

## Appendix A: City of Springfield 2024 TMDL Implementation Plan Matrix

<b>POLLUTANT</b>	<b>SOURCE of POLLUTANT</b>	<b>STRATEGY</b> <i>What we are doing &amp; will do to reduce pollution from this source</i>	<b>ACTIONS</b> <i>Specific ways to implement strategies</i>	<b>Responsible and/or Lead</b>	<b>BENCHMARK</b> <i>Intermediate indicators to measure progress</i>	<b>TIMELINE</b>	<b>MEASURE</b> <i>How we will track implementation &amp; completion</i>	<b>STATUS</b>
Temperature	Solar radiation to surface waters	T1 – Potential Shade & Natural Resource Area Planning	Task 1 - Plan, design, and track riparian/channel enhancement capital projects.	Community Development Division (Capital Engineering, Comprehensive Planning)	Track data for completed waterway enhancement CIP projects.	Ongoing	Length of riparian area restored	
				Environmental Services Division (Water Resources)	Explore options to dedicate staff time to waterway enhancement and project delivery within the CIP program.	March 2029	Number of trees and shrubs planted	
				Environmental Services Division (Water Resources)	Continue Lower Mill Race stormwater and restoration project planning, with a Planning Study drafted.	April 2027 March 2029	Staffing options explored	
				Environmental Services Division (Water Resources)	Work with private landowners to acquire property or easements along the Lower Mill Race, where feasible.	March 2029	Lower Mill Race Planning Study drafted	
		Community Development Division (Comprehensive Planning)	Task 2 - Modernize and maintain Goal 5 natural resource area mapping.	Operations Division (GIS) Environmental Services Division (Water Resources)	Update Goal 5 natural resource inventory mapping.	March 2027	Goal 5 natural resources layers updated	
		Community Development Division (Comprehensive Planning)						
		Operations Division (GIS)						
		Environmental Services Division (Water Resources)						
	T2 – Riparian Area, Parking Lot & Streetscape Shade Protection & Enhancement	Task 1 - Take protections for Goal 5 natural resources inventoried in Springfield's UGB expansion areas to City Council for adoption. Clarify Springfield Development Code Goal 5 protections and update adopted land use plans for new protections, as needed.	Community Development Division (Comprehensive Planning) Environmental Services Division (Water Resources)	Take protections for significant Goal 5 natural resources areas inventoried in the UGB expansion areas to City Council for public hearing.	January 2028	Goal 5 protections taken to Council for public hearing		
				Environmental Services Division (Water Resources)	Clarify Development Code Goal 5 protections and take to City Council for public hearing.	January 2028	Development code clarifications taken to Council for public hearing	
			Operations Division (Streets, ROW, Open Spaces, GIS) Community Development Division (Development Review, Comprehensive Planning) Environmental Services Division (Water Resources)	Task 2 - Inventory and maintain public trees, review tree-related requirements in the Springfield Development Code, and explore application for Tree City USA recognition.	Work to complete an inventory of public trees.	January 2026	Number of trees inventoried	
					Continue to maintain public trees. Document maintenance activities and number of street trees planted by Operations annually.	Annual	Number of street trees planted by Operations	
					Continue to budget for tree-related expenditures.	Ongoing	Tree expenses in annual budget	
					Review existing ordinances for public and private trees and identify revisions. If code amendments are needed, take to City Council for public hearing.	January 2026 January 2029	Existing ordinances reviewed Code amendments taken to Council, if needed	
Environmental Services Division (Water Resources)	Explore creating a tree committee or department.	January 2029	Tree committee or department discussed					
Environmental Services Division (Water Resources)	Explore application for Tree City USA.	January 2029	Tree City USA application discussed					

## Appendix A: City of Springfield 2024 TMDL Implementation Plan Matrix

<b>POLLUTANT</b>	<b>SOURCE of POLLUTANT</b>	<b>STRATEGY</b> <i>What we are doing &amp; will do to reduce pollution from this source</i>	<b>ACTIONS</b> <i>Specific ways to implement strategies</i>	<b>Responsible and/or Lead</b>	<b>BENCHMARK</b> <i>Intermediate indicators to measure progress</i>	<b>TIMELINE</b>	<b>MEASURE</b> <i>How we will track implementation &amp; completion</i>	<b>STATUS</b>
Temperature	Solar radiation to surface waters	T2 – Riparian Area, Parking Lot & Streetscape Shade Protection & Enhancement	Task 3 - Waterway maintenance and restoration.	Operations Division (Open Space/GIS)  Environmental Services Division (Water Resources)	Improve mechanisms for tracking the area of invasive plants removed and native trees and shrubs planted.	March 2026	Tracking mechanisms implemented	
					Continue to maintain City-owned waterways (including the Mill Race) by removing invasive plants, maintaining flows, and planting native trees and shrubs.	Ongoing	Invasive plants removed Native trees and shrubs planted	
					Draft a waterway maintenance plan.	January 2029	Waterway maintenance plan drafted	
					Explore funding options for adding staff dedicated to waterway maintenance.	March 2029	Funding options explored	
					Implement one public stewardship opportunity.	March 2029	Stewardship opportunity implemented	
	Warm water discharges	T3 – Industrial Warm Water Discharges	Task 1 - Map NPDES industrial stormwater permit holder sites within Springfield's City Limits. Review and provide comments to DEQ on industrial stormwater permits in Springfield when they are available for public review.	Environmental Services Division (Water Resources)	Review and update the map of current industrial stormwater dischargers within Springfield's City Limits.	July 2025, and again by July 2027	Map updated	
					Provide comments to DEQ during public review of industrial permits when they are issued or renewed.	Ongoing	Number of industrial stormwater permits reviewed	
	Warm water discharges  Solar radiation to surface waters	T4 – Public Outreach and Education	Task 1 - Continue to develop and distribute outreach and education materials to businesses and the general public as needed.	Environmental Services Division (Water Resources, Communications/Public Affairs)	Maintain website with annual updates of TMDL information and public outreach materials that focus on ways to reduce temperature (such as planting native plants and trees) and preventing warm water from entering the stormwater system.	Annual	Website updated	
					Continue to develop and distribute outreach materials to businesses and to the general public.	Ongoing	Number of outreach materials distributed	
Bacteria	Sanitary sewer system	B1 – Sanitary Sewer Overflows – City Work Practices	Task 1 - Continue to implement current City standard operating procedures for sanitary spill response. Amend or revise if appropriate to ensure rapid and effective response.	Environmental Services Division (Water Resources)	Implement SOPPs for sanitary spill response and update as needed.	Ongoing	SOPPs implemented	
				Operations Division			SOPPs updated if needed	
	Animal/Pet waste	B2 – Animal/Pet Waste - Program Enhancement	Task 1 - Coordinate with local partners to identify locations for additional pet waste disposal stations in public areas and assist with maintenance. Maintain City-managed pet waste stations.	Environmental Services Division (Water Resources)	Continue to collaborate with local partners to identify additional prospective pet waste station sites.	March 2025, and again by March 2027	Local partners contacted	
					Continue to assist local partners with the maintenance of new and existing stations/sites.	August 2025, and again by August 2027	Number of stations Number of bags	
				Maintain City-managed pet waste stations.	Ongoing	Number of bags		

Appendix A: City of Springfield 2024 TMDL Implementation Plan Matrix

POLLUTANT	SOURCE of POLLUTANT	STRATEGY <i>What we are doing &amp; will do to reduce pollution from this source</i>	ACTIONS <i>Specific ways to implement strategies</i>	Responsible and/or Lead	BENCHMARK <i>Intermediate indicators to measure progress</i>	TIMELINE	MEASURE <i>How we will track implementation &amp; completion</i>	STATUS
Bacteria	Animal/Pet waste	B2 – Animal/Pet Waste - Program Enhancement			Continue to maintain an inventory of station locations.	Ongoing	Number of new stations Map updated and maintained	
					Continue to identify new pet supply, service, and care facilities within the UGB. Review and update the list of pet supply, service, and care facilities.	Annual	List reviewed and updated	
			Task 2 - Continue to identify pet care providers and services in Springfield and provide outreach.	Environmental Services Division (Water Resources)	Continue to coordinate with pet businesses on educational material distribution and track the location and materials distributed.	Ongoing	Number of outreach materials	
					Continue to offer and provide technical assistance about pet waste management to pet businesses. Reach out to owners/operators at least twice during the Plan cycle and track participation.	April 2025, and again by April 2027	Number of pet businesses contacted Number of participating businesses	
			Task 3 - Continue pet waste outreach and education at public events and distribute outreach materials.	Environmental Services Division (Water Resources, Communications/Public Affairs)	Update outreach materials as needed and maintain website.	Annual	Website updated	
					Hold one <i>Canines for Clean Water</i> pledge event each fiscal year.	Annual	One pledge event per fiscal year	
			Task 4 - Discourage wildlife feeding through outreach and education.	Environmental Services Division (Water Resources)	Continue to coordinate with partners such as Willamalane Park & Recreation District and City Operations staff to identify locations where wildlife feeding is concentrated and, where appropriate, post signage. Reach out to partners and staff.	March 2025, and again by March 2027	Local partners/staff contacted Number of new signs installed	
					Continue to track educational material distribution and update sign inventory on an ongoing basis.	Ongoing	Number educational materials Sign inventory updated	
	Sanitary wastes	B3 – Septic System Inventory & Outreach, Private Sanitary Outreach, & Transient Camping	Task 1 - Maintain a septic system inventory within the City Limits. Review, update, and deliver outreach and educational materials to septic owners. Continue to extend municipal sanitary sewer services as appropriate.	Environmental Services Division (Water Resources)	Continue to maintain a septic system inventory within the City Limits.	Annual	Number of hook ups to sanitary sewer from septic Septic system map updated	
				Operations Division (GIS)	Review, update as needed, and deliver outreach and education materials to private septic system owners twice during the five-year cycle.	April 2025, and again by April 2028	Number outreach materials delivered	
				Community Development Division (Capital Engineering)	Continue to extend public sanitary services where feasible.	Ongoing	Linear feet sanitary sewer extension	
			Task 2 - Continue to provide outreach and technical assistance to businesses to improve sanitary waste disposal practices.	Environmental Services Division (Water Resources)	Continue to identify private waste-generating businesses and activities. Develop and distribute outreach materials (as needed) which include best management practices, relevant regulatory requirements, and lists of resources for additional information.	April 2025, and again by April 2028	Audiences identified Educational material developed and delivered	

Appendix A: City of Springfield 2024 TMDL Implementation Plan Matrix

<b>POLLUTANT</b>	<b>SOURCE of POLLUTANT</b>	<b>STRATEGY</b> <i>What we are doing &amp; will do to reduce pollution from this source</i>	<b>ACTIONS</b> <i>Specific ways to implement strategies</i>	<b>Responsible and/or Lead</b>	<b>BENCHMARK</b> <i>Intermediate indicators to measure progress</i>	<b>TIMELINE</b>	<b>MEASURE</b> <i>How we will track implementation &amp; completion</i>	<b>STATUS</b>
Bacteria			Task 3 - Continue to remove litter and clean up transient camps along City-managed waterways.	Operations Division (Open Space, GIS)	Clean up litter and transient camps along waterways managed by the City and track the number of illegal campsites cleaned up and the pounds of material removed.	Annual	Number of campsites cleaned up Pounds material removed	
Mercury	Construction site soil erosion	M1 – Limit Construction Site Erosion	Task 1 - Continue to implement and adaptively manage the existing Land and Drainage Alteration Permit (LDAP) construction site erosion control program.	Community Development Division (Construction Services)  Environmental Services Division (Communications/Public Affairs)	Track the number of LDAP permits issued, inspections conducted, and enforcement actions within the City Limits and the Urban Transition Zone.	Annual	Number of permits issued Number of inspections Number of violations Number of enforcement actions	
					Distribute LDAP fact sheets and conduct outreach to construction site operators.	Annual Outreach by April 2026	LDAP fact sheets stocked/posted Construction site operators contacted	
					Update LDAP program manual to reflect current municipal codes, processes, and documents.	April 2026	LDAP manual updated	
					Conduct a review of the LDAP program to determine if revisions, enhancements, or modifications are needed.	Review by April 2026 If needed, take revisions to Council by July 2028	LDAP program reviewed Revisions taken to Council (if needed)	
					Refer construction activity within Springfield's jurisdiction that requires 1200C permits to the Oregon DEQ.	Ongoing	Number of projects referred to DEQ	
	Urban runoff	M2 – Enhance Post Construction Support	Task 1 - Continue Water Resources staff participation in the City's development plan review process.	Environmental Services Division (Water Resources)  Community Development Division (Land Development Engineering, Development Review)	Water Resources staff will continue to review and provide comments for development plans that include water quality or LID features. Track the number of development applications reviewed.	Ongoing	Number of applications reviewed	
					Ensure long-term functionality of private stormwater facilities through the continued use of maintenance agreements.	Ongoing	Use of maintenance agreements	
			Task 2 - Continue to implement a post-construction mapping and inspection program to ensure maintenance of water quality facilities at private development sites.	Community Development Division (Land Development Engineering, Development Review)  Environmental Services Division (Water Resources)	Map private water quality facilities and document the number of facilities mapped.	Ongoing	Number of facilities mapped	
					Inspect private water quality facilities and document number of inspections.	Ongoing	Number of inspections	
					Continue program implementation within resource limitations. Review the Water Quality Facility Management program, adaptively manage.	April of 2026	Program reviewed	



Appendix A: City of Springfield 2024 TMDL Implementation Plan Matrix

POLLUTANT	SOURCE of POLLUTANT	STRATEGY <i>What we are doing &amp; will do to reduce pollution from this source</i>	ACTIONS <i>Specific ways to implement strategies</i>	Responsible and/or Lead	BENCHMARK <i>Intermediate indicators to measure progress</i>	TIMELINE	MEASURE <i>How we will track implementation &amp; completion</i>	STATUS	
Mercury	Urban runoff	M2 – Enhance Post Construction Support	Task 3 - Continue to implement a post-construction mapping, inspection, and maintenance program to ensure long-term functionality of public water quality facilities.	Operations Division (Street/ROW, GIS)  Environmental Services Division (Water Resources)	Map public water quality facilities and document the number of facilities mapped.	Ongoing	Number of facilities mapped		
					Inspect and maintain City-managed water quality facilities and document inspections and maintenance.	Ongoing	Number of inspections		
					Update public facility operation and maintenance plans.	June 2028	Operation and maintenance plans updated		
					Create operation and maintenance plans for new facilities.	Ongoing	Operation and maintenance plans created		
	Urban street runoff	M3 – Street Sweeping, Catch Basin & Pipe Cleaning Programs	Task 1 - Continue implementation of the current programs for street sweeping and catch basin and storm drainage pipe cleaning. Adaptively manage program practices and standards to enhance maintenance, as needed.	Operations Division (Wastewater & Subsurface Stormwater, Streets/ROW, GIS)	Continue implementation of routine street sweeping and storm system cleaning programs to reduce pollutants in the public ROW and drainage systems. Track curb miles swept and linear feet of pipes cleaned.	Annual	Curb miles swept Linear feet of pipes cleaned		
					Strive to inspect/clean at least 10% of City owned catch basins/inlets per year.	Annual	Number of catch basins cleaned		
	Hazardous waste control	M4 – Hazardous Waste Control	Task 1 - Promote public household waste collection events to encourage proper disposal of items containing mercury.	Environmental Services Division (Water Resources, Communications/Public Affairs)	Springfield will continue to participate in and support public events involving proper household hazardous waste disposal and recycling such as Spring Clean Up and home and garden shows.	Ongoing	Number of events held or promoted		
	Hazardous waste control	M5 – Public Outreach & Education	Task 1 - Continue to develop and distribute outreach and education materials to the general public, as needed.	Environmental Services Division (Water Resources, Communications/Public Affairs)	Update outreach materials as needed and distribute to the general public. Track material distribution.	Ongoing	Number of outreach materials distributed		
	Mercury and Other Pollutants	Stormwater Runoff – MS4 General Permit Control Measures*	#1 Public Education and Outreach	Task 1 - PE1 - Public Education and Outreach Strategy (PEOS)	Environmental Services Division (Water Resources, Communications/Public Affairs)	Implement Public Education and Outreach Strategy.	Ongoing	Strategy implemented	
						Continue to update Council and Commission as needed.	Annual	Number of Council updates	
Review and update, as needed, the IGA with Lane County for NPDES Services.						2024	IGA updated and implemented		
Task 2 - PE2 - Public Education and Outreach on Pollution Prevention and Stormwater Impacts				Environmental Services Division (Water Resources, Communications/Public Affairs)	Targeted public education and outreach implementation; distribute educational message to targeted audiences.	Ongoing	Number of educational messages distributed		
					Assess progress toward program implementation via program review.	Annual	Program reviewed		
					Assessment of one outreach activity.	Annual	Assessment completed		
#2 Public Involvement and Participation			Environmental Services Division (Water Resources, Communications/Public Affairs)	Task 1 - P11 - Public Involvement and Participation/Access	Continue to implement a public participation process.	Ongoing	Opportunities for public input provided		
				Review the MS4 General Permit website posting requirements and update as needed.	Ongoing	Website reviewed and updated			

Appendix A: City of Springfield 2024 TMDL Implementation Plan Matrix

POLLUTANT	SOURCE of POLLUTANT	STRATEGY <i>What we are doing &amp; will do to reduce pollution from this source</i>	ACTIONS <i>Specific ways to implement strategies</i>	Responsible and/or Lead	BENCHMARK <i>Intermediate indicators to measure progress</i>	TIMELINE	MEASURE <i>How we will track implementation &amp; completion</i>	STATUS
Mercury and Other Pollutants	Stormwater Runoff – MS4 General Permit Control Measures*		Task 2 - PI2 - Public Involvement and Participation Stewardship/ Reporting	Environmental Services Division (Water Resources)	Continue to plan and provide stewardship opportunities.	Ongoing	Stewardship opportunity implemented	
					Assess progress toward program implementation.	Annual	Program reviewed	
		#3 Illicit Discharge Detection and Elimination	Task 1 - ID1 - Illicit Discharge Ordinance, Response, Enforcement, and Tracking	Environmental Services Division (Water Resources)	Continue to respond, enforce, and track illicit discharges and complaints.	Ongoing	Number of IDDE incidents Number of enforcement actions	
				Operations Division				
				Environmental Services Division (Water Resources)	Assess progress toward program implementation.	Annual	Program reviewed	
				City of Springfield	Continue to implement and enforce SMC 4.370-4.372 to prohibit illicit discharges to the MS4.	Ongoing	Continued implementation of IDDE ordinance	
			Environmental Services Division (Water Resources)	Continue to implement IDDE enforcement procedures and matrix. Review and update as needed.	Ongoing	Continued implementation of IDDE enforcement procedures and matrix		
			Task 2 - ID2 - MS4 Map	Operations Division (GIS)	Continue ongoing GIS mapping and inventory of Springfield's MS4 storm system infrastructure.	Ongoing	City storm infrastructure mapped	
				Environmental Services Division (Water Resources)	Review mapping and inventory requirements as listed in the MS4 Modified General Permit and identify mapping gaps.	Ongoing	Updates to mapping gaps completed	
			Task 3 - ID3 - Dry Weather Screening Program	Environmental Services Division (Water Resources)	Continue to implement a dry-weather screening program.	Annual	Number of outfalls screened	
		Train staff involved in IDDE program implementation and dry weather screening.			Once during MS4 permit term	Number of staff trained		
		Task 4 - ID4 - Non-Stormwater Discharge Assessment	Environmental Services Division (Water Resources)	Continue to implement the Non-Stormwater Discharge Assessment Evaluation and the Product Assessment. Review and update as needed.	Ongoing.	Continued implementation of BMPs Reports reviewed and updated as needed		
		#4 Construction Site Runoff Control	Task 1 - CSW1 - Erosion and Sediment Control Regulations	City of Springfield	Continue to implement existing Springfield municipal and development code provisions for construction activities.	Ongoing	Continued implementation of municipal and development codes for construction activities	
				Community Development Division (Construction Services)	Update, as needed, existing codes and standards to ensure compliance with the MS4 permit.	Ongoing	Code/standards updated, if needed	
					Continue DEQ referrals as appropriate.	Ongoing	Number of DEQ referrals	
			Task 2 - CSW2 - Land Drainage Alteration Permit (LDAP) Program	Community Development Division	Ongoing implementation of LDAP program runoff controls and site plan review.	Ongoing	Continued implementation of LDAP Program runoff controls and site plan review	

## Appendix A: City of Springfield 2024 TMDL Implementation Plan Matrix

POLLUTANT	SOURCE of POLLUTANT	STRATEGY <i>What we are doing &amp; will do to reduce pollution from this source</i>	ACTIONS <i>Specific ways to implement strategies</i>	Responsible and/or Lead	BENCHMARK <i>Intermediate indicators to measure progress</i>	TIMELINE	MEASURE <i>How we will track implementation &amp; completion</i>	STATUS		
Mercury and Other Pollutants	Stormwater Runoff – MS4 General Permit Control Measures*	#4 Construction Site Runoff Control	Task 3 - CSW3 - Inspection and Enforcement	Community Development Division (Construction Services)	Continue to track, enforce, and inspect construction sites and investigate and enforce construction-related nuisance violations.	Ongoing	Number of inspections			
					Review the LDAP enforcement matrix and update as needed.	Ongoing	Enforcement matrix reviewed and updated, if needed			
			Task 4 - CSW4 - City Staff Erosion Control Training	Community Development Division (Construction Services) Environmental Services Division (Water Resources)	Continue to maintain a comprehensive and professional level of erosion control training for LDAP staff.	Once during MS4 permit term	Number of trainings and staff			
					Increase outreach and education to construction site operators.	Ongoing	Construction site operators contacted			
					Assess progress toward program implementation.	Annual	Program reviewed			
		#5 Post-Construction Site Runoff for New Development and Re-Development	Task 1 - DS1 - Post Construction Stormwater Management Codes and Standards	Community Development Division	Continue to implement current post-construction requirements and site plan review for development and redevelopment.	Ongoing.	Continued implementation of post-construction requirements and site plan review			
					Update, as needed, existing codes and standards to ensure compliance with the MS4 permit.	Ongoing	Code/standards updated, if needed			
			Task 2 - DS2 - Post Construction Stormwater Facility Long-Term Operation and Maintenance	Environmental Services Division (Water Resources)	Continue implementation of the Water Quality Facility Management Program which includes inventory, inspections, and compliance actions to the MEP.	Ongoing	Continued WQF Management Program implementation			
					Task 3 - DS3 - Post Construction Stormwater Management Training, Tracking, and Assessment	Community Development Division Environmental Services Division (Water Resources)	Provide training to staff involved in program implementation.	Once during MS4 permit term	Number of trainings and staff	
			Assess progress toward program implementation.	Annual			Program reviewed			
			#6 Pollution Prevention and Good Housekeeping for Municipal Operations	Task 1 - OM1 - Routine Maintenance Operations for Water Quality	Operations Division	Continue to implement routine infrastructure maintenance activities to reduce stormwater pollution to the MEP.	Ongoing	Curb miles swept		
		Continue to implement the Storm and Surface Water Maintenance Strategy. Update as needed.				Ongoing	Continued strategy implementation			
		Inspect and clean City catch basins, Maintain inspection and cleaning records.				Annual	Number of catch basins inspected/cleaned			
		Task 2 - OM2 - Pollution Control Manuals and Guidelines for City Operations		Operations Division	Continued implementation of the Pollution Control Manual for Routine Maintenance Activities, and other stormwater pollution guidance manuals. Review and update as needed.	Ongoing	Continued implementation of the Pollution Control Manual and guidance documents			
					Task 3 - OM3 - Municipal Operations Training, Tracking, and Assessment	Operations Division Environmental Services Division (Water Resources)	Provide training to staff involved in program implementation.	Once during MS4 permit term	Number of trainings and staff	
							Assess progress towards implementation of the program.	Annual	Program reviewed	

\*Springfield's MS4 permit expires on February 28, 2024. It is expected that these control measures will continue into the fourth TMDL Implementation Plan cycle.