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June 25, 2020

Kristi Asplund, Basin Coordinator
Oregon DEQ
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Phone: 503-229-6254

RE: 2019/20 TMDL Report for City of Molalla

Dear Ms. Asplund,

Attached is the 2019/20 TMDL Temperature and Bacteria Report Matrix for the City of Molalla.

The City is proud of its efforts toward State TMDL goals this past year. Over 340,000 lbs of debris were removed from streets by sweeping; a new Industrial Pretreatment Program was put in place which included updated protections for Storm-sewers; and all development over the past year including storm facility design and construction to ensure a pre-developed hydrology from all sites. Included in the "status" column are updates to the implementations made since last year's submittal. Some parts of the plan have also been reworked to mirror the actual efforts being made as the City implements the Adaptive Management Measures.

Please let me know if you need any additional information.

Sincerely,

Andy Peters, Operations Supervisor

Cc: Gerald Fisher, Public Works Director
Dan Huff, City Manager

POLLUTANT: Temperature		City of Molalla: TMDL Implementation Tracking Matrix						
SOURCE <i>What sources of this pollutant are under your jurisdiction?</i>	STRATEGY <i>What is being done, or what will you do, to reduce and/or control pollution from this source?</i>	HOW <i>Specifically, how will this be done?</i>	FISCAL ANALYSIS <i>What is the expected resource need? Are there existing resources budgeted? If not, where will the resources come from?</i>	MEASURE <i>How will you quantitatively or qualitatively demonstrate successful implementation or completion of this strategy?</i>	TIMELINE <i>When do you expect it to be completed?</i>	MILESTONE <i>What intermediate goals do you expect to achieve, and by when, to know progress is being made?</i>	ADAPTIVE MANAGEMENT APPLIED <i>Indicate how strategies have changed with annual review reports.</i>	STATUS <i>Include summary and date.</i>
Lack of shading in riparian areas	Protect and enhance existing vegetation in riparian areas.	Enforce existing Municipal Code 17-2.4.030 for new development: 50 ft. riparian and wetland setback and protection of native vegetation.	Code enforcement staffing; 0.20 FTE is currently funded.	Track enforcement actions and violations as well as development plan review. Record square footage of riparian area protected with all development.	On-going	Retain all existing riparian vegetation on developments planned through 2020, as required by Municipal Code 17-2.4.030. Report areas protected in annual TMDL review report.	No changes made to code or application of code.	Protection of riparian areas adhered to with development of Sawyer's Trucking (18-05); Hix Tractor Supply (18-16); Cascade Center Commercial Development (19-04); Ridings Terrace Storm Connection; Colima Apartments (20-01)

Lack of shading in riparian areas	Protect and enhance existing vegetation in riparian areas.	Removal of creosote-treated railroad-tie bridge over Bear Creek on Molalla Forrest Road (19-07)	\$90,000	Railroad ties can leach creosote into soil and water systems. The removal is being done in accordance with approvals from DEQ, DSL, SHPO and US Army Corps of Engineers	1 year	Annual review of budget for possible implementation or private development. Report funding status in annual TMDL review report.	This project replaces the Bear Creek Greenway Project which was completed last year.	Contract is awarded, construction scheduled for July 2019
Lack of shading in riparian areas	Protect and enhance existing vegetation in riparian areas.	Conduct public education on protection of riparian areas.	Staffing to conduct educational effort; 0.20 FTE currently funded.	Number of Pre-application Meetings, which include public education	On-going	Educational outreach once per year through 2021. Provide outreach details in annual TMDL review report.	No change.	Continued education of development community and property owners during pre-application meetings.
Lack of shading in riparian areas	Protect and enhance existing vegetation	Tree protection as required by City Code 17-3.4.030.	Staffing as required for plan review and enforcement.	Track enforcement actions and violations as well as number of existing trees retained with each development.	On-going	Maintain all existing trees, where possible, on new development as required by Municipal Code 17-3.4.030.	No changes made to code or application of code.	Community Planner continued enforcement of development code on all projects.

Lack of shading in riparian areas	Partner with watershed groups and Clackamas County SWCD	Establish working relationships, Partner on riparian restoration projects, and public outreach opportunities	Volunteer staffing as required	Number of meetings attended, and projects collaborated on	5 Years	Attend at least one meeting annually 2020	The City has exceeded its goals in this area, 3 lines updated to match the new strategy.	The City Council assigned Operations Supervisor to represent the community on the Pudding River Watershed Council
Lack of shading in riparian areas	Tree planting	Enforce tree planting and landscaping by way of Municipal Code 17.3.4.	In City budget for Code enforcement staffing.	Number of trees planted and Area landscaped.	On-going	Establish list of projects that provided new trees and landscape areas through 2020 and include in annual TMDL review.	No changes made to code or application of code.	Public Works planted or replaced 4 Poplar and 3 Ulmus Americana 'Valley Forge' trees and during the 2019-2020
Stormwater	City Council overview and acknowledgement .	Review TMDL Plan, annual reports and five year review with City Council.	None	Track number of times TMDL reports are covered in City Council meeting minutes.	On-going	City Council approval of TMDL Plan and review reports.	No change.	Council reviewed draft TMDL Report as part of 06/24/20 meeting.
Reduced stream flow in Molalla River and tributaries	Reduce municipal water diversion.	Water conservation efforts driven primarily by public education.	Staffing to conduct educational effort; 0.15 FTE currently funded.	Records of Public Leak detection and notifications. Monitor total water use.	On-going	Leak notification and educational outreach through 2020. Water use reported annually in TMDL report.	Changed measurement to include the concrete actions being taken	2019 Water Quality Report completed and posted to the website Spring 2019. (See attached). Customer leak notifications ongoing.

Wastewater treatment plant discharge	Maintain low effluent temperatures .	Maintain compliance with NPDES permit requirements.	Wastewater treatment staff; funded positions.	Molalla River temperature monitoring.	Continuous temperature measurement ; monthly permit reporting.	Report instream temperature monitoring with annual TMDL report review.	No change.	See attached DMR's. Monitoring stopped in May with transition to land application.
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POLLUTANT: Bacteria, Mercury, and Legacy Pesticides								
City of Molalla: TMDL Implementation Tracking Matrix								
SOURCE <i>What sources of this pollutant are under your jurisdiction?</i>	STRATEGY <i>What is being done, or what will you do, to reduce and/or control pollution from this source?</i>	HOW <i>Specifically, how will this be done?</i>	FISCAL ANALYSIS <i>What is the expected resource need? Are there existing resources budgeted?</i>	MEASURE <i>How will you quantitatively or qualitatively demonstrate successful implementation or completion of this strategy?</i>	TIMELINE <i>When do you expect it to be completed ?</i>	MILESTONE <i>What intermediate goals do you expect to achieve, and by when, to know progress is being made?</i>	ADAPTIVE MANAGEMENT APPLIED <i>Indicate how strategies have changed with annual reports.</i>	STATUS <i>Include summary and date.</i>
Stormwater	Promote Low Impact Development and on-site stormwater treatment.	Encourage green street standards – at least half street improvements with new development. Meet pre-development hydrology requirements per Municipal Code 17-3.6 and Public Works Design Standards Section 3.2.	Currently in Public Works budget.	Percent of green street standards for each project. For each project, stormwater quantity calculations to meet pre-development hydrology and water quality requirements per PW Standards.	On-going	All new development plans incorporate green street standards where practical and include pre-development hydrology. Report applicable improvements in annual TMDL review report.	No change.	Dev review of Sawyer's Trucking (18-05); Hix Tractor Supply (18-16); Cascade Center Commercial Development (19-04); Ridings Terrace Storm Connection; Colima Apartments (20-01)

Stormwater	Promote Low Impact Development and on-site stormwater treatment.	Incorporate stormwater treatment with transportation projects	Included in city budget according to capital improvement plan.	Project that include installed of stormwater treatment features	20 21	Hwy 211 sidewalk project; City Shops site improvement project (16-07)	Listed most current projects.	One large water quality swale incorporated into design, bringing sites to pre-development hydrology conditions.
Stormwater	Promote Low Impact Development and on-site stormwater treatment.	Encourage use of drainage swales that settle, infiltrate, and treat turbid runoff. Current Public Works Design Standards Section 3.5 provides design specifications for drainage swales.	Currently in City planning budget for plan review.	Track number of projects that incorporate drainage swales.	On-going	Add drainage swales installed to GIS Stormwater map by end of 2020. Report number of water quality facilities constructed in annual TMDL review report.	No change.	Two water quality swales incorporated into Fenton design. GIS work scheduled.
Stormwater	Reduce pet waste in stormwater runoff.	Install waste bags in parks and common dog-walking locations. Citizen education about improper pet waste management.	Currently in Parks budget.	Track waste bag usage within the City.	On-going	Report bag use in annual TMDL review report.	No change.	Supplied 3283 bags in City Parks in 2019/2020, up from 3026 the previous year.
Stormwater	Educate developers and the public about stormwater and hydrology in the City of Molalla.	Make Stormwater Master Plan and Public Works Design Standards available to public via City website.	None	Number of private development that meet stormwater standards.	On-going	All Private development projects meet stormwater detention and water quality requirements.	No change.	Dev review of Sawyer's Trucking (18-05); Hix Tractor Supply (18-16); Cascade Center Commercial Development (19-04); Ridings Terrace Storm Connection; Colima Apartments (20-01)

Stormwater	Prevent erosion from construction sites.	Conduct grading inspections per Municipal Code 21.70 to ensure protection against erosion.	Currently in Public Works budget.	Percent of sites that comply voluntarily.	Ongoing	Report permitted excavation projects that complied with Municipal Code 21.70 in annual TMDL review report.	No change.	Dev review of Sawyer's Trucking (18-05); Hix Tractor Supply (18-16); Cascade Center
Stormwater	Prevent erosion from construction sites.	Cooperate with DEQ to enforce erosion control through 1200C permits as required by Municipal Code - Chapter 17 and Public Works Design Standards 1.18.4.	Currently in Public Works budget.	Keep track of 1200C permits within City boundaries.	On-going	Report projects that complied with 1200C permits in annual TMDL review report.	No change.	Commercial Development (19-04); Ridings Terrace Storm Connection; Colima Apartments (20-01)
Stormwater	Reduce runoff and sediment load from impervious areas: roads, vacant lots.	Maintain weekly street sweeping schedule.	Currently in Public Works budget.	Using street sweeping log, track frequency of areas cleaned.	On-going	Report volume estimate of street sweepings in annual TMDL review report.	No change.	Approximately 378 CY (340,000 lbs) between 6/1/19-6/1/20
Stormwater	Maintenance Program for stormwater collection system.	Maintain storm system components including; catch basins, manholes and pipes.	Currently in Public Works budget. System Development Charges in place for storm drainage	Track maintenance projects that improve stormwater system. Construct Decant Facility as funding allows.	On-going	Indicate number and type of maintenance projects in annual TMDL review report. Provide funding status for Decant facility in annual	No change.	Decant Facility budgeted for FY 20-21

Combined storm and sanitary sewers, and Inflow/Infiltration	Increase effectiveness and efficiency of wastewater treatment.	Eliminate illicit discharge and infiltration issues in downtown core.	To be determined.	Average daily flow to treatment plant before and after cross connect issues addressed.	5 years	Report completion of planned inflow/infiltration projects in annual TMDL review report. Include annual review of budget for inflow/infiltration projects.	No change.	Completion of two sewer projects on Fenton Ave. Design of Patrol Street sewer replacement. Total influent at the WWTP measurably reduced, see annual I/I report, Feb 2020.
Combined storm and sanitary sewers, and Inflow/Infiltration	Decommission Septic Systems per Municipal Code 13.08.300 – Upon Availability of Public Sewer – Abandonment of Private Systems.	Administer 30 day notice to connect to city sewer where public sewer is made available.	Planning staff, full time.	Number of new connections made annually as a result of annexations, violations discovered.	On-going	Connect all residential, commercial, industrial properties within city limits to city sewer and report in annual TMDL review report.	No change.	Planning of the new Colima apartments includes stub outs for 3 unconnected lots, which will be brought onto the system in late 2020.
Illegal Discharge and Industrial Pretreatment Program	Code enforcement of Municipal Code 13.08.840 – Discharge Into Storm Drains. Establishment Pretreatment code: 13.13.530	Provide code enforcement form to citizens. Update Industrial Pretreatment Survey.	Currently in City budget for Operations Supervisor.	Track number of complaints and issues.	On-going	Code enforcement form has been made available on the City of Molalla website. Report number of complaints received and corrective actions taken in annual TMDL review report.	No change.	The City established a complete Pretreatment Program under MCC 13.13.530 and conducted a new City-wide Industrial User Survey.