**City of Aumsville 2023 TMDL Implementation Matrix Annual Report**

| **Pollutant** | **Stormwater Program Measure/Table 13-11** | **Pollutant source/strategy to reduce pollutant** | **How will this be done – Best Practice Management Activity** | **Funding** | **Measure – Status Reporting Metric Timeline** | **Benchmark/Milestone – Interim goals achieved and timeline if applicable** | **2022 reporting Status (updated February 2023)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Mercury** | 1. WQMP Requirement - Assess existing programs
 | Assess existing programs, 2022 TMDL Plan, and 2023-2028 matrix against 2019 Mercury TMDL WQMP Tables 13-11 and 13-14: <https://www.oregon.gov/deq/wq/Documents/willHgtmdlwqmpF.pdf> | Review 2008 plan for data gaps and updateReview 2018-2023 matrix for 2006 mercury TMDL and update. Review 2022 plan for data gaps and updateReview 2023-2028 matrix for mercury TMDL and update | Streets Fund/Engineering | Pre-plan activity for due date of Sept 3 2022. Pre-plan activity for due date of fall 2028 | Started: Jun 2022Completed: Sept 2022 | 2022-Assessment of existing programs complete |
| **Mercury** | 1. Public Education and Outreach and Public Involvement and participation program
 | Requirement - Reasonable assurance plan will be implemented and sustained over time cost analysis and estimation page 128-221 of<https://www.oregon.gov/deq/wq/Documents/willHgtmdlwqmpF.pdf> | Budget development and City Council approval for plan development, implementation, annual status reporting and a five-year review  | Streets Fund/Engineering | Report date of budget approval and Council approval for all TMDL implementation plan approved activities | Each year, document dates for confirming budget and Council approval; Annual costs and funding to determine approximate extent of BMP activity  | 2022-In September PW updated council of the new Mercury TMDL requirements along with the suggestion to implement another funding source besides streets budget for TMDL required projects. This is a council goal to develop a revenue source for these requirements. |
| **Mercury** | 1. Public Education and Outreach and Public Involvement and participation program
 | Awareness of water quality protection programs – Provide opportunities for the public to effectively participate in the development TMDL plan | Post City Council approved implementation plan and reports for public viewing to the City website | Streets Fund/Engineering | Annually provide web link for access to Plan and report viewing | **Program in-place** - Post plan on website. Post annual reports before next TMDL reporting cycle (Feb 28 of every year report due) | 2022-[City Council Regular Meeting | City of Aumsville Oregon](https://www.aumsville.us/citycouncil/page/city-council-regular-meeting-112)[TMDL Plan | City of Aumsville Oregon](https://www.aumsville.us/publicworks/page/tmdl-plan) |
| **Mercury** | 1. Public Education and Outreach and Public Involvement and participation program
 | Provide opportunity for residents and the public to effectively participate in the development of stormwater control measures and ordinances. | Compliance with land use planning - Public notice requirements for plan and stormwater programs, such as, fee increases, design standards, planning and development, ordinance development and approval, budgetRoutinely monitor SDC funds and other funds to determine adjustments for future growth and program implementation | General Fund | Annually summarize any notice dates and topics, ordinances, funding changes, for Plan or confirm none | **Program in-place** - Maintain list of public notices for reporting year with description and dates of activity or City website links | 2022-Updated Public Works Standards annually to reflect any updates to storm water requirements. Made a separate web page for the stormwater/TMDL on the city website under Public Works. |
| **Mercury/Bacteria** | 1. Public Education and Outreach
 | Inform the public about the impacts of stormwater discharges on waterbodies and the steps that they can take to reduce mercury-related pollutants in stormwater runoff.  | Develop and maintain City website page on stormwater management and impacts of discharges on waterbodies | Streets Fund/Engineering | Annually summarize review and update of contact and content information annually | Develop stormwater page on City website.Review and update annually | 2022-Updated Public Works page on City Website to include a TMDL page with Matrix and relevant info. |
| **Mercury/Bacteria** | 1. Public Education and Outreach
 | Illicit discharges or pollution impacts to stormwater runoff to municipal system; Limit erosion to maintain clear, clean water. Educate public. | Visual inspection of properties along water ways; Promote awareness of stormwater protection measures through City Newsletter annually | Streets Fund/ General Fund | Annual describe inspection findings and tools used for announcements delivered to City residents annually regarding pollutant impacts from yard debris and topics – mercury, bacteria, temperature  | **Program in-place** - Improve stormwater runoff within City of Aumsville | 2022-Highberger ditch was recently inspected after cleaning. Pet waste and yard debris found to be dumped along ditch at mobile home park. Contacted management and let know enforcement of ordinance would be used if we saw continued violations. |
| **Mercury** | 1. Public Education and Outreach
 |  | Evaluate opportunities for annual activity to provide public education and outreach. Recology accepts all yard debris from Aumsville residents year-round; potential opportunity to promote and address yard debris in stormwater/waterbodies issues.  | Streets Fund/ General Fund | Conduct qualitative evaluation of at least one education and outreach activity. The evaluation should be used to inform future stormwater education and outreach efforts to most effectively convey the educational material to the target audiences. | Evaluate opportunities for annual activity.Evaluate opportunities for annual activity through tracking of web page traffic annually?  Adjust strategies based on traffic if needed? | 2022-Working on a newsletter article with follow up survey. |
| **Mercury** | 1. Pollution Prevention in Municipal Operations
 | Capture and infiltrate Storm runoff from impervious surfaces – Increase effective shade canopy of impervious areas in city | Parks maintenance and establishment of city trees 1. Maintain existing tree canopy along streets and parking areas
2. Require street trees in new development
3. Park greenspace w/ trees in parks
4. Integrated pest management policy for the public works department and/or parks department
5. Efficient irrigation @ parks for reduced runoff and waste of water
 | Street Fund/Parks Fund | Review development applications and require trees to be includedTrack number of trees planted | Annual planting of trees in City Parks and City Properties; Periodic tree pruning; and arborist assistance | 2022-22 trees planted this year and we continue to maintain existing street trees by contracting fertilization and pest control along with pruning to promote healthy canopy growth. |
| **Mercury** | 1. Pollution Prevention in Municipal Operations
 | Properly operate and maintain its facilities, using prudent pollution prevention and good housekeeping to reduce the discharge of mercury-related pollutants, such as sediment, through the stormwater conveyance system to waters of the state. | Annual cleaning program for stormwater catch basins and streets | Streets Fund | Annually Report approximate percentage, by category, basins, and streets cleaned  | Annual catch basin cleaning, and quarterly street sweeping schedule - Maintain cleaning records throughout each year W/records available upon request. Annual costs and funding determine approximate extent (#2 matrix item) | 2022-Street sweeper went out 18 times this year and picked up 205 yards of material. We also cleaned 15 catch basins and in the city and removed 5 yards of material from those basins. We contracted with the school to clean their catch basins as well this year. Removing 3 yards of material from their storm system. |
| **Mercury** | 1. Pollution Prevention in Municipal Operations
 | Ensure DMA owned or operated facilities with industrial activity identified in DEQ’s 1200-Z Industrial Stormwater General Permit have coverage under this permit.  | Obtain 1200-Z permit for applicable City operations  | Engineering | Annually provide description, and date, of any new 1200-Z City facility identified during the reporting year or document none | Initial check for: DEQ database for City owned 1200-Z facilities & City building inventory discussed 6/21/22; Evaluate new city owned facilities or changes for 1200-Z | 2022-None |
| **Mercury** | 1. Illicit Discharge Detection and Elimination
 | Implement and enforce a program to detect and eliminate illicit discharges into the stormwater conveyance system to reduce educe sediment load and other pollutants in runoff | Routinely maintain a current map of their stormwater conveyance system for location of outfalls and an outfall inventory, conveyance system and stormwater control locations.  | Streets Fund | Update when as-builts are receivedDescribe any changes or planned updates to maps inventories; Make maps and inventories available upon request; Provide working website link | Program in-place – update maps and inventory as new as-builts are received | 2022-No new stormwater conveyance systems were built in 2022. Maps are up to date. |
| **Mercury** | 1. Illicit Discharge Detection and Elimination
 | Implement and enforce a program to detect and eliminate illicit discharges into the stormwater conveyance system to reduce educe sediment load and other pollutants in runoff | Prohibit non-stormwater discharges into the stormwater conveyance system 1. Through enforcement of an ordinance or other legal mechanism for appropriate enforcement procedures and actions to ensure compliance.
2. Define the range of illicit discharges it covers, including those discharges that are conditionally allowed, such as non-stormwater discharges or flows such groundwater, irrigation water.
 | Engineering | Provide annual update on progress made and next steps | Complete by Sept 2028Steps for ordinance development:1. Research other DMA ordinances
2. Develop draft ordinance
3. Council review
4. Council adoption/public notice
 | 2022-Reviewing other DMA’s Ordinances and will bring to recommendations to council at next ordinance update. |
| **Mercury** | 1. Illicit Discharge Detection and Elimination
 | Implement and enforce a program to detect and eliminate illicit discharges into the stormwater conveyance system to reduce educe sediment load and other pollutants in runoff | Maintain a procedure or system to document all complaints or reports of illicit discharges into and from the stormwater conveyance system.1. Stop unwanted discharges to waterways, public education in City newsletter
2. Follow up on questions or complaints that involve drainage issues
3. [Report a Problem | City of Aumsville Oregon](https://www.aumsville.us/publicworks/page/report-problem) online and City Hall or Public Works phone (503-749-2030 or 503-749-1185
 | Streets Fund | Annually describe approximate number of complaints related to water quality, stormwater runoff; make compliant list available upon request  | **Program in-place** - Track pollution concern calls to document complaints, media used by complainant (e.g., phone, Facebook, walk-in), date received, response if needed or not, and resolution  | 2022-Working with City Hall staff to develop a data base for storm water complaints. Will add a place for Citizen action form on Stormwater/TMDL link on website to help track complaints. |
| **Mercury** | 1. Construction Site Stormwater Runoff Control
 | Land development activities;limit erosion to maintain clear, clean water | City has in the last year requested copies DEQ 1200-C permits from developers and monitored their compliance | Engineering | Public Works will monitor compliance with Land Development Regulations so necessary erosion control barriers are installed. Track number of violations and annual describe violations and resolutions | **Current program – Phaseout, adopt 17. a. by Sept 2022, revisit 17. all items at five-year to assess feasibility**  | 2022-Public Works staff or Engineer of record (depending on contract and scope of job) will continue to monitor 1200-C permits.  |
| **Mercury** | 1. Construction Site Stormwater Runoff Control
 | Erosion and sedimentation runoff from residential, industrial, commercial propertiesLimit erosion to maintain clear, clean water. Educate public thru monthly newsletter | City to enforce specific erosion control requirements (e.g. silt fences, mulching, seeding, avoid excavation during wet times) for new construction/reconstruction (if 1200-C permit applies) | Engineering/ Streets Fund | Check catch basins in construction areas to see if erosion control is effective | **Current program – Phaseout, adopt 17. a. by Sept 2022, revisit 17. all items at five-year to assess feasibility**  | 2022-2 projects this year required silt fencing. Both project completed and removed silt fencing and 1 of 2 projects had catch basins that were then checked after completion and silt fencing was affective. |
| **Mercury** | 1. Construction Site Stormwater Runoff Control
 | Erosion and sedimentation runoff from residential, industrial, commercial propertiesLimit erosion to maintain clear, clean water. Educate public thru monthly newsletter | City to educate Public Works Staff on BMP’s | Streets Fund | Record of training for certification | Identify approved training program best for City staffAnnual costs and funding determine approximate extent (#2 matrix item) | 2022-At least 2 PW staff members will attend Keizer storm water summit next year. |
| **Mercury** | 1. Construction Site Stormwater Runoff Control
 | Sediment in runoff leaving construction sites and/or activity into stormwater conveyance system. Implement a Construction Site Runoff Control Program | 1. Refer project sites to DEQ, or the appropriate DEQ agent, to obtain NPDES 1200-C Construction Stormwater Permit coverage for construction projects that disturb one or more acres (or that disturb less than one acre, if it is part of a “common plan of development or sale” disturbing one or more acres) – ***Construction Design Standards*** *Appendix F -* [*6f\_aumsville\_pwds\_v2021-09.pdf*](https://www.aumsville.us/sites/default/files/fileattachments/development_amp_planning/page/8841/6f_aumsville_pwds_v2021-09.pdf) *Code for following design standards* [*6b\_aumsville\_pwds\_v2021-09.pdf*](https://www.aumsville.us/sites/default/files/fileattachments/development_amp_planning/page/8841/6b_aumsville_pwds_v2021-09.pdf) *Appendix B page 2, 17. Contractor shall procure and conform to DEQ stormwater permit No. 1200C for construction activities where 1 acre or more are disturbed.*
2. Require construction site operators to complete and implement an Erosion and Sediment Control Plan for construction project sites in its jurisdictional area that result in a minimum land disturbance of 21,780 square feet (one half of an acre) or more, and are not already covered by a 1200-*C –* ***Construction Design Standards*** *Appendix B pages 26-28* [*6b\_aumsville\_pwds\_v2021-09.pdf*](https://www.aumsville.us/sites/default/files/fileattachments/development_amp_planning/page/8841/6b_aumsville_pwds_v2021-09.pdf)
3. Through ordinance or other regulatory mechanism, to the extent allowable under state law, the DMA must require erosion controls, sediment controls, and waste materials management controls to be used and maintained at all qualifying construction – ***Construction Design Standards*** *Appendix A* [*6a\_aumsville\_pwds\_v2021-09.pdf*](https://www.aumsville.us/sites/default/files/fileattachments/development_amp_planning/page/8841/6a_aumsville_pwds_v2021-09.pdf)***Erosion control 610-617***

*Appendix B pages 26-28* [*6b\_aumsville\_pwds\_v2021-09.pdf*](https://www.aumsville.us/sites/default/files/fileattachments/development_amp_planning/page/8841/6b_aumsville_pwds_v2021-09.pdf)1. The DMA must develop, implement and maintain a written escalating enforcement and response procedure for all qualifying construction sites. The procedure must address repeat violations through progressively stricter response, as needed, to achieve compliance
 | Engineering/ Streets Fund | Annually track implementation of construction site runoff program required activities for annual report – Annually, briefly describe progress toward implementing construction site runoff programs | **Program in-place –** 17.a., 17.b., 17.c. Ordinance and resolutions adopt design standards ORD 528, ORD 703 para 20.36 4/21 – Sept 2021 adopted; and Appendix A and B Design Standards procure DEQ 1200-C; erosion control construction notes and standard details17.d. Review City code and assess for written escalating enforcement and response procedure. Amend code as needed to meet TMDL requirements. | 2022-Permits are required for anything from fences and landscaping to large construction projects. PW staff tracks Type A permits small construction and landscaping. Larger projects. Guidelines are in place through PWDS and we will work on ordinances to include enforcement.  |
| **Mercury** | 1. Post-Construction Program for development and redevelopment
 | Storm runoff from impervious surfaces Develop, implement, and enforce Post-Construction Program to reduce discharges of pollutants and control post-construction stormwater runoff from new development and redevelopment project sites in its jurisdictional area. | Through ordinance or other regulatory mechanism, require new or redeveloped areas that create or replace 10,890 square feet or more of new impervious surface area:1. The use of stormwater controls at all qualifying sites.
2. A site-specific stormwater management approach that targets natural surface or pre-development hydrological function through the installation and long-term operation and maintenance of stormwater controls.
3. Retain rainfall on-site and minimize the offsite discharge of precipitation utilizing stormwater controls that infiltrate and evapotranspiration stormwater.
4. For projects that are unable to fully retain rainfall/runoff from impervious surfaces on-site, the remainder of the rainfall/runoff from impervious surfaces must be treated prior to discharge with structural stormwater controls. These stormwater structural controls should be designed to remove, at a minimum, 80 percent of the total suspended solids.
5. Long-term operation and maintenance of stormwater controls at project sites that are under the ownership of a private entity.
 | Engineering | Track implementation of construction site runoff program required activities for annual report - Briefly describe progress toward implementing post-construction program  | Revisit at 2028 five-year review date: Jan 31, 2028 to determine feasibility of starting for 2028-2033. | 2022- Revisit at 2028 five-year review date: Jan 31, 2028 to determine feasibility of starting for 2028-2033. |