Section 5)	<ol style="list-style-type: none">1. Ensure proper post construction site runoff plans are met during planning phase.2. Perform inspections post construction before finalizing permit.3. Perform annual inspections of stormwater system.4. Require maintenance agreements for any privately owned stormwater facilities	<ol style="list-style-type: none">1. Track and document stormwater controls during planning phase.2. Track and document results of inspections of stormwater system post construction.3. Track and document results of annual inspections of stormwater system.	Year 1-5: Annually		
		escalating enforcement and response procedures	b. Follow written enforcement and response procedures outlined in Ordinance A-108-1, sections 54-62 for all qualifying construction sites.	Continue implementing current enforcement and response procedures.	Keep records of violations and repeat violations.	Year 1-5: Annually		
	Illicit Discharge	1. Enforce illicit discharge/illegal dumping ordinances; respond to and address illicit discharges	Enforce Nuisance Ordinance A – 108 – I, which includes water pollution, placed waste, solid waste (debris) and other discharges	Continue to enforce ordinance Revise code to include allowable non-stormwater discharges	Track and document violations, follow-up and enforcement actions	Ongoing; annual review Revised code completed and begin implementation by March 3, 2027	Sewer/parks/streets	

			Develop a complaint form available at city hall and online for community members to report illicit discharges or illegal dumping; clearly identify on the city's website what phone number to call if someone has a concern about an illicit discharge or illegal dumping.	All complaints are to be responded to within three working days	Track complaints received and follow-up actions	Year 1: Develop complaint form; clearly identify phone number to call on city's website if someone has a report of an illicit discharge or illegal dumping. Year 2: Send a form to everyone in the local newsletter. Years 3-5: Continuous use of the form for complaints.		
	Public Outreach and Education	1. Provide outreach education to local students.	Presentation of the effects of storm water issues in the community using city website and other outreach and education tools/ methods. 1. Public works will promote a booth at local city events. 2. Review city website annually to keep information relevant.		Perform at least one qualitative assessment on annual basis for one outreach/ education effort	Year 1: draft education presentation materials. Year 2: Education outreach effort will be designed with a qualitative assessment. Year 3-5: Continuation of program		
	Public Involvement and Participation	1. Present TMDL reports and five year matrix updates at City Council meeting. 2. Provide Public opportunities to participate in stormwater control measures.	Follow current public notice requirement procedures as well as continuing to keep the city website up to date with TMDL related materials, contact information, and education materials.	Annually, present TMDL report to city council.	Retain documentation of city Council meetings as well as public notices related to stormwater. Document any changes to city website in relation to TMDL.	Year 1-5: continue presenting annual TMDL reports to city council.		
	Storm water Runoff	1. Develop and maintain up-to-date map of catch basins and stormwater conveyance system	a. Update map as needed	Map of stormwater conveyance system is current	Map of stormwater conveyance system is current	Year 1: Review all catch basins and other stormwater conveyance owned or maintained by the city and confirm system map is current Years 2-5: Update map as needed	Street	

All Pollutants

		2. Catch Basin Cleaning and repair and maintenance of pipes and culverts	a. Perform inspections of existing pipes and culverts; clean catch basins on annual basis and repair infrastructure as needed	Catch Basins inspected and cleaned on an annual basis; repair pipe and culverts as needed.	Track Catch Basin cleaned per year, and number and locations of pipe and culvert repairs	Years 1-5: Perform inspections; track issues and repairs	Street	
Pollutant	Source	Strategy	Implementation	Benchmark	Measure	Expected Timeline	Funding	Status Update
	Riparian restoration.	1. Engage with the Linn and Lane county soil and water conservation districts. <u>Muddy Creek Irrigation Project</u>	a. Attend meetings, record and file information gained. b. Meet with SWCD staff to discuss opportunities to better engage with Muddy Creek Irrigation District <u>Project</u> water users <u>s</u>	Biannual <u>Quarterly</u> attendance.	Track the number of meetings attended, document discussions <u>with irrigation district</u> and next steps for engaging irrigation district.	Years 1-5: attend meetings two times a year. <u>Quarterly</u> <u>Years 1-3: Meet with SWCD(s) at least one time to discuss joint effort to engage irrigation ditch water users; document outcome(s) of meeting.</u>	Admin	
	Storm water runoff	Develop storm water master plan	Create and adopt storm water master plan	Annual reviews of the plan.	Perform revision every five years.	Year 1: Develop draft plan. Year 2: Implement plan. Year 5: Review plan at least once every five years	SDC/General	
		1. Reduce debris and materials that enter stormwater conveyance system and local waterbodies	Determine feasibility of initiating a street sweeping program; <u>Develop street sweeping schedule/program.</u> provide street sweeping services.	Evaluate street sweeping program annually and develop funding needs	Develop cost analysis for a street sweeping program. <u>Document amount of debris removed during sweeping.</u>	Year 1: complete a cost analysis of starting a street sweeping program; identify resources available or needed to support program. <u>Year 1: Draft street sweeping schedule.</u> <u>Year 2: If needed, develop and submit grant application to support street sweeping program.</u> Year 2-5: Pending grant or budget, implement street sweeping program. <u>Implement street sweeping program.</u>	General funds Grant Grant/Street	

	Waste	1. Provide information and education for safe disposal/recycling options for items such as fluorescent bulbs and hazardous waste .	a. Inform the public of events or locations to dispose of their hazardous waste. b. Advertise county wide collection events sponsored by county or other entities	Provide annual education to the public regarding the importance of proper disposal of hazardous items containing mercury.	Track and save records of events and newsletters sent regarding the locations.	Year 1-5: Ongoing; annual review	General/street/parks	
		2. Determine the cities capacity to provide the public with an opportunity to dispose Provide information and education of how to dispose of hazardous waste.	a. determine feasibility. b. Work with local partners to offer city wide clean up annually. c. advertise county wide collection events sponsored by county or other entities	Local partnership established. Event held.	Track the volume of materials received and outreach and education about collection events	Year 1: determine Feasibility and potential partnerships. Years 2-5: Based on feasibility study, provide annual collection event for community members. Years 1-5: Provide outreach and education through newsletter and/ or website about collection events.	General/street/parks	
	Public outreach and education activities.	Inform the public of the impact they have on the TMDL. Add to website	Write an article in the local news letter on best practice management practices. Add to website	Address a topic on a biannual basis	Track outreach efforts	Year 1-5: Biannual	Parks/streets	
		Keep City Council aware of TDML program implementation, successes, challenges, and funding needs.	Present TMDL matrix and annual report or five-year review to City Council at least once a year	TMDL program staff are on the City Council meeting agenda	Document meeting presentation date and agenda	Years 1-5: annually	Admin/general	
	Staff Training	1.training for pest management.	Provide training to public works crew training on proper pesticide and fertilizer application rates and techniques	Perform training every two years	Document training and report every two years.	Years 1-5	Parks dept	
		2. staff training in spill response.	Provide spill training and refresher courses to staff initially responding to spills.	Perform annually.	Track the number of staff in attendance.	Year 1-5 annually	Streets dept.	
		3. Promote staff education related to Environmentally friendly solutions	Participate in and attend environmental and water quality related professional meetings and conferences.	Attend at least one meeting or conference annually	Track the number of meetings and staff in attendance	Year 1-5 annually	Water/sewer dept.	