



Oregon

Kate Brown, Governor

Department of Environmental Quality

Western Region Eugene Office

165 East 7th Avenue, Suite 100

Eugene, OR 97401

(541) 686-7838

FAX (541) 686-7551

TTY 711

August 17, 2022

Kevin Fear
1515 Willow St.
Philomath, OR 97370

Re: Review and Approval of the 2021-2022 TMDL Implementation Plan Annual Report for the City of Philomath

Dear Kevin Fear,

Thank you for submitting the City of Philomath 2021-2022 TMDL Implementation Plan Annual Report. I have reviewed your report and find that it complies with the annual reporting requirement.

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 woolverton.priscilla@deq.state.or.us or (541) 687-7347 for assistance.

Best regards,

Priscilla Woolverton

Priscilla Woolverton
Willamette Basin TMDL Coordinator

ec: Zach Loboy, Watershed Manager, DEQ

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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 (in red)
					Ongoing	2021-22	2022-23	2023-24	2024-25	2025-26		Nutrients	Bacteria	Dissolved oxygen	Mercury	Temperature	
#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	X				SDC Improvement Funds \$60,000	X	X	X	X	X	Westech Engineering the contracted city engineer for the city, is currently working to update the City Stormwater Master Plan with a completion date expected in the fall of 2022.
		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	All storm related policies and procedures were reviewed in September and October of 2021.
		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	1 plan was updated (IDDE Plan) the rest were found current.
		Update Street Sweeping Procedures	Review and update street sweeping procedure	Documentation of Update	X						Stormwater Utility Fee*	X	X	X	X		Reviewed and updated in June of 2021.

*=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.

2022-2023 Stormwater budget update: Materials and Services increase to-\$52,593 and Labor stayed at \$27,700.

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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	
#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	Trained one new hire in all aspects of the storm water programs.
		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	Provided 6 stormwater training sessions during the permit year.
	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		Inspected 154 City Catchbasins in west sector Inspected 90 Benton County Catchbasins Cleaned total of 33 of 33 Catchbasins Removed about 6 cu yds material
			Storm line inspection and cleaning	TV inspect stormlines and track footage inspected and cleaned.	X						Stormwater Utility Fee*	X	X	X	X		No lines identified to be cleaned.
			Storm manhole inspection and cleaning	Track number of man holes inspected, cleaned and repaired each year.	X						Stormwater Utility Fee*	X	X	X	X		No Storm Manholes inspected this year.
			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		All catch basins have either awareness medallions or have the message cast into the cover.
			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		Swept streets on as regular of a basis as possible. Electronics with the sweeper and waiting on parts interrupted sweeping schedule. I-pad tracking program is incomplete due to aux. power outage in sweeper.

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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

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

		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		Public Works compound was inspected and cleaned as needed on a monthly basis. Many times employees in early from job assignments did extra checks.
--	--	--	---	---	--	--	--	--	--	--	---	---	---	---	---	--	--

	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	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			No enforcement actions were noted this reporting period. On a side note the city is hiring a part time code enforcement officer after July 1, 2022 to enforce more city code that police officers don't always have time to do.
			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			Continued supplying pet waste bags at parks and trails. Used approx.. 12,500 bags this reporting period. Installed 4 additional "Clean up your dog poop" signs at park entrances
			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			No enforcement actions were noted this reporting period.
			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	Worked with city attorney and re-wrote and enacted updated city stormwater muni code. Worked with Benton County updating ESC and Post Construction codes as they enforce those codes through an IGA.
		Watershed Management	Inspect city controlled riparian areas regularly	Document violations and corrective actions	X						Stormwater Utility Fee* Park Fund	X	X			X	Inspected riparian areas on a regular basis. Usually on a minimum of every other week. Most city controlled areas are in city parks. No Violations
			Inspect city controlled riparian areas after each windstorm.	Document issues	X						Stormwater Utility Fee* Park Fund	X	X			X	Lost several branches from trees in various areas. Had to remove 2 dead trees.

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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

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

			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	One development meeting that resulted in a rejection due to encroachment on the riparian zone.
			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	Lost 6 trees along E. Newton Creek to an active beaver. Unfortunate(for the beaver) enforcement action was taken.

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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	
#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		No violations or enforcements were noted this reporting period.
			Wetland Protection Ordinance	Track and document violations and enforcement of PMC 18.55.020(A)	X							X	X	X	X	X	No violations or enforcements were noted this reporting period.
			Increase shade along city streams	Track number of trees planted and monitor survival rate	X						Stormwater Utility Fee* Park Fund					X	Replaced 2 trees along E. Newton Creek to replace 2 dead removed trees.
			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	Teamed with Marys River Watershed Council to plan and restore section of Newton Creek through City Park. Restoration is nearly complete. Planting trees is still pending.
			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			Benton Soil & Water Conservation District hosted an invasive weed removal project for Marys River Park on May 21, 2022. City provided materials and tools for clean-up.
			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	A dumpster was supplied and dumped as needed through the summer months of higher usage along Marys River Park.
			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	Lost approximately 25 of the 54 of the large cedar trees planted along the ditch on Chapel Dr planted last year. Waiting for a meeting with the school district on replanting these trees.

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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	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	Worked with the city attorney to re-write and enact new stormwater municipal codes.
			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		Currently no 1200-Z facilities.
			Sample stormwater	Sample stormwater monthly at select locations for DO, pH, Temperature, Turbidity and occasionally for other parameters.	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

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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
#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	Website has been updated with current information.
		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	Posted helpful tips and news on city's Facebook page.
		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	Had 4 storm related articles or notices in the city newsletter.
		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	Included a 2 ½ page stormwater educational message in the yearly Consumer Confidence Report.
		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	Not hung this reporting period.
		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	TMDL and NPDES report and acceptance letter included in the council packet when reports are accepted.
		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	Teamed with Benton County at Philomath Public Works for Arbor Day celebration. Approximately 130 3 rd graders from the Philomath grade school attended. Benton County had interactive displays, the benefit of trees was explained and students were able to pot a seedling tree to

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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

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

				<p>take home. Activity books were also handed out.</p> <p>Hired local artist to create 3 stormwater banners to hang on Hwy 20/34 through town on way to coast to remind them to "Keep stormwater clean as it flows to the ocean"</p>
--	--	--	--	--

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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	
#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*						The Arbor Day celebration is the item with the most feedback. Many parents and teachers attend. This year several parents employed by the City of Philomath have said that the storm displays made a big impression on their children. Teachers also followed up with the importance of trees and stormwater in the classroom discussions.
		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	Brochures for best BMP's for keeping construction material off the streets and out of the waterways, along with concrete washout BMP's were handed out to builders when applying for a permit. Also teaming with Benton County on an ad hoc committee with area builders, realtors on getting the news out of the changes in the stormwater rules and new regulations for them to adhere too.

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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	
#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	The budget for the stormwater utility was increased by about 6.5% over last year.
	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	This has been completed. An online reporting form along with a phone number are available on the city website to report stormwater issues.
	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	As noted in 1C above, worked with Marys River Watershed to identify a stretch of Newton Creek to be restored. Tree planting is taking place to provide extra shade. Planted 3 trees along Newton Creek and 3 along East Newton Creek.
		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	See above.
		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	Replanting lists come from noted tree removals and downage. In some instances reasons for tree deterioration and need for removal are a result of their location so some trees are not replanted in the same immediate area.

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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	
#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	Employees are re-trained at least yearly and mostly at least twice a year. New hires are trained within the first 3 days of hire one on one, then re-train with the rest of the staff. Hired 1 new employee and trained this permit year.
		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	Other City staff are scheduled to have basic training in the spring of 2023 pending Covid protocols. Other staff training is more "extra eyes" to look for and report noted water flows during dry weather, not to investigate.
	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	PMC's were reviewed with the city attorney. PMC 13.40.150 to 13.44.330 was repealed and replaced with Chapter 13.45
			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	Worked with the city attorney and re-wrote entire stormwater chapter.
		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	Ongoing-Reviewed tracking sheets and procedures to confirm they meet our needs.
			Inspect all outfalls, detention basins and flow control structures yearly	Documentation of all inspections	X						Stormwater Utility Fee*	X	X	X	X	X	There were no outfalls inspected this reporting period due to extreme workload from fiber optic project covering entire town.

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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	
#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	Responded to 1 illicit discharge this reporting period.
			Respond to Spills	Track location of spills with field response worksheet	X						Stormwater Utility Fee*	X	X	X	X	X	Responded to 4 spills this reporting period.
			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	Maps are updated whenever an anomaly or incorrect information is found. Also they are updated with improvements or new subdivisions.
			update stormwater outfall map as needed	Inventory and document all outfalls and their characteristics yearly.	X						Stormwater Utility Fee*	X	X	X	X	X	Outfall maps are updated under the same protocol as the stormwater conveyance system.
			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		Authority is still in effect under PMC 13.20.060
		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		No illegal dumps found this reporting period.
			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		Philomath hosted a Republic Services(local garbage hauler) recycle clean up event on April 16 th .
			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		The police department has not had any formal "drive through" drug drop-off events due to covid protocol.

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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	
#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	Working with Benton County on updating their codes and policies. Philomath and Benton County work under and IGA that Philomath adopts Benton Counties code and relies on Benton County for enforcement and implementation.	
			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	See above	
			Continue Intergovernmental Agreement with Benton County to implement the policy in Philomath	By keeping IGA intact	X						Stormwater Utility Fee*	X	X	X	X	See above	
	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	This is currently happening and will be upgraded with ESC and Post Construction information in the future.
			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	This is currently happening.
			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	This is currently happening but will be reviewed after adoption of new codes/policies and adjusted accordingly.

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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

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

		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	Currently happening.	
	Best Management Practice	Strategy	Measureable Goal	Performance Measure	Expected Timeline						Funding	Pollutant				Annual Status Update for 2021-22	
	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?	Ongoing	2021-22	2022-23	2023-24	2024-25	2025-26	Funding source and/or costs	Nutrients	Bacteria	Dissolved oxygen	Mercury	Temperature	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*						Working with Benton County on updating their codes and policies. Philomath and Benton County work under and IGA that Philomath adopts Benton Counties code and relies on Benton County for enforcement and implementation.

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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	
#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	See above
			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	See above
			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	See above
	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	See above
		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	See above
		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	See above
			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	See above

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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
		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	See above
#6 Post-Construction Site Runoff for New Development and Redevelopment	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	See above and this is currently happening.
			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	The City requires easement and agreement documentation filed with Benton County surveyor/accessor against the property to ensure all access, usually prior to plan approval.

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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
#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	No new structures came on-line. No control structures were inspected.
			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	This list and map is updated when each new structure comes online.
		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	This is currently happening.
		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	This is currently happening. Structures are mapped on both Cad and GIS maps as well as numbered and also tracked on a spreadsheet and put in rotation for routine inspections.

CITY OF PHILOMATH TMDL MATRIX

APPLICABLE YEARS: 2021-2026 THIS REPORTING YEAR 2021-2022

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
# 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	The city continues to collect a monthly stormwater fee. It is a set rate for residential customers and by a square footage of impervious surface charge for commercial/industrial.
		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	A separate link to report stormwater issues and a phone number/as well as an after hours emergency number are provided on the city website.
		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	This is complete and is part of the Philomath Municipal Code under PMC 13.45.250
		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	A separate document has been provided regarding overall stormwater funding. The City currently does not separate NPDES and TMDL funding, but combines projects as applicable to contain costs.