



# Oregon

Tina Kotek, Governor

## Department of Environmental Quality

Western Region Eugene Office

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TTY 711

Jan. 18, 2023

Darrin Lane  
PO Box 100  
300 SW 4<sup>th</sup> Ave  
Albany, OR 97321

**Re:** Department Order Approving the Linn County Nonpoint Source Mercury TMDL Implementation Plan

Dear Darrin Lane,

The Oregon Department of Environmental Quality approves the updated Lane County Total Maximum Daily Load Implementation Plan (the “updated Plan”) received on Aug. 31, 2022. The County’s previous plan (approved on Jul. 31, 2020) was revised to meet the implementation plan criteria as outlined in OAR 340-042-0080 and DEQ’s 2019 *Revised Mercury TMDL Water Quality Management Plan*.

This approved updated Plan outlines the actions for minimizing mercury and sediment inputs into surface waters from those areas where the county has jurisdiction to reduce mercury and sediment in the Willamette Basin in order to protect people who regularly eat fish and shellfish from streams and lakes across the basin.

The County must report on updated Plan implementation in order to document that the updated Plan is being implemented to restore and protect water quality in the Willamette Basin. To adequately fulfill the reporting and implementation requirements of the revised Mercury TMDL Linn County must:

1. Implement the best management practice activities it has proposed in the updated Plan.
2. Consult DEQ for approval on any changes to the updated Plan activities and timelines in advance.
3. Monitor, document, and report on progress in implementing the provisions of the updated Plan:
  - a. Submit annual reports to the Department by Aug. 31 each year. Reports should cover the previous months of implementation for Aug.1 through Jul. 31.
  - b. Submit complete reports. Reports must contain sufficient information to enable the Department to assess reporting metrics, measurable goals, compliance with the provisions of the Plan, progress, and delays and challenges, towards implementing the Plan for meeting the TMDL load allocation.
4. TMDL implementation is an iterative process that continues every five years. The fifth report submittal, due on Apr. 30, 2024, must document 1 & 2 above and include information on the following:
  - a. A comprehensive review of overall plan implementation progress (including

- progress under the previous plan and the updated Plan) over the previous years (Aug. 1, 2019, through Jul. 31, 2024).
- b. Evaluation, in consult with DEQ, to determine whether strategies, timelines, or other components of the updated Plan are adequate for the next five-year timeline.
  - c. Submittal of an update to the updated Plan for approval by the Department if evaluation determined Plan and/ or effectiveness of management strategies are inadequate for meeting the TMDL load allocations. At a minimum, update the five-year timeline for the continuation of implementation effective Aug. 1, 2024.

The TMDL, WQMP, Department approved TMDL Implementation Plan, and the deadlines and requirements established by this letter are enforceable orders. Failure to implement or timely implement the approved Plan is therefore an enforceable violation. The County's reporting on implementation is the mechanism to document the County is implementing the terms and conditions of the above- mentioned orders and failure to report is also an enforceable violation. Compliance with the approved Plan is considered compliance with the TMDL.

The Department endeavors to assist you in your implementation efforts. Please do not hesitate to contact your basin coordinator if you have questions about TMDL implementation:

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Heather Tugaw  
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DEQ file/BC – [priscilla.woolverton@deq.oregon.gov](mailto:priscilla.woolverton@deq.oregon.gov)  
Brittany May, Linn County Environmental Health



# Linn County Department of Health Services

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*"Working together to promote the health and well-being of all Linn County residents"*

## Linn County Willamette River Basin TMDL Implementation Plan Annual Report For the period of Aug. 1, 2021 to July 31, 2022

August 31, 2022

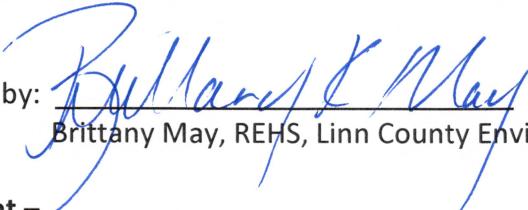
During the reporting period, Linn County completed the 14<sup>th</sup> year implementation period for the approved Willamette River Basin Total Maximum Daily Load (TMDL) Implementation Plan for Linn County. The attached TMDL Management Strategy Matrix provides the content, goals and status of this program. Any changes in status or completion of goals or objectives are indicated in the "Status" column.

In addition to the annual updates of the existing TMDL Management Strategy Matrix, the matrix has been updated to reflect the additional Mercury TMDL requirements. As many of the management strategies (both current and new) are applicable to managing multiple TMDL contaminants, the matrix layout has been updated to reflect the pertinent contaminants. All new management strategies added to comply with the Mercury TMDL are in red text. Any existing strategies that also apply to mercury reduction have been noted in red.

Focus within the next reporting period will be to continue the successful maintenance and operation of this plan and to complete planned projects.

For further information please contact:

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Brittany May, REHS, Environmental Health, (541) 967-3821, [bmay@co.linn.or.us](mailto:bmay@co.linn.or.us)  
Alyssa Boles, Planning Manager, Planning & Building, (541) 967-3816, [aboles@co.linn.or.us](mailto:aboles@co.linn.or.us)

Submitted by:  Date: 8/31/2022  
Brittany May, REHS, Linn County Environmental Health

**Attachment –**  
Annual Update of the TMDL Management Strategy Matrix - Willamette River Basin Total Maximum Daily Load (TMDL) Implementation Plan

Administration	Alcohol & Drug Treatment	Developmental Disabilities	Environmental Health	Mental Health	Public Health
M(541) 967-3888 F(541) 924-6904 <a href="mailto:tnoble@co.linn.or.us">tnoble@co.linn.or.us</a>	M(541) 967-3819 F(541) 967-7259 <a href="mailto:jthomas@co.linn.or.us">jthomas@co.linn.or.us</a>	M(541) 967-3890 F(541) 924-6905 <a href="mailto:ccliburn@co.linn.or.us">ccliburn@co.linn.or.us</a>	M(541) 967-3821 F(541) 924-6904 <a href="mailto:ssanderson@co.linn.or.us">ssanderson@co.linn.or.us</a>	M(541) 967-3866 F(541) 928-3020 <a href="mailto:tthompson@co.linn.or.us">tthompson@co.linn.or.us</a>	M(541) 967-3888 F(541) 926-2102 <a href="mailto:ssanderson@co.linn.or.us">ssanderson@co.linn.or.us</a>

**Linn County Environmental Health**

Source	Pollutant	Management Strategy	Implementation Measures	Implementation Resources	Progress Measures	Timeline	Milestone	Status
Failing septic systems	Bacteria	Ensure repair of failing systems.	Respond to reports of failing systems; Work with homeowner to set a timeline for repair; Use existing enforcement methods to gain compliance	Currently funded in budget	Track #s using complaint and permit databases	Ongoing	N/A	<b>Ongoing</b> - 57 repair permits for failing septic systems have been issued during this time period. 12 complaints of sewage discharge have been received. 5 have come into compliance, 7 are in progress.
		-Low cost loan program for septic system and household repairs implemented by DevNW -Additional loan program for septic system repairs operated by Craft3 in partnership with DEQ	Provide information to homeowners about the programs	Currently funded via grant funds through DevNW and Craft3	Obtain data from DevNW and Craft3 to track the number of systems repaired using this program Track counties efforts to provide information to homeowners about the programs	Ongoing	N/A	<b>Ongoing</b> - No system were repaired during this time period using funds from DevNW of Craft3..
		Educate homeowners about system maintenance and how to detect failures.	Provide written material with CSC Provide information on septic system maintenance on our website: <a href="https://linncountyhealth.org/eh">linncountyhealth.org/eh</a>	Printing costs Staff time to create materials and update website	Track #s mailed Track website view metrics	Ongoing, updating materials as needed	N/A	<b>Ongoing</b> - 186 CSC's were issued during this time period. For every CSC issued, written information on septic system maintenance is provided, or the system is part of our ongoing Operations and Maintenance Program. Septic system maintenance information is available on our website at <a href="https://www.linncountyhealth.org/eh/page/septic-system-maintenance">https://www.linncountyhealth.org/eh/page/septic-system-maintenance</a> This site has been accessed 98 times during the reporting period - an increase from the previous reporting period.
		Ensure that selected residential and commercial systems are properly maintained.	Provide annual inspection or certification review for holding tanks, ATTs, sand and gravel filters, and low pressure distribution systems.	Currently funded in budget	Track inspections, certification reviews and compliance actions in database	Ongoing	N/A	<b>Ongoing</b> - We annually review O&M reports of all systems in this program; currently, as of July 31, 2022, there are 471 such systems being reviewed in Linn County.
		Identify legacy septic systems (those which predate permit records) within urban grown boundaries and rural community centers. Work with Cities on those systems which will require connection to City services	As reports of failing systems are received, work with the City to determine the location of services and the ability to connect.	Currently funded in budget	Track number of systems connected to City services each year	Ongoing	N/A	<b>Ongoing/Incomplete</b> - The number of legacy systems which have connected to city services is unknown at this time. A reliable method of tracking these systems needs to be developed. As many of these systems do not get to the application stage with our office, we do not currently have a method to track them.
Unidentified non-point sources	Bacteria	Participate in collaborative efforts with DEQ, ODA, cities, and allied agencies to respond to complaints, including unidentified non-point sources of bacterial contaminants	Respond to citizen complaints. Contact agencies with shared jurisdiction and coordinate response.	Not currently funded in budget; larger projects may require grant funding	Track complaints received, follow-up actions and enforcement	Ongoing as complaints are received	N/A	<b>Ongoing</b> - No complaints requiring joint agency response were received during this time period.
Household Hazardous Waste (HHW) and Conditionally Exempt Small Quantity Generations (CESQGs)	Mercury	HHW collection events provided by Solid Waste franchises in accordance with their franchise application and agreement.	Continue to work with solid waste franchise to provide HHW collection events.	DEQ solid waste grants, current budget, and rate base	Review amounts of material recovered as provided by the Oregon Material Recovery Survey	Ongoing	Franchise agreements are reviewed on an annual basis to determine compliance	<b>Ongoing</b> - The 2020 DEQ Material Recovery and Waste Generation Summary for Linn County was reported on June 13, 2022. In 2018, 0.013 Tons of Mercury were recovered, 0.034 Tons in 2019, none in 2020.

### Linn County Parks and Recreation

Source	Pollutant	Management Strategy	Implementation Measures	Implementation Resources	Progress Measures	Timeline	Milestone	Status
Public Parks	Bacteria	Monitor on-site waste water system in all public facilities	<ul style="list-style-type: none"> <li>Annual inspection &amp; reporting of system status</li> </ul>	Existing budget	<ul style="list-style-type: none"> <li>Compliance with allowable waste strength limits through annual testing</li> </ul>	Ongoing and Additional tankage was the River Bend system in 2020. We will add additional tankage at Sunnyside by 2025.	Current, annual reporting to DEQ under WPCF permits. Confirm completion of annual requirements.	<b>Annual reporting completed. We are monitoring and reporting our waste water sampling to DEQ and will determine if any additional action is necessary. Sunnyside County Park we replaced our largest restroom with one that is smaller and has higher efficiency fixtures, which use less water than the previous restroom. A vault toilet was added at Upper Whitcomb which should reduce the amount of human waste going into Green Peter Reservoir.</b>
		Limit and control pet waste	<ul style="list-style-type: none"> <li>In parks with high visitation we have constructed pet-off leash areas where pet waste can be easily cleaned up.</li> <li>Educate public through signage about cleaning up after pets.</li> </ul>	Existing budget	<ul style="list-style-type: none"> <li>Staff will monitor and confirm the refill pet waste bags weekly or as needed. Confirm annually that pet waste signs are still in place.</li> </ul>	Ongoing- Staff will confirm the ongoing cleanup of pet waste.	Staff confirmation that pet waste is not a significant sanitary issue in the Parks.	<b>confirmed Pet waste stations stocking. Bags are being used and staff is restocking bag stations. A new pet waste station was added at Clear Lake Resort.</b>
		Reduce human waste entering water ways	Provide floating restrooms on water ways and pump out stations at boat ramps	We receive annual funding from the Oregon State Marine Board	<ul style="list-style-type: none"> <li>Confirm maintenance of floating restrooms in high use areas. Use door counter to confirm the amount of public use.</li> </ul>	Additional tankage to the River B	Ongoing. This information is reported annually to the Oregon State Marine Board. Confirm report to OSMB.	<b>Floating restroom were installed , maintained and pumped. Annual reporting to the Oregon State Marine Board was completed.</b>
		Decrease angling waste entering waterways	Empty Fishing line recycling tubes, replace as necessary	Existing budget and grants, volunteers and agency partnering	<ul style="list-style-type: none"> <li>Replace and maintain cleaning stations, and receptacles for recycling fish line. add 5 new fishing line tubes in the next 5 years</li> </ul>	Ongoing; annual review. Add 5 stations between 2020 and 2025	Sign in all park facilities. Add 5 stations between 2020 and 2025	<b>Ongoing- Fishing line stations were cleaned and maintained.</b>
		Maintain Public Restrooms in Park Areas	Maintain rest areas with restrooms	Existing Budget	<ul style="list-style-type: none"> <li>Track and document that restrooms are adequately maintained</li> </ul>	Ongoing; annual review	Ongoing	<b>Ongoing- Restrooms are cleaned a minimum of three times per week during the main camping season and twice per week in the off-season</b>
		Provide Porta-potties in parks that do not have permanent restrooms	Rent porta-potty from local company for parks that do not have Restrooms	Existing Budget	<ul style="list-style-type: none"> <li>Confirm porta potties are located at necessary facilities.</li> </ul>	Ongoing; annual review	Have year round sanitary facilities at all Linn County parks.	<b>Ongoing- Confirmed Porta-potties were installed when necessary.</b>
		Provide Porta potties in parks during special events	Require Parks Special Use Permits for private parties holding special events to provide porta potties	Existing Budget	<ul style="list-style-type: none"> <li>Require port a potties (1/50 participants) The 1/50 is a new standard for implementation</li> </ul>	Add language requiring 1 potty per 50 people to all special use permits in 2020.	Confirm Special event porta potty policy has been implemented	<b>Confirmed special event require 1 porta-potty per 50 people.</b>
Public Facility Construction	Mercury	Use BMP's to limit runoff contaminates	<ul style="list-style-type: none"> <li>Where appropriate use silt fences, hay bales, and other silt containment devices.</li> </ul>	Existing budget	<ul style="list-style-type: none"> <li>Confirm proper implementation of BMPs; monitor storm water and runoff during construction for turbidity</li> </ul>	Ongoing	Ongoing	<b>Ongoing: Silt fencing was installed when constructing projects near waterway. Vegetation was planted to stabilize soil when projects were completed.</b>
		Provide training to county staff on proper BMP implementation	<ul style="list-style-type: none"> <li>Track and document that staff are trained on implementation of BMPs</li> </ul>		Annual Training	Ongoing	<b>Ongoing. Staff does annual training prior to construction season on BNP for erosion control and the proper installation of silt/erosion fencing.</b>	
Cars/Mass Transportation	Mercury	Promote carpooling, public transportation as a strategy to reduce mercury	Collect extra vehicle fees at all campgrounds	Funded from fees collected	<ul style="list-style-type: none"> <li>Limit the amount of extra vehicles in campgrounds. Confirm staff is limiting the extra vehicle parking</li> </ul>	Ongoing; annual review	Ongoing.	<b>Ongoing- We have added more no parking signs to limit the number of areas extra vehicles can park and we are collecting extra vehicle fees to encourage visitors to limit the number of vehicles they bring. We are now ticketing people for illegal parking which should encourage visitors to carpool due to overcrowding.</b>
Public Facility Design	Temperature, Mercury	Design Facilities to limit impacts on water ways	<ul style="list-style-type: none"> <li>Provide adequate buffer areas to water ways.</li> <li>Slope facilities to avoid direct unfiltered runoff.</li> <li>Utilize available technologies such porous asphalt and concrete.</li> </ul>	Grants	<ul style="list-style-type: none"> <li>Confirm State and county Planning and Building requirements are met when new facilities are installed or existing facilities are renovated</li> </ul>	Ongoing/New construction and renovations	Meet or exceed permit requirements.	<b>Ongoing-met planning and building requirements for facility design and construction.</b>
Fertilizer and pesticides	Temperature	Reduce dependency on fertilizers and pesticides in landscape areas	<ul style="list-style-type: none"> <li>Limit application of fertilizers and pesticides.</li> <li>Use alternative forms of weed control such as mechanical removal.</li> </ul>	Existing budget and grants	<ul style="list-style-type: none"> <li>Decrease the amount of fertilizer and pesticides applied annually</li> </ul>	Ongoing Annual monitoring of purchases and applications.	<ul style="list-style-type: none"> <li>Confirm documentation of the amount of of pesticides used. Eliminate or decreased use of pesticides</li> </ul>	<b>Ongoing- Confirmed that no fertilizers were used in the routine maintenance of the parks. Pesticide use was limited to removal of highly invasive species, such as Japanese Knotweed. Documentation of pesticides use was completed.</b>

### Linn County Planning and Building

Source	Pollutant	Management Strategy	Implementation Measures	Implementation Resources	Progress Measures	Timeline	Milestone	Status
Stormwater from Residential, Commercial, and Industrial Development	Bacteria, Mercury	Collect and treat stormwater with infiltration, filtration, and detention on-site	Require 1200C Permits for development disturbing one acre or more.	Existing budgets and development permit review.	For qualifying projects, verify a 1200C permit is obtained prior to the issuance of development permits.	Ongoing	N/A	<i>No building permits requiring a 1200C were accepted during the 2021-2022 reporting period</i>
			Require Geotechnical Engineering Report identifying site stabilization measures for development within geohazard areas.	Existing budgets and development permit review.	Review geotechnical engineering reports as required; Include site stabilization measure in building permit requirements.	Ongoing	N/A	<i>Reviewed with every building permit.</i>
			Limit development and ensure compliance with development standards within the Willamette River Greenway and Aggregate Resource Overlays.	Existing budgets and development permit review.	Review land use and building permit applications for Code compliance; Include permit conditions as needed.  Track variances that the county approves for development standards and approved conditional use permits in protected areas, e.g. Willamette Greenway.	Ongoing	N/A	<i>One permit was issued within the Willamette River Greenway Overlay during this review period. No permits were issued within the ARO zoning during this review period.</i>
			Provide erosion control and stormwater BMP training to County building inspection staff.	Existing training budget.	Obtain and provide EPA and DEQ BMP publications. Conduct field training.	Ongoing	N/A	<i>All Linn County Building Inspectors are currently trained on stormwater BMP and erosion control. The building inspectors remain up-to-date on their continuing education requirements.</i>
			Provide erosion control and stormwater BMP education to contractors and the public.	Existing personnel and materials and services budgets	Develop handouts and provide erosion control and stormwater BMP informational materials to contractors and the public.	Ongoing	Educational materials provided during permitting process and online, to be complete within the year	<i>The County is in the process of updating educational materials to be provided during the permitting process and online.</i>
			Publish erosion control and stormwater BMP information on County website.	Existing personnel and materials and services budgets	Development and publication of educational material; Development of erosion control and prevention web page.	Years 1-2: Develop and publish educational material; provide educational handouts with development permits and to the public; post the Current TMDL Plan, educational material, and related external links on County web site. Years 1-5: Review handouts and web page annually to ensure educational material and links are up-to-date.	Publication of development material; Development and maintenance of County erosion control and prevention web page.	<i>A draft erosion control and stormwater permit application is under review and is expected to be in use by 2023. The Department website will be updated to include educational materials for the public.</i>

### Linn County Planning and Building

Source	Pollutant	Management Strategy	Implementation Measures	Implementation Resources	Progress Measures	Timeline	Milestone	Status
Stormwater from Residential, Commercial, and Industrial Development Cont.	Bacteria, <b>Mercury</b>	Ensure Comprehensive Plan and Land Development Codes are consistent with State and Federal stormwater regulations.	Amend Plan and Land Development Codes as needed.	Not funded	Monitor adoption of new State stormwater regulations.	Ongoing	County adopted Title V requiring compliance with state and federal regulations; Road Department BMP's included in Land Development Code Chapter 935.	<i>The County Comprehensive Plan and Land Development Codes are up-to-date with State stormwater regulations. Continued yearly Plan and Code review is ongoing to ensure compliance.</i>
	Bacteria	Ensure that all permitted development is properly connected to an approved method of sewage disposal as needed.	Coordinate development permit sign-off with EHP/DEQ agent; withhold certificate of occupancy until verification of EHP/DEQ compliance.	Existing budgets and development permit review.	Plumbing permits issued	Ongoing; annual review	N/A	<i>All development requiring a sewage disposal system must provide evidence of an Environmental Health Program/DEQ authorization and permit prior to acceptance and review of the development permit. All plumbing installations are inspected and require EHP/DEQ verification of satisfactory completion prior to finalizing the permit.</i>
Erosion from residential, commercial and industrial development	Mercury	Limit erosion and mitigate the impacts of land disturbance on water quality.	Limit land disturbance activities; implement the Linn County Fill and Excavation Code; monitor 1200C permitting; use BMPs for fill and excavation activities.	Existing budgets and development permit review.	Require and track fill and excavation permits pursuant to Linn County Code; report numbers of fill and excavation permits issued; refer developments disturbing one acre or more to DEQ to ensure compliance with 1200C requirements.	Ongoing; annual review	N/A	<i>The County issued four (4) fill and excavation permits during this review period.</i>
Solar radiation input due to loss of riparian shading	Temperature	Protect riparian and wetland areas and buffers from vegetation loss.	Implement Comprehensive Plan and Land Development Code provisions for riparian and wetland protection.	Existing budgets and development permit review.	Review land use and building permits for compliance with riparian and habitat protection requirements.	Ongoing	N/A	<i>The County issued three (3) variance permits for construction within 50 feet of an inventoried wetland boundary.</i>
					Track variances and conditional use permits that allow development within defined 50 foot and 100 foot riparian buffers.			<i>Riparian habitat setback variance permits are not issued for and do not permit development within a riparian area. The County coordinates with DSL and ODFW on all riparian setback variance requests and incorporates DSL/ODFW concerns into the variance permit decision and permit conditions.</i>
			Support watershed councils on waterway improvement projects.	Existing budgets and development permit review.	Review proposed watershed improvement projects for compliance with the Comprehensive Plan and Land Development Code; Recommend measures and processes to achieve compliance as needed.	Ongoing	Review and issue Land Use Compatibility Permits and other County permits.	<i>The County has approved three (3) LUCS's for waterway improvement projects during the review period.</i>
				Track assistance provided to watershed councils and reviews completed on an annual basis			<i>No watershed councils requested Department assistance for projects within Linn County during the 2021-2022 reporting period.</i>	
Unidentified non-point sources	Bacteria, Temperature, <b>Mercury</b>	Protect natural drainage systems and limit surface water runoff.	Implement Comprehensive Plan, Floodplain Management Code, and Building Code provisions relating to drainage and surface water.	Existing budgets and development permit review.	Review and track land use and building permits to ensure compliance with the Floodplain Management Code; Building Codes relating to drainage course maintenance; grading permits; and fill and excavation permits.	Ongoing	Enforcement of Floodplain Management and Drainage Code requirements; Review and Issue Floodplain Permits and Grading Permits as Required.	<i>The Linn County Floodplain Manager reviews every building permit application and ensures compliance with the Floodplain Management Code.</i>

### Linn County Roads

Source	Pollutant	Management Strategy	Implementation Measures	Implementation Resources	Progress Measures	Timeline	Milestone	Status
Stormwater from roadside camping	Bacteria	Eliminate Roadside Camping	Close sites and/or develop, design and construct alternate facilities	Existing budgets and personnel	Enforcement by Linn County Sheriff	Ongoing	11 Sites were closed in 2017	<i>No specific update</i>
Illicit Discharges	Bacteria, Mercury	Train employees and develop BMPs so as to prevent illicit discharges from occurring	Respond to any complaints and conduct visual inspections during routine road and bridge maintenance activities	Existing budgets and complaint review personnel	Document and track complaints, violations and corrective action taken	Ongoing	N/A	<i>No complaints or violations were encountered this reporting period.</i>
Driveway, access and utility permits - Stormwater from Residential, Commercial, Industrial and agricultural Development	Bacteria, Mercury	Collect and treat stormwater in ditches, detention and stormwater facilities and eliminate site runoff	Require stormwater plans and reports are approved and any special conditions are included in the access permit conditions	Existing budgets and permit review personnel	Verify all permit conditions are met prior to signing the permit acceptance	Ongoing	N/A	<i>Proposed new roads, accesses and driveways are continually reviewed as part of the permit program. In this reporting period there were 250 driveway/access permits issued and 187 utility permits issued.</i>
		Educational Outreach	Provide educational materials in permit	Existing budgets and permit review personnel	Verify all permit conditions are met prior to final signatures and acceptance of the permit	By September 1, 2023		<i>Some work has been completed on preparing educational materials to be included with permits</i>
County maintenance - Stormwater from routine road and bridge maintenance activities	Bacteria, Mercury	Collect stormwater in ditches and eliminate site runoff	Provide erosion control and stormwater BMP training to County maintenance staff	Existing budgets and maintenance personnel	Erosion control and pollution control reports are completed and filed	Ongoing	N/A	<i>Continued training, reporting and inspection. In this reporting period, there were 8 projects where erosion control measures were installed and monitoring and reporting was conducted.</i>
Construction Projects - Stormwater from road and bridge improvement project construction	Bacteria, Mercury	Collect and treat stormwater in ditches, detention and stormwater facilities and eliminate site runoff	Provide erosion control plans and specifications to contractors. Contractor provides pollution control plans and work containment plans.	Existing budgets and project management personnel	Contractor submits weekly Erosion control reports and County certified inspectors document EC, pollution control and containment compliance on daily inspection reports	Ongoing	N/A	<i>Continued training, certification, reporting and inspection. There were 4 projects under construction this reporting period. All 4 projects were monitored and reports prepared. No violations or site runoff was observed.</i>
	Mercury	Collect and test soils for road and bridge improvement project construction	Collect and test soil samples	Existing budgets and project management personnel	Consultants provide test results, reports and recommendations for soil removal and disposal. These recommendations are included in the specifications for the contractor	Ongoing	N/A	<i>Continued collection, sampling, testing and reporting.</i>

### Linn County Roads

Source	Pollutant	Management Strategy	Implementation Measures	Implementation Resources	Progress Measures	Timeline	Milestone	Status
Streams Adjacent to County Roads	Temperature, Mercury	Maintain vegetation and trees near streams and rivers when possible regarding road and bridge maintenance and improvement projects.	BMPs have been developed and integrated into Road Department operations which require compliance with local, state and federal regulations	Existing budgets and personnel	BMPs have been developed and adopted and are ongoing.	Ongoing	N/A	<i>Proposed new roads, accesses and driveways are continually reviewed as part of the permit program that includes that owners maintain trees and vegetation near streams and rivers.</i>  <i>For this reporting period no trees were removed adjacent to the creek for the one bridge rehabilitation project. At completion of the project, new trees will be planted and establishment will be monitored.</i>
Riparian Preservation and Enhancement	Temperature, Mercury	Develop, design, and construct restorations	Partnerships with Watershed Councils, Soil and Water Conservation District, and Linn County Improvement Projects	Existing budgets and personnel	Project implementation	Ongoing	N/A	<i>For this reporting period no trees were removed adjacent to the creek for the one bridge rehabilitation project. At completion of the project, new trees will be planted and establishment will be monitored.</i>
		Riparian Vegetation Inventory	The GIS aerial maps combined with Google Earth provides a Riparian Vegetation Inventory for all road corridors that are used to design and construction improvements for stormwater collection management and treatment. It is also used to document activity on adjacent private and public lands.	Existing budgets and personnel	GIS department continued website updates	Ongoing	N/A	<i>No specific update</i>
		Post Construction Ordinance and Plan for meeting predevelopment hydrology, and riparian vegetation	Linn County Drainage and Flood Code and Development Code. Enforced through LCRD Access, Driveway, and Development permit program. (Linn County Code 935)	Existing budgets and personnel	Verify all permit conditions are met prior to signing the permit acceptance. Track permit violations and enforcement actions	Ongoing	N/A	<i>There were not any permit violations and/ or required follow-up actions during the reporting period.</i>
		Educational Outreach	In partnership with Watershed Councils and Soil and Water Conservation District and South Santiam Area Management program as well as for separate Linn County projects and through the Linn County permit program.	Existing budgets and personnel	Continue engagement with private and public entities	Ongoing	N/A	<i>No specific assistance was provided during the reporting period. Linn County Road Department continues to meet and work with the Watershed Councils and Soil and Water Conservation District.</i>

### Linn County - All Departments

Management Strategy	Pollutant	Implementation Measures	Implementation Resources	Progress Measures	Timeline	Milestone	Status
Public education and outreach	Bacteria, Mercury, Temperature	Develop/maintain/update educational materials to be provided with appropriate permit applications by Department and posted to the Linn County TMDL website: <a href="http://www.linncountyhealth.org/eh/page/tmdl">www.linncountyhealth.org/eh/page/tmdl</a>	Existing Budgets	Track materials created and provided with permit applications; track website view metrics	Ongoing; updating materials as needed	N/A	
Enforcement of prohibited pollutants - All Departments	Bacteria, Mercury, Temperature	Respond to reports of contamination and utilize the appropriate Linn County Code to gain compliance : Enforcement Code (LCC 240), Fill and Excavation Code (LCC 850), Solid Waste Disposal & Nuisance Code (LCC 531); Forest - Park System Code (LCC 610); Access Improvement Code (LCC 935). An additional complaint report form has been added to the TMDL website ( <a href="http://www.linncountyhealth.org/eh/page/tmdl">www.linncountyhealth.org/eh/page/tmdl</a> ) for reporting specific TMDL concerns.	Existing Budgets	Document and track complaints in applicable department databases. Forward complaints received through the TMDL website to the appropriate Department for response. Track numbers of complaints received through the website.	Ongoing; annual	N/A	
		Update County Codes as applicable to facilitate enforcement capabilities as needed	Existing Budgets	List ammended County Codes	September 1, 2023	N/A	