



Oregon

Kate Brown, Governor

Department of Environmental Quality

Western Region Eugene Office

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TTY 711

July 16, 2021

Kevin Fear
1515 Willow St.
Philomath, OR 97370

Re: Review and Approval of the 2021-2026 TMDL Implementation Plan Annual Report for City of Philomath

Dear Kevin Fear,

The Oregon Department of Environmental Quality has reviewed the Total Maximum Daily Load (TMDL) Implementation Plan submitted by the City of Philomath. The plan has been approved by DEQ, meeting the intent and the specific requirements of a TMDL Implementation Plan as specified in Oregon Administrative Rule 340-042-0080(3).

The Implementation Plan successfully builds upon existing efforts, and it will serve as a guide for the city's efforts to improve water quality for the 2021-2026 implementation plan cycle. The plan also outlines additional actions necessary to minimize pollution inputs into surface waters from heat energy (temperature), bacteria and mercury where Philomath has jurisdiction. The current 2021-2026 plan is also compliant with the new requirements of Revised Willamette Basin Mercury TMDL Water Quality Management Plan.

Thank you for your effort on the development of a Willamette TMDL Implementation Plan. We look forward to your continued involvement in TMDL implementation efforts in the Willamette Basin and to your ongoing commitment to improving water quality conditions. I would like to reaffirm that I am available as a resource to assist you as you move forward with TMDL implementation. Please feel free to contact me at (541) 687-7347 for assistance.

Best regards,

Priscilla Woolverton

Priscilla Woolverton
Willamette Basin Coordinator

ec: Zach Loboy, Watershed Manager, DEQ

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026

RECEIVING WATERS: Newton Creek, Marys River, Upper Willamette Basin

NPDES MS4c Phase II Permit; DEQ # 112241. EPA # ORS 112241

	Best Management Practice	Strategy	Measureable Goal	Performance Measure	Expected Timeline						Funding	Pollutant					Annual Status Update for 2021-22
					Ongoing	2021-22	2022-23	2023-24	2024-25	2025-26		Nutrients	Bacteria	Dissolved oxygen	Mercury	Temperature	
	Practices to help achieve Success in Stormwater Management	What specific practice is used to achieve results?	Specifically, how will this be done?	How will successful implementation be demonstrated?							Funding source and/or costs						Items completed/started this reporting year
#1 Pollution Prevention and Good Housekeeping for Municipal Operations	1A. Operations and Maintenance Manuals	Update Stormwater Master Plan	The City will utilize Westech Engineering, which is the City Engineer, to update the current Master Plan	Updated Master Plan		X					SDC Improvement Funds \$60,000	X	X	X	X	X	
		Review O & M Policies and Procedures	Review all storm related policies and procedures to ensure they are adequate and kept up to date	Documentation of Review	X						Stormwater Utility Fee*	X	X	X	X	X	
		Update O & M Policies and Procedures	Update any storm related policy or procedure that are identified in the review	Documentation of Update	X						Stormwater Utility Fee*	X	X	X	X	X	
		Update Street Sweeping Procedures	Review and update street sweeping procedure	Documentation of Update	X						Stormwater Utility Fee*	X	X	X	X		

*=Stormwater Utility Fee is total operating budget for stormwater. It includes materials and services which equals \$45,100 and a transfer to the Street Department for \$27,700 for labor for budget year 2021-22. Labor for Stormwater is tracked though the street department. Operational items and maintenance items are not tracked individually. Large projects that are contracted out are captured in the city Capital Improvement Plan.

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#1 Pollution Prevention and Good Housekeeping for Municipal Operations	1B. Operation and Maintenance Training	Train new staff in infrastructure and housekeeping procedures	Train new staff in stormwater maintenance duties in stormwater procedures	Track attendance on sign in sheet and identify type of training (subject matter)	X						Stormwater Utility Fee*	X	X	X	X	X	
		Provide monthly (8 a year minimum) stormwater training sessions on pertinent stormwater subjects	Monthly staff meetings will include time for stormwater training sessions .Various training methods will be used.	Track attendance on sign in sheet and identify type of training (subject matter)	X						Stormwater Utility Fee*	X	X	X	X	X	
	1C. Stormwater Infrastructure Maintenance	Maintain stormwater infrastructure	Catch basin inspection and cleaning	Track number of catch basins inspected and cleaned each year and sediment depths in each.	X						Stormwater Utility Fee*	X	X	X	X		
			Storm line inspection and cleaning	TV inspect stormlines and track footage inspected and cleaned.	X						Stormwater Utility Fee*	X	X	X	X		
			Storm manhole inspection and cleaning	Track number of man holes inspected, cleaned and repaired each year.	X						Stormwater Utility Fee*	X	X	X	X		
			Installation of stormwater awareness messages on all new catch basins.	Install medallions on catch basins that do not have stormwater message cast into basin	X						Stormwater Utility Fee*	X	X	X	X		
			Sweep all paved city streets per city policy	Track sweeping mileage and/or debris removed from streets	X						Street Utility Fee/Gas Tax/ Stormwater Utility Fee*	X	X	X	X		
			Clean and organize Public Works Compound	Monthly assign a minimum of one person to ensure the Compound is not contributing to stormwater pollution	X						Water Fund Sewer Fund Street Utility Fee Stormwater Utility Fee*	X	X	X	X		

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#1 Pollution Prevention and Good Housekeeping for Municipal Operations	1C. Stormwater Infrastructure Maintenance	Pet and animal waste	Enforce Animal Sanitation ordinance 6.10.080, 6.10.050 (B), and 13.40.170 and any other pertinent ordinance, and facilitate animal sanitation practices	Continue to enable enforcement actions for compliance and track and document violations and enforcement actions	X						Stormwater Utility Fee* Park Fund	X	X	X			
			Provide bio-degradable pet waste bags at pet stations at all city parks and trails.	Track number of bags or cost of maintaining pet waste stations	X						Stormwater Utility Fee* Park Fund	X	X	X			
			Enforce Wildlife ordinance PMC 6.11.030 to 6.11.060	Track violations and enforcement actions	X						Stormwater Utility Fee* Police Fund	X	X	X			
			Work with the city attorney to review the current ordinances.	By reviewing the ordinances and making sure they are still pertinent to the cause and enforceable.			X				Stormwater Utility Fee*	X	X	X	X	X	
		Watershed Management	Inspect city controlled riparian areas regularly	Document violations and corrective actions	X						Stormwater Utility Fee* Park Fund	X	X			X	
			Inspect city controlled riparian areas after each windstorm.	Document issues	X						Stormwater Utility Fee* Park Fund	X	X			X	
			Tree Protection Ordinance (Riparian setback)	Track and document violations and enforcement of PMC 18.55.020(B)	X						Stormwater Utility Fee* Park Fund	X	X			X	
			Wetland, riparian, native vegetation area protection	Track and document violations and enforcement of PMC 18.55.050	X						Stormwater Utility Fee* Park Fund	X	X	X	X	X	

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	Practices to help achieve Success in Stormwater Management	What specific practice is used to achieve results?	Specifically, how will this be done?	How will successful implementation be demonstrated?							Funding source and/or costs						Items completed/started this reporting year
#1 Pollution Prevention and Good Housekeeping for Municipal Operations	1C. Stormwater Infrastructure Maintenance	Watershed Management	Use enforcement and other measures to maintain stream vegetation.	Track and document violations and enforcement of PMC	X						Stormwater Utility Fee* Park Fund	X		X	X		
			Wetland Protection Ordinance	Track and document violations and enforcement of PMC 18.55.020(A)	X							X	X	X	X	X	
			Increase shade along city streams	Track number of trees planted and monitor survival rate	X						Stormwater Utility Fee* Park Fund					X	
			Assess stream health and canopy cover to focus on restoration efforts	Document locations that are identified as restoration candidates and develop timeline for implementation	X						Stormwater Utility Fee* Park Fund	X	X	X	X	X	
			Provide support for invasive weed removal	Continue supporting Marys River Watershed Council on their efforts to discover and remove invasive weeds							Stormwater Utility Fee* Park Fund	X		X			
			Monitor high use areas along the frontage to Marys River through town Supply a dumpster during summer months for trash used by river users at outskirts of Marys River Park.	Track waste management monitoring and assess whether waste services provided meet needs	X						Stormwater Utility Fee* Park Fund	X	X	X	X	X	
			Tree Planting Program	Through the inspections of the Riparian areas and public owned properties and right-of-ways, planting and replacing trees as needed	X						Stormwater Utility Fee* Park Fund Street Fund/Gas Tax					X	

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	Practices to help achieve Success in Stormwater Management	What specific practice is used to achieve results?	Specifically, how will this be done?	How will successful implementation be demonstrated?							Funding source and/or costs						Items completed/started this reporting year
#1 Pollution Prevention and Good Housekeeping for Municipal Operations	1C. Stormwater Infrastructure Maintenance	Watershed Management	Work with the city attorney to review the current ordinances.	Complete review and identify potential regulatory gaps related to water quality			X				Stormwater Utility Fee*	X	X	X	X	X	
			Ensure that city-owned or operated facilities with industrial activity identified in DEQ's 1200-Z Industrial Stormwater General Permit have coverage under this permit	Contact DEQ 1200-Z program if city receives complaint/ report or finds an unpermitted industrial activity(s) identified in the 1200-Z permit	X						Stormwater Utility Fee*	X	X	X	X		
			Sample stormwater	Sample stormwater monthly at select locations for DO, pH, Temperature, Turbidity and occasionally for other parameters.	X						Stormwater Utility Fee*	X	X	X	X	X	

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#2 Public Education and Outreach	2A. Stormwater Education	Website Education	Provide general stormwater information, website links to surrounding MS4's, EPA, DEQ, past and present TMDL & NPDES plans and report. Current useful Stormwater updates.	Maintain relevant and current information on website	X						Stormwater Utility Fee*	X	X	X	X	X	
		Social Media Education	Monthly stormwater "blurbs" (tips, BMP's and news) posted to City social media account.	Receipts from postings to city social media site(s)	X						Stormwater Utility Fee*	X	X	X	X	X	
		City Newsletter Education	Stormwater tips, BMP's, seasonal information, etc. sent out in city newsletter.	Newsletters includes SW and WQ info	X						Stormwater Utility Fee*	X	X	X	X	X	
		Consumer Confidence Report	Include stormwater education in the City's annual Consumer Confidence Report for water.	Provide website links to the annual Consumer Confidence report.	X						Stormwater Utility Fee*	X	X	X	X	X	
		Door Hangers	Hang SW informational door hangers on each resident in Philomath	Document number of door hangers distributed	X						Stormwater Utility Fee*	X	X	X	X	X	
		City Council Awareness	Include TMDL and NPDES reports to the City Council	TMDL Plan and NPDES reports will be included in Council packets at least once a year	X						Stormwater Utility Fee*	X	X	X	X	X	
		Public Outreach	Team with Benton County to reach broader area of people through their many events	Host or contribute to 1 or 2 Outreach items a year.	X						Stormwater Utility Fee*	X	X	X	X	X	

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#2 Public Education (Cont.)		Public Outreach	Annually evaluate at least one outreach/ education effort within the reporting period	Use assessment tools to qualitatively evaluate success of outreach/ education effort	X						Stormwater Utility Fee*						
		Educate developers and builders of construction site BMP's	Each developer or builder will receive a BMP brochure with their building permit prior to any ground disturbance	Document number of complaints or enforcement actions taken.	X						Stormwater Utility Fee*	X	X	X	X	X	

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#3 Public Involvement and Participation	3A. Stormwater Funding	Maintain a stormwater utility fee	Through budgeting and public budget hearings.	Receiving budgetary funds for stormwater maintenance.	X						Stormwater Utility Fee*	X	X	X	X	X	
	3B. Public Participation in Stormwater Reporting	Provide mechanism to report stormwater, illicit discharge and erosion issues	Provide email link on City Website for reporting stormwater issues and inform community members that reporting can be done by email from city website	Track and document reports	X						Stormwater Utility Fee*	X	X	X	X	X	
	3C. Public Participation in Watershed management	Increase shade along city streams	Work independently or with schools and other groups to plant and maintain trees along streams.	Track number of trees planted and monitor survival rate	X						Stormwater Utility Fee* Park Fund					X	
		Assess stream health and canopy cover to focus on restoration efforts	Use city arborist and outside groups to assess streams yearly	Document locations that are identified as restoration candidates and develop timeline for implementation	X						Stormwater Utility Fee* Park Fund					X	
		Replace and expand vegetation	Use inspections to note downed and damaged trees and other vegetation	Document locations that are identified as restoration candidates and develop timeline for implementation	X						Stormwater Utility Fee* Park Fund	X				X	

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#4 Illicit Discharge Detection and Elimination	4A. IDDE Staff Training	Train employees in illicit discharge investigation and spill response.	Provide training to staff that will respond to spills and investigations.	Documentation of sign-in sheets.	X						Stormwater Utility Fee*	X	X	X	X	X	
		Provide basic training to city staff in other departments.	A minimum of every 2 years other city staff will be instructed on IDDE's	Documentation of sign-in sheets.	X						Stormwater Utility Fee*	X	X	X	X	X	
	4B. Implementation of IDDE Plan	Maintain authority for enforcement of illicit discharge violations.	Enforce IDDE ordinance PMC 13.40.150 to 13.40.330.	Track and document illicit violations and enforcement actions.	X						Stormwater Utility Fee*	X	X	X	X	X	
			Work with the city attorney to review the current ordinances.	By reviewing the ordinances and making sure they are still pertinent to the cause and enforceable.			X				Stormwater Utility Fee*	X	X	X	X	X	
		Plan and procedure for detecting illicit discharges.	Continue to use procedure plan and worksheets to detect illicit discharges.	Track and document illicit violations and enforcement actions.	X						Stormwater Utility Fee*	X	X	X	X	X	
			Inspect all outfalls, detention basins and flow control structures yearly	Documentation of all inspections	X						Stormwater Utility Fee*	X	X	X	X	X	

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#4 Illicit Discharge Detection and Elimination	4B. Implementation of IDDE Plan	Spills and Illicit Discharges	Conduct illicit discharge investigations	Track and document reports of illicit discharges	X						Stormwater Utility Fee*	X	X	X	X	X	
			Respond to Spills	Track location of spills with field response worksheet	X						Stormwater Utility Fee*	X	X	X	X	X	
			Maintain up to date Stormwater conveyance systems maps	By confirming that maps are up-to-date	X						Stormwater Utility Fee*	X	X	X	X	X	
			update stormwater outfall map as needed	Inventory and document all outfalls and their characteristics yearly.	X						Stormwater Utility Fee*	X	X	X	X	X	
			Maintain authority to require Sewer Hookup by Enforcing Sewer Ordinance PMC 13.20.060	Track and document violations and enforcement actions	X						Stormwater Utility Fee*	X	X	X	X		
		Illegal Dumping	Identify illegal dumps; respond to reports of illegal dumps.	Track number of calls or contacts along with number of citations issued and resolution	X						Stormwater Utility Fee*	X	X	X	X		
			Provide opportunity for citizens to dispose of junk at no cost.	Document disposal events	X						Stormwater Utility Fee* Park Fund Street Fund/Gas Tax	X	X	X	X		
			Police department provides a drug collection bin and also participates in county wide drug take back events.	Document disposal events	X						Police Fund	X	X	X	X		
			Work with the city attorney to review the current ordinances.	By reviewing the ordinances and making sure they are still pertinent to the cause and enforceable.			X				Stormwater Utility Fee*	X	X	X	X	X	

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#5 Construction Site Runoff Control	5A. Construction site sediment control policy	Review and update Construction Site Runoff Control Policy	Work with Benton County to review and update their Construction Site Runoff Control Policy	Benton County adopting the new policy.			X				Stormwater Utility Fee*	X	X	X	X		
			Adopt Benton County Construction Site Runoff Control Policy by resolution	City Council adopts Construction Site Runoff Control Policy by Benton County			X				Stormwater Utility Fee*	X	X	X	X		
			Continue Intergovernmental Agreement with Benton County to implement the policy in Philomath	By keeping IGA intact		X					Stormwater Utility Fee*	X	X	X	X		
	5B. Construction site sediment control Education	Provide educational instruction and/or educational materials to key persons	Each developer or builder will receive a BMP brochure with their building permit prior to any ground disturbance	Track building permits and development permits issued and confirm educational materials are provided		X					Stormwater Utility Fee*	X	X	X	X	X	
			Developers and their engineers and contractors are required to attend a Pre-design meeting and a Pre-construction meeting.	Track warnings or citations issued during construction.		X					Stormwater Utility Fee*	X	X	X	X	X	
			Train staff on basics of construction site sediment control and when to make enforcement referrals	Track referrals of issues to Benton County for enforcement.		X					Stormwater Utility Fee*	X	X	X	X	X	
		Refer project sites to DEQ for sites that are one or more acres	Include 1200-C fact sheet to developers prior to issuing building permit; confirm permit coverage was obtained if required	Confirm 1200-C fact sheet provided in each permit packet		X					Stormwater Utility Fee*	X	X	X	X		

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	Practices to help achieve Success in Stormwater Management	What specific practice is used to achieve results?	Specifically, how will this be done?	How will successful implementation be demonstrated?							Funding source and/or costs						Items completed/started this reporting year
#5 Const. Site (cont.)		Require sediment and erosion control plan for construction sites that are ½ acre or larger if not already covered under DEQ’s 1200-C permit.	IGA w/ Benton identifies Benton as responsible for permitting and inspections. Refer observed or reported sediment and erosion control issues to Benton County	Track referrals and enforcement actions	X						Stormwater Utility Fee*						

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#6 Post-Construction Site Runoff for New Development and Redevelopment	6A. Post-Construction site Runoff Control policy	Review and update Post-Construction site Runoff Control policy	Work with Benton County to review and update their Post-Construction site Runoff Control policy	Benton County adopting the new policy.	X						Stormwater Utility Fee*	X	X	X	X	X	
			Adopt Benton County Construction Site Runoff Control Policy by resolution	City Council adopts Construction Site Runoff Control Policy by Benton County	X						Stormwater Utility Fee*	X	X	X	X	X	
			Continue Intergovernmental Agreement with Benton County to implement the policy in Philomath	By keeping IGA intact	X						Stormwater Utility Fee*	X	X	X	X	X	
	6B. Implementing Post-Construction site Runoff Control policy	Review and update stormwater Erosion Control standard detail drawings	Review and update as-needed, the Erosion Control detail drawings to keep with best current practices	By documenting review procedure	X						Stormwater Utility Fee*	X	X	X	X	X	
		Review and update stormwater BMP's that reduce stormwater runoff	Update, as-needed, the drawings of BMP's that reduce or eliminate stormwater runoff	Document assessment of BMPs and any resulting updates	X						Stormwater Utility Fee*	X	X	X	X	X	
		Require stormwater management for development and redevelopment	Continue stormwater plan submittals and plan reviews by Benton County regarding ESC.	Document number of construction plan submittals and plan reviews	X						Stormwater Utility Fee*	X	X	X	X	X	
			Continue providing requirements to developers, engineers and contractors during pre-construction meetings	Document number of construction plan submittals and plan reviews	X						Stormwater Utility Fee*	X	X	X	X	X	

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		Require stormwater management for development and redevelopment	Ensure that sites of ¼ acre or greater of new impervious surface have proper stormwater controls	Document number of sites over ¼ acre of new impervious surface.			X				Stormwater Utility Fee*	X	X	X	X	X	
#6 Post-Construction Site Runoff for New Development and	6B. Implementing Post-Construction site Runoff Control policy		Encourage developers and contractors to use the City's Low-Impact Development Manual as a guide to meet post-construction runoff standards.	Minutes from Pre-design and/or Pre-Application meeting. Track developers' use of LID and document increase over time	X						Stormwater Utility Fee*	X	X	X	X	X	
			Ensure the city has legal authority to access all stormwater controls for inspections and maintenance.	By obtaining easements and/or maintenance agreements.	X						Stormwater Utility Fee*	X	X	X	X	X	

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					Ongoing	2021-22	2022-23	2023-24	2024-25	2025-26		Funding source and/or costs	Nutrients	Bacteria	Dissolved oxygen	Mercury	
	Practices to help achieve Success in Stormwater Management	What specific practice is used to achieve results?	Specifically, how will this be done?	How will successful implementation be demonstrated?													Items completed/started this reporting year
#6 Post-Construction Site Runoff for New Development and Redevelopment	6B. Implementing Post-Construction site Runoff Control policy	Optimize Water Quality	Continue inspecting storm control structures post-construction	Conduct thorough inspections of storm control structures after construction is completed and again prior to end of warranty period.	X						Stormwater Utility Fee*	X	X	X	X	X	
			Include new storm control structures in routine inspection program	Structures will be added to all maps and documentation of inspections	X						Stormwater Utility Fee*	X	X	X	X	X	
		Introduce options	Include and encourage a Low Impact Development approach to new construction or re-development	During pre-application and pre-design meetings, encourage developers to consider LID	X						Stormwater Utility Fee*	X	X	X	X	X	
		Project tracking	Keep record of number of new developments with notes on LID incorporation and/or track by annual inspection sheet information	Structures will be added to all maps and documentation of inspections special notes to be made for LID for reports	X						Stormwater Utility Fee*	X	X	X	X	X	

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026

RECEIVING WATERS: Newton Creek, Marys River, Upper Willamette Basin

NPDES MS4c Phase II Permit; DEQ # 112241. EPA # ORS 112241

	Best Management Practice	Strategy	Measureable Goal	Performance Measure	Expected Timeline						Funding	Pollutant					Annual Status Update for 2021-22
					Ongoing	2021-22	2022-23	2023-24	2024-25	2025-26		Funding source and/or costs	Nutrients	Bacteria	Dissolved oxygen	Mercury	
# 7 General Storm measures	7A. General practices that include all measures	Use a stormwater fee to support stormwater program	Budget money in each budget year to satisfactorily fund the stormwater program and projects	Track and document stormwater program costs and budget for expenditures	X						Stormwater Utility Fee*	X	X	X	X	X	
		Communication for public	Provide email link and phone number on city website for reporting all stormwater issues	Respond as soon as complaint is received. Track and document reports and response actions/ time	X						Stormwater Utility Fee*	X	X	X	X	X	
		Create an Escalating Enforcement Response Procedure	Work with the city attorney and Benton County to create an Escalating Enforcement Response Procedure	Creating and enacting an Escalating Enforcement Response Procedure with Benton County to keep enforcement uniform.			X				Stormwater Utility Fee*	X	X	X	X	X	
		Provide funding update for TMDL implementation in annual reports	Provide update on any budget, fee or transfer changes that impact funding related to strategies in implementation plan; provide estimates from CIP for projects that address implementation plan strategies	Include funding updates in annual report	X	X	X	X	X	X		X	X	X	X	X	