Water Quality Program Plan 2023

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DEQ is a leader in restoring, maintaining, and enhancing the quality of Oregon's air, land, and water.

State of Oregon
Department of Environmental Quality

Agency mission

The Oregon Department of Environmental Quality's mission is to be a leader in restoring, maintaining, and enhancing the quality of Oregon's air, land, and water.

Translation or other formats

Español | 한국어 | 繁體中文 | Русский | Tiếng Việt | العربية

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2023 Water Quality Program Summary

The Oregon Department of Environmental Quality's Water Quality Program implements state and federal laws to protect and restore Oregon's rivers, lakes, streams, ocean, estuaries, and groundwater.

The program's mission is to protect, restore and improve Oregon's water quality. Protecting Oregon's rivers, lakes, streams, and groundwater keeps these waters safe for a multitude of beneficial uses, such as drinking water, fish and other aquatic organisms, recreation, the ability to consume fish safely, and irrigation.

This report describes the work goals and metrics of DEQ's Water Quality programs for 2023. It provides:

- An overview of the program, including a description of sub-programs and core work.
- A summary of program successes for 2022
- Appendix A: the 2023 work plan
- Appendix B: the 2022 published water quality documents

DEQ protects, restores, and improves water quality by:

- Developing and implementing water quality standards and clean water plans
- Regulating wastewater treatment systems and industrial and stormwater discharges that protect land, surface and ground waters
- Collecting and evaluating water quality data
- Providing grants and technical assistance to reduce and prevent nonpoint sources of pollution
- Protecting drinking water sources
- Providing below market rate financing to communities to fund water quality improvement projects
- Coordinating with other state and federal agencies on actions that may affect Oregon waters
- Licensing and certifying people who operate facilities that treat sewage and people who provide sewage disposal services and ensuring they have the necessary education, experience, and knowledge, as demonstrated by passing an exam, and obtaining continuing education
- Encouraging the beneficial reuse of wastewater and the solids from wastewater treatment through regulatory programs and oversight

The program has locations at DEQ headquarters, in each of DEQ's three regions, and water quality monitoring and assessment staff within DEQ's Laboratory and Environmental Assessment Division.

The program plays a critical role in achieving the DEQ's mission through policy development, collection and analysis of water quality data, and priorities to improve and protect the quality of water in Oregon. DEQ staff deliver critical core work by issuing permits and certifications, conducting inspections, carrying out compliance and enforcement, awarding grants and loans for clean water projects, and working with local partners to improve and protect water. Overall, the program is working to provide integrated and achievable permits, and to deliver programs and services that protect and enhance state waters to safeguard public health and the environment.

DEQ's One Team for Clean Water Approach

The Water Quality program staff works together through a set of guiding principles and values to protect, restore, and improve water quality in Oregon.

Guiding principles

DEQ…

- Leads a partnership for clean water for Oregon's environment, communities, and economy
- Makes continuous progress toward meeting clean water standards in Oregon
- Leads thoughtful, collaborative development of policy based on sound science
- Delivers strong core work: permitting and certifications, funding, standards, assessments, watershed planning and restoration, environmental data collection, management and access, and compliance and enforcement
- Communicates early and transparently, both internally and externally
- Provides quality and consistency in our work
- Takes timely and responsible actions
- Continually endeavors to improve our processes and programs

Learn more about DEQ's Water Quality programs online.

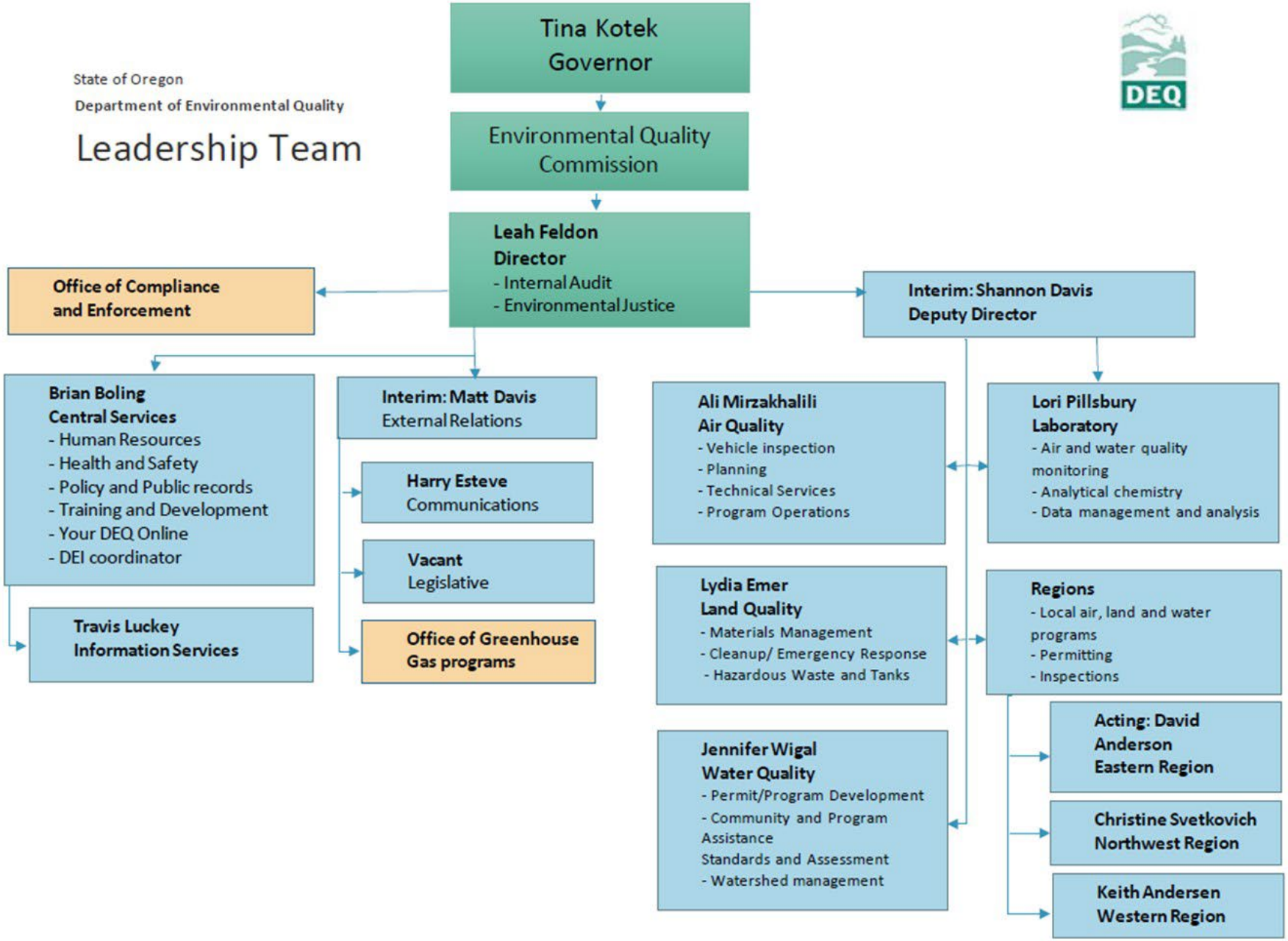
Values

- Environmental results
- Public service
- Partnerships
- Excellence and integrity
- Teamwork
- Employee growth
- Diversity
- Health, safety, and wellness
- Economic growth through quality environment

Learn more about DEQ online.

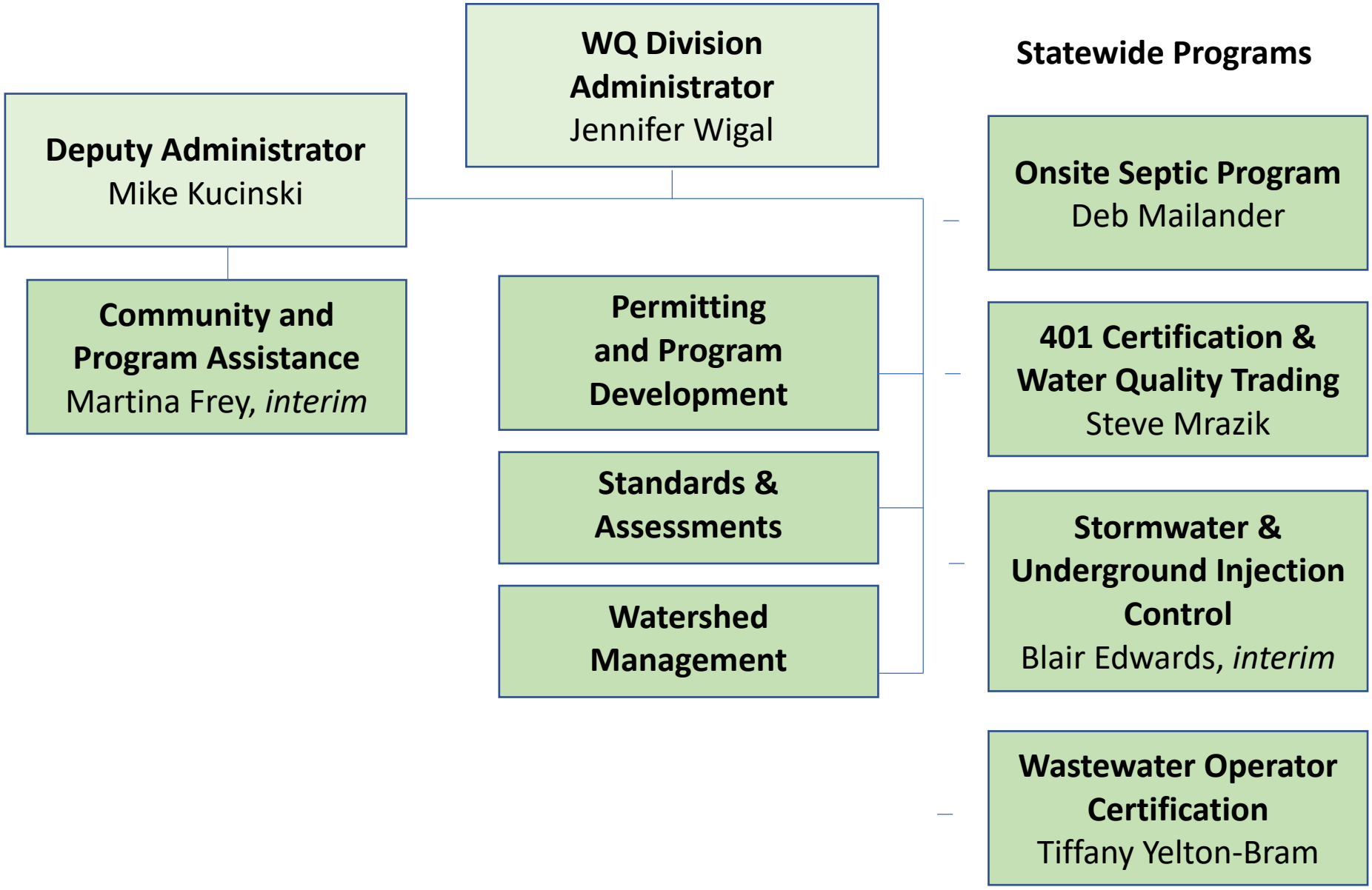
The next section provides a DEQ organizational chart, which outlines the leadership structure for the agency.

DEQ organizational chart



Water Quality Program organization

as of April 2023



Water Quality Programs

DEQ's Water Quality program works to further DEQ's mission by partnering with local governments, communities, businesses, environmental organizations, and the public, and conducting government-to-government consultation with tribal governments. DEQ's objective is to provide an open, consistent, and effective regulatory process.

The program includes more than a dozen sub-programs overseen by the division administrator, deputy division administrator, laboratory administrator, and regional administrators. This includes planning, coordination, compliance and enforcement, and leadership for Oregon's Clean Water Act programs, two programs with a Safe Drinking Water Act nexus, and developing policy and implementing Oregon's state-initiated programs. The programs DEQ administers under federal authorities and programs include:

- Water Quality Monitoring
- Water Quality Standards
- Integrated Report
- Total Maximum Daily Loads
- Nonpoint Source Management
- Drinking Water Protection
- National Pollutant Discharge Elimination System and Water Pollution Control Facility permitting (including pretreatment and biosolids management)
- Stormwater and Underground Injection Control
- 401 Certifications
- Wastewater Operator Certifications
- Clean Water State Revolving Fund

The program is also responsible for carrying out programs under state laws including

- groundwater protection
- water reuse
- regulation of onsite septic systems

The program has a legislatively authorized budget for 241 full-time employees across 12 locations statewide. The Water Quality program's funding comes from Oregon's general fund, other funds (permit fees), and state lottery funds. The program also receives federal funding from the U.S. Environmental Protection Agency through the following grants: Clean Water Act section 106 Water Pollution Control; Clean Water Act section 319 Nonpoint Source Management Program implementation; Clean Water State Revolving Fund capitalization grants and Safe Drinking Water Act administration funds.

Examples of DEQ's program work:

1. Stormwater construction
2. Integrated water resources planning
3. Nonpoint source
4. NPDES MS4 stormwater
5. NPDES industrial wastewater and stormwater
6. NPDES municipal wastewater
7. Underground injection control stormwater
8. TMDL – MOS: margin of safety; LA: load allocation; WLA: waste load allocation; NB: natural background
9. Recycled water
10. Biosolids
11. Industrial pretreatment wastewater treatment
12. 401 certification
13. Sewage and water conveyance
14. Beneficial uses
15. Water pollution control facilities
16. Onsite septic hauling
17. Onsite wastewater system permitting and regulation
18. Water quality monitoring

Sub-program descriptions

Water Quality Program Administration

- Provide leadership and oversight of all statewide programs
- Provide program-wide infrastructure through business and strategic planning professional development coordination, legislative and stakeholder outreach and communications, performance management and rulemaking initiatives
- Develop and update program vision to align with agency goals and priorities
- Budget development, tracking and implementation
- Approve and track program goals, metrics, and milestones to provide clear expectations and alignment of program work

Water Quality Standards

DEQ establishes and updates water quality standards for surface water as part of its federal Clean Water Act requirements. The program establishes standards to protect beneficial uses of Oregon surface waters. Beneficial uses include aquatic life, fish consumption, domestic/drinking and industrial water supply, recreation, and others. Staff perform the following water quality standards activities:

- Conduct a Triennial Review to identify and prioritize needed water quality standards updates and develop a workplan of projects to complete or initiate over the subsequent three years
- Conduct standards reviews and rule revisions to establish and update scientifically based water quality standards
- Develop policy and procedures documents to ensure effective, consistent, and transparent implementation of standards
- Coordinate the program's activities with the EPA's water quality standards program and the Oregon Health Authority
- Adopt variances where needed and appropriate. Variances allow regulated dischargers to make progress toward the water quality standard by reducing pollution where attaining the standard is not currently feasible

Water Quality Assessments

DEQ evaluates and prepares data analyses, reviews, and reporting for a wide range of water quality data and information, which includes:

- Annual reporting of key performance measures, including analysis and reporting for the water quality index
- Reporting on water quality toxics monitoring
- Reporting on statewide groundwater monitoring

A key product is the development of an Integrated Report that meets the requirements of the federal Clean Water Act for sections 305(b) and 303(d) biennially. The report provides the foundation for many other water quality regulatory programs including NPDES permitting, TMDL and 401 certification and is the state's most comprehensive source of water quality information for Oregon's waters. It is an important component of the Clean Water Act framework and

provides valuable information on the status of Oregon's waterways for the public use. DEQ uses existing data from a variety of sources to assess water quality and biennially evaluate whether waters are meeting standards, which includes the 303(d) list of impaired waterbodies. The assessment helps DEQ use state resources more efficiently by focusing its limited resources on waters that are prioritized for restoration by the development of TMDLs.

Water Quality Monitoring, Resource Assessment and Technical Support

DEQ's laboratory collects and analyzes water samples to support DEQ's Water Quality program. DEQ augments its water quality data by using monitoring data from a wide variety of sources, including watershed councils and federal agencies.

DEQ's water quality monitoring programs provide information for all stages of an adaptive management cycle. Water quality data is used to identify the magnitude and extent of emerging issues, determine the appropriate levels of protection for human health and aquatic life, develop water quality management plans, assess compliance with water quality standards and regulations, understand trends in water quality conditions overtime, and measure the effectiveness of water protection projects and programs.

Monitoring

Water quality monitoring activities include:

- Routine water quality monitoring at 160 locations throughout the state
- Implementing the statewide toxics monitoring trending network
- Implementing a statewide groundwater monitoring program
- Monitoring and analysis in three designated Groundwater Management Areas
- Monitoring and analysis susceptible public water facilities for cyanotoxins
- Monitoring for emerging contaminants at public water supply source areas
- Monitoring and analysis of harmful algae blooms in rivers, streams, and lakes
- Monitoring and analysis for the Oregon Beach Monitoring Program in partnership with the Oregon Health Authority
- Implementing EPA's National Aquatic Resource Surveys in Oregon
- Developing and updating Quality Assurance and Sampling Analysis Plans.
- Providing quality assurance (split) sampling at approximately 30 landfills in Oregon
- Supporting studies to determine the relationship between water quality, habitat conditions and biological conditions, and assisting a variety of special studies, including:
    - Collecting monitoring data in support of Total Maximum Daily Load program needs in basins around the state
    - Compliance monitoring studies to determine compliance with permit conditions
    - Measuring the effectiveness of water quality protection programs and measures
    - Monitoring to support evaluation of water quality complaints and investigations

Resource Assessment and Technical Support

DEQ manages all water quality data for the agency through a public access system, called the Ambient Water Quality Monitoring System. The team maintains a series of tutorial videos for the public to better understand how to use the database.

- Data processing and analysis to support the volunteer monitoring program
- Supporting the Pesticide Stewardship Partnership program by working with watershed partners to collect and analyze stream samples during pesticide application periods
- Providing technical assistance, water quality instrumentation, training, and data
- Technical assistance and data processing and analysis to the permitting program
- Technical assistance and data processing and analysis to the TMDL program

Drinking water protection

Drinking water protection is implemented in Oregon through a partnership between DEQ and the Oregon Health Authority (OHA). The program addresses over 2,500 public water systems serving approximately 75% of Oregonians. Under an interagency agreement with OHA and with funding from the Safe Drinking Water Act, DEQ is responsible for source water protection which includes minimizing the risk to the source water before it reaches the surface water intake or groundwater well for a public drinking water system. DEQ uses Clean Water Act tools and pollution prevention to minimize treatment costs and reduce public health risk.

Watershed management

Total Maximum Daily Loads and Water Quality Management Plans

Once a waterbody is identified as not meeting water quality standards and is placed on the 303(d) list, federal law requires states to develop a management plan to meet standards. This plan is called a Total Maximum Daily Load, also known as a clean water plan or TMDL. TMDLs describe the maximum amount of pollutants that can enter the river or stream without exceeding water quality standards. These contaminants may come from municipal, industrial, commercial, or surface runoff sources, including naturally occurring background sources. DEQ develops TMDLs on a basin or sub-basin scale.

Implementing a TMDL often leads to revised permit limits when industrial and municipal wastewater permits are renewed and development of TMDL implementation plans by land managers with jurisdiction in different sectors – agriculture, forestry, urban areas and transportation. On agricultural land, the Oregon Department of Agriculture's Water Quality Management Area Rules and Plans and other voluntary efforts can be used as part of their TMDL implementation plans. On state and private forestlands, the Department of Forestry implements the Forest Practices Act and other efforts described in TMDL implementation plans. On federal lands, the U.S. Forest Service, and Bureaus of Land Management and Reclamation develop TMDL implementation plans, which may draw from those agencies' Water Quality Restoration Plans. In urban areas, local governments develop TMDL implementation plans for nonpoint sources and activities not covered by municipal stormwater permits. Transportation sector TMDL implementation plans are developed by counties, Oregon Department of Transportation and railroads.

Under most circumstances, TMDL implementation plans rely on landowners and land managers within a river basin. Local watershed councils, soil and water conservation districts, and other organizations carry out actions to meet the objectives of the TMDL implementation plans.

Section 319 grants and Nonpoint Source program

Under Section 319 of the Clean Water Act, the Environmental Protection Agency provides funding to states, territories and tribes to implement a wide variety of activities including technical assistance, financial assistance, education, training, technology transfer, demonstration projects and monitoring to assess the success of specific nonpoint source implementation projects. Each year DEQ issues the 319 nonpoint source implementation grants request for proposals. The RFP seeks proposals for nonpoint source pollution control projects in priority watersheds that can be funded through these grants.

DEQ Nonpoint Source Program staff work with municipalities, universities, state agencies, nonprofits, watershed associations, regional planning commissions, and other organizations to develop and implement watershed-based plans in priority watersheds. The 319 grants support implementation of the watershed-based plans, which include TMDL and water quality management plans.

Every five years, the program develops the state's Nonpoint Source Management Program Plan. The plan is a requirement of the Clean Water Act and details the state's plan for controlling pollution added from nonpoint sources and improving water quality. Each year, DEQ prepares the Oregon Nonpoint Source Pollution Program Annual Report which documents progress in meeting the schedule of actions and milestones contained in the Nonpoint Source Plan. The annual report also includes a summary of annual Nonpoint Source Program activities and accomplishments.

The program produces an annual statewide surface water quality status and trends report to support implementation of the TMDL and nonpoint source programs.

Water Quality Permitting

The Water Quality Program issues permits that regulate pollution from point sources discharging to Oregon's surface water and groundwater through its water quality permitting program. The term "point source" generally refers to wastewater or stormwater discharged into water or onto land through a pipe or a discernible channel. DEQ issues two types of permits: federal National Pollutant Discharge Elimination System permits when discharging to surface waters and state Water Pollution Control Facilities permits to protect groundwater. Under Oregon Revised Statutes, Oregon issues NPDES permits to regulate pollutant discharges to surface "waters of the state" which are more broadly defined than the federal definition of "waters of the United States."

The Water Quality Program issues "individual" permits to single facilities and "general" permits to cover classes or categories of dischargers under a single permit. Individual and general permits are issued for a fixed period not to exceed five years for NPDES permits or 10 years for Water Pollution Control Facility permits. The water quality permitting program must carry out the following activities to effectively protect water quality:

- Issue discharge permits that protect or improve the quality of receiving waters, and protect the beneficial uses of those waters (such as drinking, swimming, fishing, and aquatic habitat)
- Inspect facilities and review discharge monitoring reports to ensure adherence to individual and general permit requirements
- Take prompt and appropriate enforcement actions when violations occur

- Provide appropriate technical assistance for regional permit teams, permittees, external stakeholders, and the public to help assure ongoing compliance with individual and general permits
- Develop policy and guidance for permit writing staff to ensure consistent permit development
- Work with internal and external stakeholders to implement process improvements designed to reduce time for permit development, to improve communication, and to provide permits that communities can successfully implement

The permitting program includes permits for industrial wastewater, domestic wastewater, application of biosolids, use of recycled and gray water, operation of pre-treatment facilities, discharge of stormwater to surface waters, and discharge to underground injection control systems. The permitting program currently manages more than 4,500 individual permits and general permits (in part administered by other agents).

Challenges to implementing the permitting program have increased with the growing number and types of permits and their increasing complexity. Achieving program objectives requires effective and coordinated development and implementation of water quality standards, assessments, TMDLs, and federal regulations.

For all permits, DEQ:

- Provides training, interpretation, and coordination with EPA's National Pollution Discharge Elimination System Program
- Coordinates implementation of surface water quality standards and the National Pollution Discharge Elimination System permitting program
- Ensures facility permits are consistent with the Clean Water Act and federal regulations
- Ensures facility permits are consistent with state water quality standards and criteria
- Ensures Water Pollution Collection Facility permits are consistent with state groundwater standards and requirements

Industrial wastewater

- Issues National Pollution Discharge Elimination System permits for various industrial activities and associated wastewater such as seafood processing, commercial logging, steam electric power plants, surface water discharges associated with pesticide application, wood processing and finishing, metals manufacturing and various industrial activities
- Issues Water Pollution Control Facility permits for various industrial activities with discharges or activities (irrigation, lagoon seepage, etc.) that may impact groundwater

Domestic wastewater

- Works with wastewater utilities and Oregonians to help ensure proper treatment and reuse or disposal of treated municipal biosolids and liquids
- Works with internal and external stakeholders through guidance and training for consistency in permit issuance for large publicly owned treatment works and small onsite collection systems
- Implements the industrial pretreatment, biosolids management, and recycled water programs

- Develops and implements the state's Oregon Revised Statutes and Oregon Administrative Rules related to wastewater

Biosolids

Biosolids are the residual solids produced in the treatment of sewage and domestic wastewater that have been subjected to additional treatment such that it can be safely and beneficially used as a soil amendment. All wastewater treatment facilities must manage their solids at some point. The facility can either haul the solids to another permitted facility or dispose of them at a permitted landfill.

Biosolids program activities include:

- Developing and implement the state's biosolids program
- Working with wastewater utilities and the agricultural community to ensure proper treatment and management of domestic wastewater solids
- Providing interpretation and coordination of EPA's biosolids program with internal and external stakeholders
- Providing training and technical assistance to wastewater operators and local municipalities

Recycled water

Recycled water is effluent from a domestic wastewater treatment system that has been treated sufficiently to safely use for a beneficial purpose. The recycled water program encourages the use of recycled water for domestic, agricultural, industrial, recreational, and other beneficial purposes in a manner that protects public health and the environment.

Recycled water activities include:

- Developing and implement the state's recycled water program
- Working with wastewater utilities and other stakeholders to ensure proper treatment and management of recycled water
- Providing training and technical assistance to wastewater operators and local municipalities
- Coordinating with other state agencies to ensure the program protects public health and the environment

Graywater

Graywater is water discharged from domestic showers, bathtubs, bathroom sinks, kitchen sinks without garbage disposals and laundry facilities. The program encourages the use of graywater for beneficial purposes that do not require potable water, to reduce the demand on drinking water sources.

Graywater activities include:

- Developing and implement the state's graywater program
- Working with counties, municipalities, and private citizens to help ensure proper treatment and reuse or disposal of graywater
- Providing training and technical assistance to counties as well as business and homeowners
- Working with internal and external stakeholders to promote safe beneficial reuse of graywater

Pretreatment

- The Industrial Pretreatment program is designed to reduce pollution by reducing the level of toxic pollutants discharged by industry and non-domestic sources into municipal sewer systems.
- Objectives of the pretreatment program include: protection of publicly owned treatment works from pollutants that may cause interference with plant operations; prevention of pollutants from entering receiving waters; improvement of sludge quality for biosolids reuse; and worker safety.

Stormwater

More than 2,300 entities are covered under DEQ's National Pollution Discharge Elimination System municipal, construction, and industrial stormwater permits in Oregon.

Stormwater duties include:

- Developing, issuing, and renewing National Pollution Discharge Elimination System stormwater permits for municipal separate storm sewer systems, or MS4s, construction sites, and industrial facilities associated with certain regulated activities
- Implementing the permits by conducting inspections, technical assistance, and other compliance and enforcement activities under the federal Clean Water Act
- Providing training, interpretation, and coordination with the Environmental Protection Agency's National Pollution Discharge Elimination System and Compliance and Enforcement Programs
- Developing rules and ensuring program consistency for municipalities, facilities, and construction activities associated with stormwater discharges

Underground injection control

The Underground Injection Control (UIC) program protects drinking water sources and aquifers by regulating the construction, operation, permitting and closure of injection wells that place fluids underground for storage or disposal. There are more than 44,000 Underground Injection Control permits registered in Oregon. In Oregon, most systems are associated with stormwater discharge.

UIC duties include:

- Keeping an updated inventory of all injection wells and report them to the EPA as required by federal regulation
- Issuing state permits or written approval to owners or operators of systems to operate qualifying systems that are rule authorized
- Issuing written DEQ approvals to properly close existing systems

Compliance data management

As part of its responsibility to implement the federal NPDES permitting program in Oregon, DEQ must provide EPA with regular reports on compliance activities. The Water Quality program inspects permitted facilities and responds to complaints for both NPDES and WPCF permitted activities. When a permit violation occurs, DEQ may initiate progressive informal to formal enforcement action.

Specific program activities to support these responsibilities include:

- Facilitating statewide coordination of compliance and enforcement activities relating to the state's domestic and industrial wastewater and stormwater programs
- Tracking compliance with the EPA/DEQ Performance Partnership Agreement by setting statewide goals, reporting annually on DEQ inspections, facilitating discharge monitoring report reviews and enforcement activities, and responding to periodic EPA State Review Framework audits
- Reporting National Pollution Discharge Elimination System permit data to the EPA, including permit inventories, compliance inspections, enforcement actions and discharge monitoring data
- Planning for future water quality data needs and supports and maintaining agency and water quality program data systems
- Providing subject matter expertise in developing permits in state and federal systems.
- Issuing invoices and tracking payment of water quality permitting fees

401 certification

Section 401 of the Clean Water Act gives states and authorized tribes the authority to grant, deny, or waive certification of proposed federal licenses or permits that may discharge into waters of the United States. In Oregon, DEQ reviews proposed projects under this requirement, and Section 401 compliance is documented through a water quality certification, issued through the Water Quality program. Nearly all such federal licenses or permits either come from the U.S. Army Corps of Engineers for dredge and fill activities or from the Federal Energy Regulatory Commission for hydroelectric or other proposed energy projects.

Wastewater Operator Certification

Oregon statute requires domestic sewage facilities to operate under the supervision of a certified wastewater operator. The Water Quality program oversees the development of the requirements for wastewater operator certification, evaluates certification applications, provides standardized exams, and issues certificates to qualified operators. The statewide program supports an estimated 1,400 wastewater treatment plant and collection facility operators. DEQ coordinates its efforts with the Oregon Health Authority, which certifies drinking water treatment and distribution system operators in Oregon.

Onsite septic wastewater systems

More than 30% of Oregonians dispose of their wastewater through onsite septic systems, primarily residential systems. DEQ regulates their siting, design, installation and ongoing operation and maintenance. Staff within the Water Quality program manage these regulations. Without careful maintenance, septic systems can fail prematurely and result in a public health hazard caused by surfacing sewage and pollution that can impact streams and groundwater. DEQ directly manages the onsite program in five counties, referred to as "direct service" counties: Jackson, Coos, Baker, Union, and Wallowa. The remaining counties manage the program under contract with DEQ, referred to as "contract counties."

Rural restaurants, breweries and manufactured home parks often have large onsite wastewater systems or high-strength wastewater. DEQ permits these facilities in all 36 counties using a Water Pollution Control Facilities onsite permit. These systems are often complex and require a greater level of evaluation, design, maintenance, and operation.

The Onsite Septic program's responsibilities include:

- Processing septic system applications in counties where DEQ provides direct service
- Providing technical assistance and oversight to local governments that contract with DEQ to conduct the onsite program within their jurisdictions
- Providing technical assistance, education and outreach to the public, manufacturers, licensed installers and pumpers, maintenance providers and other organizations
- Implementing and overseeing the licensing program for onsite system installers and septic tank pumpers
- Responding to complaints, such as failing onsite systems and illegal installations of septic systems. Some complaints lead to formal enforcement and others are resolved with cooperation from the violator
- Working with Chemeketa Community College, the Oregon Onsite Wastewater Association, and other stakeholders to provide certification and continuing education opportunities for installers and maintenance providers
- Convening and participating in stakeholder and technical conferences and meetings to provide education and outreach
- Reviewing new products for use in septic systems in Oregon

In the 2021-2023 biennium session, the Oregon legislature reauthorized $2 million in funding for a septic loan program for residents and small businesses to apply for affordable and flexible loans to repair or replace their septic systems or connect to existing sewer lines. The program, which was established by the legislature in 2016, is provided in partnership with nonprofit lender Craft3.

DEQ established the Onsite Septic Financial Aid Program to issue pass-through grants using the $15 million program funded by the federal American Rescue Plan Act in 2021. The program provides direct grants and loans for septic system evaluations, repairs, and replacements to agencies and other qualified institutions. Priorities include 2020 wildfire recovery projects and assistance to low- and moderate-income Oregonians across the state.

Groundwater

Over 90 percent of Oregon's available freshwater is stored beneath the earth's surface as groundwater. Approximately 70 percent of Oregonians depend on groundwater for their daily water needs, particularly in rural, low-income or disadvantaged communities underserved by municipal services. Understanding and protecting Oregon's groundwater resources is a core element of Oregon's Integrated Water Resources Strategy. The Strategy emphasizes the importance of groundwater quality and quantity that are becoming more critical as Oregon experiences increased effects of drought and climate change. Protecting vulnerable groundwater areas requires effective implementation of Oregon's groundwater protection act, including working with local stakeholders to develop and implement groundwater action plans to improve groundwater quality. DEQ is responsible for monitoring groundwater quality in these

areas to help guide protection activities and providing technical assistance to communities engaged in groundwater protection efforts.

Clean Water State Revolving Fund loans

The Water Quality program administers the Clean Water State Revolving Fund loan program that is capitalized primarily through loan repayments. Annually, federal appropriations also capitalize the fund in an amount equaling 5% to 7% of funds available to loan. The program supports public agencies with solving water quality problems by providing below market rate loans. DEQ issued its first loan under the program in 1990. Since then, the program has loaned more than $1.53 billion to more than 200 Oregon communities, counties, irrigation districts, and other public agencies and districts.
Specific program activities include:

- Providing technical assistance to potential borrowers to understand and successfully implement loan applications and funded projects compliant with program requirements
- Implementing a variety of marketing and outreach efforts to solicit loan applications and increase the number of new loans
- Coordinating and partnering with other financing partners including EPA, Business Oregon, and USDA – Rural Development
- Financial management and tracking of program funds compliant with federal and state requirements

For state fiscal year (SFY) 2023, the loan program will have approximately $287,743,437 available for eligible projects. The program set aside $78,152,608 to assist small communities with a population of 10,000 or less. In addition, a portion of the federal grant is set aside for sustainable green projects; this amount is currently about $1,307,100. From SFY22 to date, 81% of active projects address point source improvements, such as wastewater treatment and collection systems, and 19% address nonpoint source water quality improvements including irrigation, stormwater management, septic tank repair and replacement, stream bank, flood plain and wetland restoration projects.

The new federal legislation (Bipartisan Infrastructure Law) passed in November 2021, and includes $12 billion allocated directly to CWSRFs across the country over the next five years. Program staff continue working with EPA to determine BIL requirements and are working to implement the new requirements for Oregon’s CWSRF program.

2022 Water Quality Program successes

Program-wide accomplishments

- Several Water Quality programs went live in DEQ's new Environmental Data Management System known as Your DEQ Online (YDO). YDO provides an easy and intuitive online system for connecting to DEQ. The following programs are currently live in YDO, with more being added in 2023:
    - 401 Certification
    - Industrial & Construction Stormwater
    - Sewage Disposal Service Business License
    - Underground Injection Control
- As directed by the 2021 Legislature, section 112 of House Bill 5006, the program, in partnership with other water agencies, initiated a scoping project to develop recommendations for a complex data modernization and accessibility effort. If the next phases are funded, the effort would provide a web-based single point of access for water managers, decision makers and communities to access the breadth of water-related data through a common portal to help inform decision making and investments regarding water management. The preliminary scoping report will be completed in early 2023 and submitted to the legislature to inform the next steps for the project. The final report is currently in development and expected in June 2023
- 71 Water Quality recruitments were initiated statewide in 2022; 64 of these recruitments resulted in accepted job offers and successful onboarding of staff to these positions.
- The program supported and assisted DEQ's transition to Workday Payroll and Timekeeping

Water Quality Standards

- Completed a draft update to the Variance Internal Management Directive to account for new federal and state rules
- Completed background research and a draft technical support document/issue paper for the aquatic life toxics criteria update
- Aquatic Life Use Update Project
    - Completed seven technical workgroup meetings
    - Completed proposed rule language and a technical support document to support the rule amendments
    - Successfully completed six Rule Advisory Committee meetings.
    - Completed draft Use Attainability Analyses for numerous waterbodies
- Evaluated a rulemaking petition to designate the Metolius River an Outstanding Resource Water. Presented the petition and recommendations to the EQC in September 2022
- Completed conversion of water quality standards web pages to the new format and updated the web pages
- Participated in internal workgroups regarding stressor identification for application of the biocriteria and developed the scope of work related to biocriteria implementation procedures

- Assisted in developing ocean acidification and hypoxia assessment methodology based on the marine water biocriteria and dissolved oxygen standards

Water Quality Monitoring

- Safely brought in over 7,000 samples representing over 45,000 analyses
- Completed PFAS sampling at small public water systems in conjunction with Oregon Health Authority
- Completed the National Lakes Assessment monitoring in Oregon
- Monitored 160 ambient monitoring stations six times each in 2022
- Monitored 76 locations across 20 beaches for the Oregon Beach Monitoring Program from May through September
- Coordinated sample collection and analysis of cyanotoxin samples for 55 public water facilities from May through October
- Coordinated sample collection and analysis of pesticide samples with 9 watershed partners from February through September
- Completed Klamath Groundwater monitoring study
- Collaborated and coordinated water monitoring programs with other state natural resource agencies through the Strategic Enterprise Approach to Monitoring team (STREAM Team)
- Facilitated internal opportunities to subject matter experts and water quality managers provide input on water monitoring activities and resource allocations through defined governance processes

Water Quality Assessments

- Submitted the 2022 Integrated Report to EPA on time and received full EPA approval.
  - Submission included a detailed response to public comments and an online 305(b) story map
- Prioritized short- and long-term priorities for 2024 and 2026 Integrated Report methodology updates
- Completed outreach for 2024 Integrated Report methodology updates
- Completed 2024 Integrated Report methodology for public comment from January to February 2023
- Prepared 2024 Call for Data in February 2023
- Successfully conducted a technical workgroup group process to develop an assessment methodology for evaluating the impacts of ocean acidification and hypoxia to biological communities in Oregon marine waters

Resource Assessment and Technical Support

- Completed annual reports of Oregon Water Quality index and associated key performance measures
- Completed data analysis and third-party data intake in support of the draft 2024 Integrated Report
- Drafted NE River Basin Toxics Monitoring Summary and published in early 2023

Drinking Water Protection

- Provided technical assistance to public water systems, local partners, and their communities to improve or protect drinking water quality including connecting them with state and federal funding sources. This includes leveraging technical assistance and state drinking water source protection fund grants to obtain additional federal grant funding from U.S. Forest Service, Bureau of Land Management, EPA and Natural Resource Conservation Service within Oregon watersheds
- Enhanced drinking water resiliency by working with public water systems, land trusts and local partners to leverage voluntary tools like land acquisition and conservation easements so water systems have better control over land management within their drinking water source area. As part of this effort, DEQ in conjunction with EPA and other partners hosted two well-attended source water protection workshops focused on using land conservation tools. A number of communities are pursuing land conservation and DEQ is collaborating with CWSRF and other funders to provide assistance. Drinking water protection staff have been assisting with grant and loan applications for funding. Workshop materials including presentations, notes and resources are now available: Source Water Protection Workshops
- Developed and implemented a Small Systems Outreach Project designed to build the capacity of small (serving fewer than 500 people) public water system operators and reliant communities to protect their drinking water source areas through education, technical assistance, and relationship building. Contacted over 100 small systems that are manufactured home communities resulting in about 50 small public water systems initiating some protection activities and 10 manufactured home communities reaching substantial implementation. Developed a story map of progress
- Implemented PFAS Screening and Assessment Project Plan to address per- and polyfluoroalkyl substances as emerging chemicals of concern in Oregon's public water system drinking water sources. Provided guidance and technical assistance to OHA as approximately 150 small public water systems were sampled for PFAS compounds Sample collection and analysis was completed by DEQ's laboratory. In addition to the PFAS sampling project, DEQ drinking water protection staff were part of a PFAS workgroup that provides for consistent collaboration between all DEQ divisions and the laboratory to develop a PFAS Strategic Plan that aligns with EPA's PFAS Strategic Roadmap. The plan will inform future implementation work at DEQ
- Coordinated with the nonpoint source program by preparing data on drinking water sources and water quality issues for Agricultural Water Quality Management Plans, providing comments on the DEQ/ODA Memorandum of Understanding. Continued working with habitat conservation plans (state and private) which have an indirect benefit to drinking water sources, coordinating with basin coordinators on TMDL development and implementing, and completing sections of DEQ's Nonpoint Source Management Plan and annual report to EPA
- Coordinated with OHA on sampling of public water system sources for cyanotoxins. Provided input to DEQ's Harmful Algal Blooms Strategic Plan update
- Continued coordination with Office of Emergency Management and others on post-2020 wildfire response and recovery

Watershed Management

Total Maximum Daily Loads and Water Quality Management Plans

- Completed rule amendment process in February 2022 to allow Total Maximum Daily Loads to be adopted as rules by the EQC, as well as issued as DEQ orders
- Temperature TMDL replacement projects: continued to meet interim milestones for achieving the court ordered schedule for reissuance of temperature TMDLs, initiated rulemaking process for Willamette Subbasins and Lower Columbia-Sandy Subbasin – 1st batch of temperature replacement TMDLs due January 2024
- Initiated rulemaking to complete development of TMDLs for the Upper Yaquina, Powder and Coquille subbasins in 2023 and 2024
- Completed five-year update of the Oregon Nonpoint Source Management Program Plan and received EPA approval on Nov. 2, 2022
- The regional TMDL and Nonpoint Source Program staff performed: review of TMDL implementation plans; TMDL annual reports; Oregon Department of Agriculture area plans; complaint response and enforcement actions; Oregon Water Resources Department Division 33 reviews; and Oregon Watershed Enhancement Board grant reviews

Section 319 grants and Nonpoint Source program

- Completed the 2021 Nonpoint Source Annual Report and received satisfactory progress notification from EPA for implementation of the Nonpoint Source Management Program Plan
- Completed the annual Oregon statewide status and trends report
- Provided support to public water systems and communities for land purchase and conservation easements to protect natural infrastructure for drinking water sources
- Updated Memorandum of Understanding with Oregon Department of Forestry to continue collaborating to achieve water quality goals related to forestry nonpoint source pollution
- Updated Memorandum of Agreement with Oregon Department of Agriculture to continue collaborating to achieve water quality goals relating to agricultural nonpoint source pollution

Water Quality Permitting

- Action taken on 38 total National Pollution Discharge Elimination System individual permits for issuance, modification (major/minor), and termination
- Renewed 2300-A general permit
- Finalized and posted the 2022 annual water quality NPDES permitting program report
- Updated the annual NPDES individual permit issuance plan for 2023 and the five-year (2023-2027) NPDES individual permit issuance plan that includes all 310+ individual permits
- Completed significant revisions to the NPDES Individual Permit template for major and minor domestic permits in January and July 2022 as well as a major revision to the fact sheet template

- Further developed key processes for permit development (reasonable potential analysis, data gap analysis, and subject matter experts)
- Published a new document “Guidance for NPDES and WPCF Permit Monitoring”
- Issued a total of six new and renewal Water Pollution Control Facility permits
- Inspected four Water Pollution Collection Facility facilities
- Inspected 26 NPDES wastewater facilities

Pretreatment

- Conducted two annual pretreatment program audits including associated industrial site inspections and one pretreatment program compliance inspection
- Delegated two approved pretreatment local programs
- Reviewed 23 pretreatment program modifications and nine industrial user categorical determinations

Biosolids

- Reviewed 26 biosolids management plans, six industrial solids plans, 20 recycled water use plans and eight industrial water use plans statewide

Stormwater

- Processed and issued permit coverage for 1200-C construction and 1200-Z industrial stormwater general permit applications
- Modified the 1200-Z industrial stormwater general permit
- Renewed the 1200-CA construction stormwater general permit
- Conducted 19 industrial, 60 construction and six municipal stormwater inspections
- Renewed six municipal separate storm sewer system permits, commonly called an MS4 Phase I permits
- Your DEQ Online went live in September 2021 and program staff continued to provide feedback and system enhancements throughout 2022

Underground Injection Control

- Took action on four Water Pollution Collection Facilities Underground Injection Control permit applications for issuance, modification, and other regulatory options
- Your DEQ Online went live in September 2021 and program staff continued to provide feedback and system enhancements throughout 2022
- Completed the “wet feet” UIC study. Wet feet are UICs that discharge directly to underground water, there is not a layer between the discharge and aquifer

Compliance Data Management

- More than 99% of individual National Pollutant Discharge Elimination System permit holders are enrolled in electronic Discharge Monitoring Report reporting, exceeding the nationwide goal of at least 95%
- Continued to support successful electronic reporting for stormwater permittees
- Will deploy electronic reporting for NPDES and WPCF general permit registrants and WPCF individual permit holders through 2023
- Transitioning individual NPDES permittees from NetDMR to Your DEQ Online for DMR reporting

- Developed numerous tools to support DEQ's permit compliance monitoring activities, including monthly reports of permittees' effluent, and reporting violations, compliance history summaries to assist staff with inspections, and ad hoc reports to inform compliance policy decision making. This increased access to compliance information and attention to compliance data management has resulted in Oregon having one of the lowest rates of significant non-compliance among individual NPDES permit holders compared to other states

401 Water Quality Certification

- Dredge and fill staff issued over 212 certifications, conducted 17 inspections to ensure compliance
- Hydroelectric dam staff issued one certification decision in 2022 for the construction, operation, and maintenance of new pumped storage facilities at the PacifiCorp North Umpqua project
- Continued oversight of implementation of several significant certifications including the Clackamas River hydroelectric project, the Pelton Round Butte hydroelectric project and the Carmen Smith hydroelectric project
- Your DEQ Online went live in September 2021 and both 401 sub-programs continued to provide feedback and system enhancements throughout 2022

Wastewater Operator Certification

- Continued oversight and processing of new and renewal license applications in coordination with OHA
- Presentation and training at conferences
- Continued supporting, testing, feedback, and system enhancements in preparation of going live with Your DEQ early 2023

Onsite septic wastewater systems

- Processed new and renewal license applications for more than 800 sewage disposal professionals
- The four residential and small systems permitting agents issued 185 site evaluation reports, 199 construction permits, 245 repair permits and alterations, and 128 authorization notices
- Completed 62 inspections of septic systems regulated under water pollution control facility permits (WPCF-OS), which was more than twice the number of inspections in 2021. The increase in inspections was made possible in part by the efforts of a new limited duration staff member focused on inspections and permit renewals in the Eastern Region
- Issued six new WPCF-OS permits and renewed 50 existing permits; a 20% increase in permits issued compared to 2021
- Provided more than 4,000 hours of technical support to consultants, engineers, installers, county agents, state and federal agencies, and permittees. This assistance was especially important in 2022 to support permittees and communities recovering from the historic 2020 Wildfires

- Awarded more than $9.4 million in grants to public agencies and community development financial institutions to assist with septic system repairs and replacements. This included $7.4 million of prioritized federal funding for properties impacted by the 2020 Wildfires and $2 million for the affordable septic loan program
- Transitioned sewage disposal service licensing programs to Your DEQ Online
- Prepared for transition of WPCF-OS permitting to Your DEQ Online including system testing and modifications, development of operating procedures, and staff training

Clean Water State Revolving Fund

- Updated administrative rules to meet requirements of the Bipartisan Infrastructure Law of 2021: principal forgiveness, project ranking and scoring, environmental justice metrics, the Intended Use Plan and supplemental CWSRF funding available over a five-year period. Submitted rule changes to EQC for adoption
- Staff supported data gathering and reporting for the Clean Water Needs Survey
- Signed 11 new loan agreements, and 11 loan amendments that increased existing loan commitments to current borrowers, for a total of 22 agreements worth $46,651,545
- Disbursed $64,467,554 in state and federal funds to new and current projects
- Received and processed 14 new loan applications. Eleven of these signed a loan agreement, and three are still in the process of completing the necessary requirements to proceed to a loan agreement. Five of the total 14 new applications resulted from One Stop meetings within the previous two years. 75% of new applications were from repeat borrowers
- Participated in nine One Stop (multi-funder coordination) meetings resulting in: five new loan applications; two did not proceed with the project, and two pursued other financing sources
- Technical assistance and outreach: attended seven conferences, participated in 15 training sessions, and provided technical assistance to 12 potential borrowers, resulting in five new loan applications
- Remained financially stable with current projected solvency for at least 30 years at 2022 funding and repayment levels
- Met all Oregon Secretary of State and federal EPA audit requirements

Appendix A – 2023 Work Plan

Water Quality programs: Core work, program metrics, and special projects

Introduction

Appendix A functions as the Water Quality program 2023 work plan. It identifies the core work for each component of the Water Quality program and how performance of that work is measured.

Core work is generally consistent from year to year. Special projects, in comparison, are those efforts that are unique to a calendar year and often fall under the category of process improvement. Special Projects Tables represent activities that are limited in duration or that may be in addition to Core Work.

Program Metrics provide workload measurements, and projected completion dates (as applicable). A resource and decision-making model, called R.A.C.I., shows who is responsible, accountable, consulted, and informed. The R.A.C.I. model is a matrix of activities or decision-making authorities in an organization. DEQ's director and leadership team support using the model as an effective approach to understanding and communicating how decisions are made at the agency.

Water Quality Standards and Assessments: Core Work

Water Quality Standards

- Conduct standards reviews and rule revisions to establish and update scientifically based water quality standards based on the most up to date scientific data and information
- Conduct water quality standard triennial review every three years
- Plan and develop individual and multiple discharger variances and use attainability analyses
- Develop policy and procedures documents to ensure effective, consistent, and transparent application of water quality standards through collaboration with other water quality programs, including Water Quality Assessment, Watershed Management, NPDES permitting and 401 certification
- Coordinate and collaborate with stakeholders, the EPA, the National Marine Fisheries Service (NMFS), US Fish and Wildlife (USFW), the Oregon Department of Fish and Wildlife (ODFW) and other state and local agencies during water quality standard development
- Provide opportunities for the public and stakeholder input
- Provide water quality standards information to the public

Assessments

- Submit the Integrated Report to EPA for approval every two years
- Assess water quality data from internal and external sources
- Evaluate and report on surface water quality status relative to beneficial use attainment
- Develop and update guidelines, policies, and methodologies used for assessment purposes
- Collaborate with DEQ lab staff to develop the statewide monitoring strategy
- Collaborate with DEQ lab staff on monitoring data collection, assessment, and development of the integrated report
- Facilitate public engagement while implementing process changes and reporting on impaired waters
- Provide information to the public
- Provide opportunities for the public and interested groups to give input on assessment methodology updates and reporting tools

Water Quality Standards: Metrics

Standards	Projected Completion Date	DEQ Resourcing				Metric/ Deliverable	Comments
		R	A	C	I		
Update Aquatic Life Use Designations; conduct Use Attainability Analysis (UAA)	Sept./Nov. 2023	Program manager	WQ administrator	All Water Quality Programs; Stakeholders	All Water Quality programs and stakeholders	Project plan milestones met; use updates adopted and submitted to EPA.	Update based on new data. Rulemaking process.
Revise DO use subcategory definitions in 340-041-0002; and update pH criteria for Crooked River basin.	Sept./Nov. 2023	Program manager	WQ administrator	All Water Quality Programs; Stakeholders	All Water Quality programs and stakeholders	Revisions adopted and submitted to EPA.	Rulemaking process.
Temperature Variances – approach & case studies	Jul. 2023	Program manager	WQ Administrator	All Water Quality Programs;	All Water Quality programs and stakeholders	Temperature approach and case studies completed.	Case studies awaiting final information from Oregon ACWA. The variance process is included in the IMD
Variance IMD	June 2023	Program Manager	WQ Administrator	Permitting	All water quality programs and stakeholders	Procedures to evaluate and issue variances completed	The variance IMD is going through final revisions.
Outstanding Resource Water Nomination Process	Jun. 2023	Program Manager	WQ Administrator	All Water Quality Programs; Stakeholders	All Water Quality programs and stakeholders	Nomination process developed; stakeholders informed.	
Biocriteria stressor ID procedure	Dec. 2023	Standards and Lab Program Managers	WQ Administrator	All Water Quality Programs;	All Water Quality programs and stakeholders	Procedure completed	The project is cross-program and being led by the biomonitoring staff at the lab. The project timeline needs to be aligned with the same project in the lab WQ Monitoring Section

Standards	Projected Completion Date	DEQ Resourcing				Metric/ Deliverable	Comments
		R	A	C	I		
Procedures to apply criteria related to algal growth and nutrients	Dec. 2023	Program manager	WQ Administrator	All Water Quality Programs;	All Water Quality programs and stakeholders	Procedure completed	

Water Quality Assessments: Metrics

Assessments	Projected Completion Date	DEQ Resourcing				Metric	Comments
		R	A	C	I		
Scientific Technical Workgroup for OAH	May 2023	Program manager	WQ administrator and Laboratory administrator	Standards and Assessments and DEQ Core OAH Group	All Water Quality program and public	Final OAH method recommendation	Will use the technical workgroup process in place of peer review
Draft 2024 Assessment Methodology Public comment period	Jan. 2023	Program manager	WQ administrator and Laboratory administrator	All Water Quality programs	All Water Quality program and stakeholders	Public comment period opened	Draft 2024 Assessment Methodology Public comment period for inland and estuarine waters
Methodology to assess narrative toxics criteria and tissue toxics	Q3 2023	Program manager	WQ administrator and Laboratory administrator	All Water Quality programs	All Water Quality program and stakeholders	Narrative and tissue toxics assessment method	Assessments will work with Standards staff on development. Draft method will require peer review.
Prioritization for 2026 Integrated Report Methodology updates	Q4 2023	Program manager	WQ administrator and Laboratory administrator	All Water Quality programs	All Water Quality program and stakeholders	Methodology priorities for 2026	Priorities will include several long-term methodologies such as freshwater biocriteria and narrative toxics criteria
Draft 2024 Integrated Report Public	Q4 2023	Program manager	WQ administrator and	All Water Quality programs	All Water Quality	Draft 2024 Integrated Report for 2024	Public comment on 2024 IR includes inland waters, estuary and ocean assessments

Assessments	Projected Completion Date	DEQ Resourcing				Metric	Comments
		R	A	C	I		
comment period			Laboratory administrator		program and stakeholders		

Water Quality Monitoring: Core work

- Collect and analyze water quality data to develop water quality standards
- Collect water quality data to support the Integrated Report development
- Report Oregon Water Quality Index statistics for Key Performance Measures
- Collect and analyze water quality data for the development of TMDLs
- Collect and analyze cyanotoxins data for the protection of vulnerable public water supplies
- Collect and analyze bacteria samples for to protect recreational beach use
- Collect and analyze pesticide samples to inform watershed partners
- Provide technical assistance and data management for volunteer monitoring partners
- Collect and analyze groundwater samples in three designated Groundwater Management Areas (GWMA)
- Collect and analyze groundwater samples in one area annually outside of GWMAs

Water Quality Monitoring: Metrics

Water Quality Monitoring	Target	Projected Completion Date	Resourcing				Metric	Comments
			R	A	C	I		
Collect water quality samples according to sampling schedule	90 % of planned sampling work completed	Dec. 2023	Water quality monitoring staff	Water Quality Monitoring Manager	Monitoring sub-committees	WQ Program administrators and managers	% of sample collected according to plan	

Water Quality Monitoring	Target	Projected Completion Date	Resourcing				Metric	Comments
			R	A	C	I		
Meet Turn-around-Time objectives identifies in Quality Assurance Project Plan	90% of water quality data is qualified and finalized within specified TAT	Dec. 2023	Laboratory Project Manager	Water Quality Monitoring Manager	HQ and Regional staff	WQ Program administrators and managers	% of data meeting specified TAT objectives	
Oregon Water Quality Index (OWQI) Report is completed in First Quarter	OWQI report is available for Key Performance Measures reporting	Feb. 2023	Resource Assessment and Technical Support Staff	Resource Assessment and Technical Support Manager	WQ Monitoring, Basin Coordinators	KPM coordinator, Basin Coordinators, Watershed Management Staff	OWQI report in time for KPM reporting	
Review, Qualify, and Store Volunteer Monitoring organizations data within 90 days of receipt.	Volunteer data submitted to DEQ laboratory is incorporated and publicly available through the Ambient Water Quality Monitoring System.	Ongoing	Volunteer Monitoring Coordinator	Water Quality Monitoring Manager	Volunteer Monitoring Coordinators, Watershed Management Staff, Assessment staff	Oregon Watershed Enhancement Board Staff	% of volunteer organization data finalized within 90 days	

Drinking Water Protection: Core Work

Drinking Water Protection

- Implement interagency agreement with Oregon Health Authority (OHA) to promote drinking water protection in Oregon by providing technical assistance to public water systems and communities
- Assist OHA in updating and enhancing source water assessments for public water systems using groundwater sources and evaluate risks to all drinking water source areas in cooperation with state and federal agencies and other interested parties
- Serve as lead agency in coordinating drinking water source protection activities with other state and federal agencies in Oregon. Leverage the Clean Water Act and other programs and authorities to protect public water supplies

Drinking Water Protection: Metrics

Drinking Water	Target	Projected Completion Date	DEQ Resourcing				Metrics	Comments
			R	A	C	I		
Source Water Assessments (groundwater sources)	Maps and data development for OHA	Ongoing	DEQ HQ and Region Drinking Water staff	OHA Drinking Water staff and manager	OHA DW staff	WQ Program; OHA Public Health	Completed maps and data for updated SWA for groundwater C and NTNC PWSs in Oregon; maintain GIS layers for GW wells, springs and source areas	OHA is responsible for GW source water assessments

Drinking Water	Target	Projected Completion Date	DEQ Resourcing				Metrics	Comments
			R	A	C	I		
Assistance to Public Water Systems	Provide information, funding, coordination/ assistance w/ partners and other agencies	Ongoing	DEQ HQ and Region Drinking Water staff	Section manager; OHA Drinking Water staff and manager	OHA DW staff; HSPIG; TMDL/NPS staff; DEQ Lab staff; Regional DEQ staff- multiple programs in Land and Water	WQ Program; OHA Public Health	Number of PWSs achieving "Substantial Implementation" by prevention/ remediation of contaminant issues. Develop an implementation checklist for activities that qualify as substantial implementation for various sized PWSs.	EPA reporting measure for states is annual reporting of number and population of community PWSs with "substantial implementation"
Drinking Water-related Agency and Partner Coordination	Serve as lead agency in coordinating drinking water source protection activities with other state and federal agencies in Oregon. Leverage the Clean Water Act and other programs and authorities to protect public water supplies.	Ongoing	DEQ HQ and Region Drinking Water staff	Section manager; OHA Drinking Water manager	OHA DW staff; HSPIG; TMDL/NPS staff; Regional DEQ staff- multiple programs in Land and Water	WQ Program; OHA Public Health	Analyze contaminant sources; provide information; ensure other agencies' operations support source water protection; assist collaborative efforts to protect source water; provide input for MOU/MOAs with other agencies; Provide key info on drinking water risks for Ag WQMPs. Support turbidity TMDL development	
Potential Contaminant ID and	Analyze contaminant sources; prioritize protection/	Ongoing and as needed	DEQ HQ and Region Drinking	Section manager; OHA Drinking	OHA DW staff; HSPIG;	WQ Program; OHA	Dissemination of analysis results; PWS planning and implementation of	Analyze contaminant sources including emerging sources such as PFAS; prioritize

Drinking Water	Target	Projected Completion Date	DEQ Resourcing				Metrics	Comments
			R	A	C	I		
Susceptibility Analysis	remediation activities; provide information to PWSs and partners		Water staff	Water manager	TMDL/NPS staff	Public Health	source water protection activities; prevention/ remediation of contaminant issues; maintain GIS layers of potential contaminant sources; evaluate PWS susceptibility to cyanoHABs to support OHA sampling; Track cyanotoxin sampling and provide technical assistance as needed. Provide DW input to DEQ's PFAS strategic action planning. Track wildfire perimeters and coordinate with OHA and PWS as needed	protection/ remediation activities; provide information to PWSs and partners
Outreach to Public Water Systems interested in local land acquisition and management strategies	Provide information, funding, coordination/ assistance w/ partners and other agencies	Ongoing	DEQ HQ and Region Drinking Water staff	Section manager; OHA Drinking Water staff and manager	OHA DW staff; HSPIG; TMDL/NPS staff; CWSRF staff, Regional DEQ staff	WQ Program; OHA Public Health	Number of PWSs contacted and informed of grants, funds, and technical assistance available; number of PWSs actively pursuing land conservation actions.	
Grants and Funding	Participate in grant review cycle for DWPP,	ongoing	DEQ HQ and Region	Section manager; OHA Drinking	OHA DW staff; HSPIG;	EPA; OHA	Provide grant review input to funding agency/program and	OHA responsible for submission. DEQ

Drinking Water	Target	Projected Completion Date	DEQ Resourcing				Metrics	Comments
			R	A	C	I		
	DWSPF, CWSRF/NPS, NRCS and Section 319 grants.		Drinking Water staff	Water staff and manager	TMDL/NPS staff; CWSRF staff, Federal Partner staff	Public Health	project support for grant funded projects	provides goals and measures
Environmental Justice	Incorporate EJ principles into DWP tasks	ongoing	DEQ HQ and Region Drinking Water staff	Section manager; OHA Drinking Water staff and manager	OHA DW staff; other agency program staff	EPA; OHA Public Health	Ongoing participation and assistance to DEQ's EJ/DEI team. Work with OHA to develop screening tools for EJ communities	
EPA Annual Report	Report on EPA measures and provide summary of Oregon's Source Water Protection activities and successes	Sept. 2023	OHA, HQ and Region Drinking Water staff	OHA Drinking Water manager	OHA DW staff;	EPA; OHA Public Health	Annual Report	OHA responsible for submission. DEQ provides goals and measures

Watershed Management: Core work

- Develop, issue and implement TMDLs and water quality management plans
- Evaluate the status of achieving TMDLs, and water quality targets and goals
- Participate in the biennial reviews of Oregon Department of Agriculture (ODA) area rules and plans
- Develop and implement Nonpoint Source Management Program plan and annual reports
- Develop statewide surface water quality status and trend report
- Issue 319 grant RFP and administer grant agreements
- Work with designated management agencies, Oregon Department of Forestry and ODA on water quality implementation plans
- Provide technical assistance to DEQ staff, internal and external workgroups, other state and federal agencies and interested public
- Respond to water quality complaints
- Conduct water quality enforcement

Total Maximum Daily Loads: Metrics

TMDL	Target	Projected Completion Date	DEQ Resourcing				Metric	Comments
			R	A	C	I		
Coquille TMDL/WQMP	TMDL/ WQMP development by rule	Rule Advisory Committee meetings and start public comment by Nov. 2023	Watershed Management section manager, HQ and Regional TMDL staff	WQ Administrator and Laboratory Administrator	Regional TMDL managers, WQ Standards, Integrated Report, Permit program, Communications team	All Programs	TMDL/ WQMP, Issuance upon completion of rulemaking	Developed for bacteria, DO, pH, temperature

TMDL	Target	Projected Completion Date	DEQ Resourcing				Metric	Comments
			R	A	C	I		
Upper Yaquina TMDL/WQMP	TMDL/ WQMP development by rule	Rule Advisory Committee meetings and start public comment by May 2023	Watershed Management section manager, HQ and Region TMDL staff	WQ Administrator and Laboratory Administrator	Regional TMDL managers, Water Quality Standards, Integrated Report, Permit program, Communications team	All Programs	TMDL/ WQMP, Issuance upon completion of rulemaking	Developed for bacteria, DO
Powder River Subbasin TMDL/WQMP	TMDL/ WQMP development by rule	Rule Advisory Committee meetings and start public comment by Jun. 2023	Watershed Management section manager, HQ and Region TMDL staff	WQ Administrator and Laboratory Administrator	Regional TMDL managers, Water Quality Standards, Integrated Report, Permit program, Communications team	All Programs	TMDL/ WQMP, Issuance upon completion of rulemaking	Developed for bacteria
Temperature TMDL Replacement Projects	TMDL/WQMP Development by rule	To meet court ordered schedule	Watershed Management section manager, HQ and Region TMDL staff	WQ Administrator and Laboratory Administrator	Regional TMDL managers, Water Quality Standards, Integrated Report, Permit program, Communications team	All Programs	TMDL/ WQMP, Issuance upon completion of rulemaking	Developed for temperature
Annual TMDL Plan Reviews	All annual reports are reviewed within 90 days	Ongoing	Regional TMDL staff	Regional TMDL managers	Healthy Stream Partnership Implementation-on Group*	WQ Management Team	% of reports received reviewed within 90 days	Tracked quarterly and reported annually
Implementation Plans - enforcement/ warning letters	Report on 100% of DMA Implementation Plan status annually.	Ongoing	Regional TMDL staff	Regional TMDL managers	Healthy Stream Partnership Implementation Group*	WQ management team	% of DMAs contacted: Implementation Plans submitted or enforcement	Tracked quarterly and reported annually

TMDL	Target	Projected Completion Date	DEQ Resourcing				Metric	Comments
			R	A	C	I		
Support other programs: Div. 33, state revolving fund, 401 program. Project related	TMDL staff interpret data as it applies to permit reviews for other programs and sister agencies. (DIV 33 or 401).	Ongoing	Regional TMDL staff	Regional TMDL managers	Healthy Stream Partnership Implementation-on Group*	WQ management team	Number of reviews provided	Tracked quarterly and reported annually
Implementation of interagency WQ-NPS MOUs	Cross-agency (ODF, ODA, USFS, BLM) coordination on TMDL-NPS implementation	On-going	WQ Administrator, Watershed Management section manager, HQ and Region TMDL managers and staff	DEQ Director	Regional TMDL managers, Water Quality Standards, Integrated Report, Permit program, Communications team	EQC, WQ management team	Periodic review and update per dates specified in each MOU	Periodic review and reporting to EQC on ODF and ODA

* Healthy Stream Partnership Implementation Group includes DEQ offices, DEQ Lab, and Nonpoint Source Managers.

Nonpoint Source: Metrics

Nonpoint Source	Target	Projected Completion Date	DEQ Resourcing				Metrics	Comments
			R	A	C	I		
319 Grant Program	Annual 319 Grant RFP Issued	Q2 annually	Watershed Management section manager, HQ TMDL/NPS staff	WQ Deputy administrator and Laboratory administrator	Healthy Stream Partnership Implementation Group, TMDL/NPS staff,	Program staff	RFP issued	

Nonpoint Source	Target	Projected Completion Date	DEQ Resourcing				Metrics	Comments
			R	A	C	I		
					Communications team			
Nonpoint Source Annual report	Report development	Q2 annually	Watershed Management section manager, HQ TMDL/NPS staff	WQ Deputy administrator and Laboratory administrator	Healthy Stream Partnership Implementation Group, TMDL/NPS staff	Program staff	Report issued	EPA approval required
Nonpoint Source Management Program Plan Revision	Report development	Nov. 2026	Watershed Management section manager, HQ TMDL/NPS staff	WQ administrator	Healthy Stream Partnership Implementation Group, TMDL/NPS staff	Program staff	Report issued	EPA approval required
Biennial reviews ODA Area Rules and Plans	Report development	Ongoing	Watershed Management section manager, HQ TMDL/NPS staff	Watershed Management section manager	TMDL/NPS staff	Program staff	Report issued	DEQ report sent to ODA
Statewide Status and Trend Report	Annual issuance of report	Q2 annually	Watershed Management section manager, HQ TMDL/NPS staff	WQ administrator and Laboratory administrator	Healthy Stream Partnership Implementation Group, TMDL/NPS staff	Program staff	Report issued	
Conservation Effectiveness Partnership	CEP Agency Coordination	Ongoing	HQ and Region NPS staff	Watershed Management section manager	Healthy Stream Partnership Implementation Group, TMDL/NPS staff	Program staff	CEP Reports	OWEB, ODA, NRCS, ODFW, DEQ

Nonpoint Source	Target	Projected Completion Date	DEQ Resourcing				Metrics	Comments
			R	A	C	I		
National Water Quality Initiative	Provide information	Ongoing	HQ and Region Drinking Water staff	Watershed Management section manager	Healthy Stream Partnership Implementation Group, TMDL/NPS staff	Program staff	TMDL/ WQMP development	NRCS initiative
Nonpoint Source Agency Coordination	Agency coordination	Ongoing	HQ and Region TMDL/NPS Staff	Watershed Management section manager and Region TMDL manger	TMDL/NPS staff	Program staff	Cross-section Communication	

Watershed Management: Special projects

Watershed Management	Projected Completion Date	DEQ Resourcing				Metric	Comments
		R	A	C	I		
Various 401, Permit, and other technical analysis projects	Ongoing	Program making the request	Program making the request	WMS staff	Program staff		

Wastewater Permitting and Program Development: Core work

- Issue Permits (NPDES, WPCF, and general permits)
- Perform inspections and monitor Compliance
- Conduct enforcement
- Develop policies and procedures
- Provide essential technical assistance
- Collaborate with internal and external stakeholders

Industrial and domestic wastewater: Metrics

Industrial and Domestic Wastewater	Target	Projected Completion Date	Resourcing				Metric	Comments
			R	A	C	I		
Permits Issued Pursuant to annual NPDES Permit Work plan	67	Sept. 30, 2023	Permit writers	Permitting manager	Wastewater Managers	All staff and stakeholders	Number of permits issued/Permits on work plan	
Pretreatment Annual Industrial Pretreatment Program Audit	3	Sept. 30, 2023	Pre-treatment coordinator	Permitting manager	Compliance and Enforcement Staff	All staff and stakeholders	Number of IPP audits completed	
Pretreatment Annual Industrial Pretreatment Inspection	1	Sept. 30, 2023	Pre-treatment coordinator	Permitting manager	Compliance and Enforcement Staff	All staff and stakeholders	Number of IPP inspections completed	
Biosolids and Recycled Water Reporting	30	Sept. 30, 2023	Biosolids / recycled water coordinator	Permitting manager	Compliance and Enforcement Staff	All staff and stakeholder	Number of biosolids and recycled water management plans	Target based on planned permits that have a biosolids management plan

Industrial and Domestic Wastewater	Target	Projected Completion Date	Resourcing				Metric	Comments
			R	A	C	I		
Current NPDES Individual Permits (%)	52%or 167 individual NPDES Permits	Sept. 30, 2023	Wastewater managers	WQ Division administrator	Wastewater managers and staff	All staff and stakeholders	(Number of permits expired / Number of permits active) * 100	146 permits are current as of 3-09-2023
General Permits Issued According to Plan	1	Sept. 30, 2023	General Permitting	Permitting manager	Wastewater managers	All staff and stakeholders	Number of permits issued according to plan.	100J
Inspections Conducted and Completed Pursuant to Plan	Performance metric	Ongoing	Regions	Regional managers	All staff	All staff and stakeholders	Numbers of inspections completed/Inspections on Compliance Monitoring Strategy	
Time to Close or Refer to OCE[1] non-compliance	Performance metric	Ongoing	Regions	Regional managers	All program	All program and stakeholders	Time from discovery of noncompliance to closure or referral to OCE[1] for formal enforcement	
Draft and publish Annual and five-year NPDES Permit Issuance Plan	100%	Sept. 30, 2023	Permitting manager	WQ Division administrator	Wastewater managers and stakeholders	Permit writers, staff and stakeholders	% complete	Annual
Draft and publish a five-year WPCF Permit Issuance Plan	100%	Sept. 30, 2023	Permitting manager	WQ Division administrator	Wastewater managers and stakeholders	Permit writers, staff and stakeholders	% complete	Annual

[1] Office of Compliance and Enforcement

Industrial and domestic wastewater: Special projects

Industrial and Domestic Wastewater	Projected Completion Date	Resourcing				Metric	Comments
		R	A	C	I		
Implement YDO for wastewater programs	Aug. 31, 2023	Wastewater SME's	Program Manager	Regional Managers	All Water Quality Program and Stakeholders	All permit registrants and permittees using YDO fully	

Stormwater and Underground Injection Control (UIC)

- Issue permits (Individual, Municipal and WPCF UIC and Stormwater General Permits)
- Process permit applications
- Perform technical review of Erosion and Sediment Control Plans and Stormwater Pollution Control Plans
- Perform inspections, monitor compliance
- Conduct enforcement
- Review DMRs and reports
- Develop and implement policies and procedures

Municipal, construction industrial stormwater and UIC: Metrics

Municipal, Construction Industrial Stormwater and UIC	Target	Projected Completion Date	DEQ Resourcing				Metric	Comments
			R	A	C	I		
UIC WPCF individual permit and 1200-U applications	Process all WPCF UIC applications received	Dec. 31, 2023	UIC Hydro	Regional manager	Managers from other regions	All Water Quality program and stakeholders	Permits issued and permit registrations assigned	
Issue 1200-CA Construction Stormwater General Permit	Issuance	September 14, 2023	Stormwater Program Coordinator	Regional manager	Managers from other regions	All Water Quality program and stakeholders	Permit issued and permit registrations assigned	
Renew MS4 Phase I permits	1 permit renewal	June 30, 2023	Senior MS4 Permit Writer	Regional manager	Managers from other regions	All Water Quality program and stakeholders	Permits renewed	
Construction Inspections Conducted	60	Sept. 30, 2023	Regional staff	Regional managers	All Program	All Water Quality program and stakeholders	Number of 1200-C and CA inspections completed	

Municipal, Construction Industrial Stormwater and UIC	Target	Projected Completion Date	DEQ Resourcing				Metric	Comments
			R	A	C	I		
Industrial Inspections Conducted Pursuant to Plan	19	Sept. 30, 2023	Regional staff	Regional managers	All Program	All Water Quality program and stakeholders	Numbers of 1200-A and 1200-Z inspections completed	
Conduct MS4 Inspections	6	September 30, 2023	Regional staff	Regional Managers	All Program	All Water Quality program and stakeholders	8 permittees/ permit registrants	

Municipal, construction and industrial stormwater and UIC: Special projects

Municipal, Construction Industrial Stormwater and UIC	Projected Completion Date	Resourcing				Metric	Comments
		R	A	C	I		
Update Agent Agreements	TBD	Regional Manager	Regional Manager	Managers from other regions	All Water Quality Program and Stakeholders	Determined by YDO rollout	Begin work on updating agent agreements that are linked to YDO
Implement YDO for UIC and stormwater programs	Dec. 31, 2023	UIC and Stormwater SME's	Regional Manager	Managers from other regions	All Water Quality Program and Stakeholders	All permit registrants and permittees using EDMS fully	
Begin work on 1200-A industrial stormwater general permit for mining sites	TBD	Regional Manager	Regional Manager	Managers from other regions	All Water Quality Program and Stakeholders	% complete	

Compliance data management: Core work

- Collect and perform quality assurance review of statewide NPDES and WPCF compliance and enforcement data
- Track compliance with DEQ/EPA Planned Partnership Agreement, Inspection Frequency Requirements (CMS) and DMR reviews
- Develop compliance policy
- Coordinate with regional DEQ offices to ensure efficient and accurate data entry and collection
- Report statewide facility and compliance and enforcement data to EPA

Compliance data management metrics

Compliance Policy and Data Management	Target	Projected Completion Date	Resourcing				Metric	Comments
			R	A	C	I		
Statewide Compliance and Enforcement Data Quality Assurance	<10% SNC among individual NPDES permit holders	Year-round	Compliance Policy and Data Management staff	eReporting lead	WQ administrator, Regional WQ permit and compliance managers, OCE administrator	Regional administrators	Number of facilities in SNC State Review Framework metrics	The number of Oregon facilities in SNC is below the nationwide metric due to timely correction of data errors, faster enforcement turnaround, and communication between CPDM staff, DEQ regional compliance staff, and OCE. Goals are to expand electronic reporting to more permittees.
EPA Performance Partnership Agreement	CMS Goals submitted by August 15 (Alternate plan if chosen and	Year-round	Compliance specialist	Section manager	WQ administrator, Regional WQ permit and compliance managers	Regional administrators, OCE administrator	Timely reporting of statewide goals and achievements	Staff continues to work closely with program and regional permit managers to vet internal compliance monitoring data and

Compliance Policy and Data Management	Target	Projected Completion Date	Resourcing				Metric	Comments
			R	A	C	I		
Compliance Tracking	qualified), September 15 (Annual plan) and end-of-year report achievements by December 15 each year							summarize compliance activities. As covid restrictions are lifted, WQ will be able to better meet its onsite inspection goals.
Compliance and Enforcement Policy Development	Inspection Training	Dec. 2023	Compliance specialist	Section manager	WQ administrator, Regional WQ permit and compliance managers, OCE administrator	Regional administrators,	Training program with Regional manager buy-in	With continued offsite desk audit protocol training initially in March 2021, the compliance team will focus on delivering required basic/refresher NPDES-based inspection training through EPA NETI.
Report Statewide Facility and Compliance and Enforcement Data to EPA	Progress toward meeting eRule Phase 1 goals	Dec. 2023	Compliance Policy and Data Management staff	eReporting lead	WQ administrator, Regional WQ permit and compliance managers	Regional administrators, OCE administrator	Full inventory of permits in ICIS database, updated quarterly Monthly inspection and enforcement data flow to ICIS	DEQ will continue to maintain the permit inventory quarterly. At this time inspections are reported annually and enforcement data monthly. When DEQ transitions to YDO for all NPDES permits, data will flow daily to ICIS-NPDES.

Compliance Data Management Special Projects

Compliance Policy and Data Reporting	Projected Completion Date	Resourcing				Metric
		R	A	C	I	
EPA eRule Implementation	Dec. 2023	Compliance Policy and Data Management staff	eReporting lead	WQ administrator, Regional WQ permit and compliance managers	Regional administrators	DEQ is collecting more than 99% of individual NPDES permittees DMRs electronically, and all DEQ-administered NPDES industrial stormwater permit registrants are submitting DMRs electronically. The team's focus in 2023 will be to implement eReporting for all remaining NPDES permits and establish accurate and reliable data flows from Your DEQ Online to ICIS-NPDES to ensure DEQ meets its Electronic Reporting Rule commitments.

401 Certification: Core work

- Issue decisions on 401 certification applications
- Perform inspections
- Conduct enforcement
- Provide outreach and technical assistance

401 Certification: Metrics

401 Certification	Target	Projected Completion Date	Resourcing				Metric	Comments
			R	A	C	I		
Issue 401 Certifications Decisions	90-150 days (dredge/fill)	Ongoing	401 staff	401 managers	WQ staff	Water Quality program managers	Timeliness target is % of certifications issued within 200 days. >85% Green, 85% - 70% Yellow, <70% Red	
Connect with Stakeholders	10 per year	Ongoing	401 staff	401 managers	WQ staff	Water Quality program managers	Completes stakeholder connections	

Wastewater Operator Certification: Core work

- Certify wastewater system operators
- Manage facility classification worksheets to determine operator certification requirements
- Determine compliance with operator and system requirements
- Communicate regularly with an advisory committee (consisting of operators, regulators, educators, industry associates and system owners) and the Oregon Environmental Services Advisory Council (OESAC)
- Promote wastewater operation as a career
- Perform education and outreach

Wastewater Operator Certification: Metrics

Wastewater Operator Certification	Target	Projected Completion Date	Resourcing				Metric	Comments
			R	A	C	I		
% of Applications processed within 4 to 6 weeks of receipt	Process Applications in a timely manner, within 4-6 weeks of receipt	Dec. 31, 2023	Operator Certification coordinator	Program manager	Operator Certification assistant	Advisory Committee	Legislative Report (published every two-years)	Your DEQ Online goes live for Operator Certification 3/14/2023. Processing times should change as a result.
Perform Outreach and Educational Presentations in annual plan	10-12 Presentations/year	Dec. 31, 2023	Operator Certification coordinator	Program manager	Operator Certification assistant	Advisory Committee	In 2022, fewer conferences were held than anticipated.	Plan to be developed annually. Have developed the tools to present electronically.
Keep Number of Certified Operators Steady or Growing	1600+	Dec. 31, 2023	Operator Certification coordinator	Program manager	Operator Certification assistant	Advisory Committee	Legislative Report Data	Number of operators has trended slightly downward to 1448. Most likely due to retirement. There are 393 permit holders in Oregon that need certified operators.

Onsite septic systems: Core work

Large and residential

- Take action on residential and WPCF onsite site evaluation, authorization, permit and repair applications
- Perform inspections and monitor compliance
- Investigate complaints
- Conduct enforcement
- Oversee authorized onsite agents and perform program audits
- Provide training and continuing education units to onsite agents
- License installers, maintenance providers and pumpers
- Oversee certification program for installers and maintenance providers
- Approve onsite wastewater products
- Develop policies and procedures

Onsite large and residential: Metrics

Onsite Large and Residential	Target	Projected Completion Date	Resourcing				Metric	Comments
			R	A	C	I		
Launch Your DEQ Online for WPCF-OS	Migrate 100% of permitting, inspection, and compliance functions	Aug. 2023	WPCF-OS lead subject matter expert and IT support	Onsite Programs Manager	Onsite program staff	WQ Program administrators and managers	Migrate data and support agency staff and public users	
Maintain licensing program for more than 600 installers and 108 pumper companies.	Issue 100% of renewal and new licenses,	Aug. 2023 and ongoing	Permit coordinator	Onsite Programs Manager	Onsite program staff	WQ Program administrators and managers	Number and percent of licenses issued and renewed	

Onsite Large and Residential	Target	Projected Completion Date	Resourcing				Metric	Comments
			R	A	C	I		
Track and review DMRs received for large WPCF-OS	80% of WPCF-OS systems	June 2023	WPCF Onsite staff	Onsite Programs Manager	Onsite Program staff	WQ Program administrators and managers	Percent of DMRs reviewed	May result in contacts to permittees regarding missing reports or permit violations.
WPCF-OS Inspections	50 facilities statewide	Dec. 2023	WPCF Onsite staff	Onsite Programs Manager	Onsite Program staff	WQ Program administrators and managers	Number of facilities visited.	May result in permit renewals, compliance or corrective actions
WPCF-OS permits with renewal dates in 2023	Take action on 100% of permits due to expire.	Dec. 2023	WPCF Onsite staff	Onsite Programs Manager	Onsite program staff	WQ Program administrators and managers	Number of renewal applications received.	Expiring permits are renewed, administratively extended, terminated, or referred for enforcement.

Onsite Large and Residential: Special Projects

Onsite Large and Residential	Target	Projected Completion Date	Resourcing				Metric	Comments
			R	A	C	I		
Natural Disaster Preparedness and Response	Provide technical assistance, guidance, and permitting support.	Ongoing	WPCF and Onsite staff	Onsite Programs Manager	Onsite program staff	WQ Program administrators and managers	Written materials and consultation for disaster planning and permitting.	Disseminate new Disaster Planning Handbook for Onsite Septic Systems.
Onsite Septic Financial Aid Program	Implement new program funded by Legislature and Federal ARPA funds for septic system repair and replacement	Ongoing	WPCF and Onsite Staff	Onsite Programs manager	Onsite program staff and WPCF lead staff, DEQ communications team	WQ Program administrators and managers	Develop and administer grant programs to qualified local agencies and other qualified institutions.	

Clean Water State Revolving Fund: Core work

- Market and support action on loan applications
- Provide technical assistance to potential borrowers toward CWSRF loan applications
- Service loans and manage allocations to ensure the perpetuity of the loan fund
- Research and pursue developing markets
- Develop and implement policies, procedures, and process improvements

Clean Water State Revolving Fund: Metrics

CWSRF	Target	Projected Completion Date	DEQ Resourcing				Metric	Comments
			R	A	C	I		
Target funds available to achieve binding commitments ratio	96%	Ongoing	Loan specialist; HQ program staff	Program Manager	All CWSRF staff	WQ administrator, EPA	Binding commitments balanced against funds available (pace)	May be affected by Bipartisan Infrastructure Law allocation.
Solicit and Take Action on Loan Applications/Increase the number of new loans	15	Ongoing	Loan specialist; HQ program staff	Program Manager	All CWSRF staff	WQ administrator, EPA	Number of new loans	May be affected by Bipartisan Infrastructure Law allocation.
Support multiple funder One-Stop meetings with potential borrowers in application process	30%	Ongoing	HQ program staff; Regional Project officers	HQ program staff; Program coordinator	Program manager; All CWSRF staff	All CWSRF staff	Number of loan applications that result from One Stop meetings	Continue participating regularly in One Stop meetings with typical partners including Biz OR and USDA RD.
Implement a variety of marketing and outreach efforts toward increasing loan applications	15	Ongoing	HQ program staff	HQ program staff, Program coordinator	Program manager; All CWSRF staff; RST	All CWSRF staff	Number of outreach efforts (includes technical assistance efforts)	Participate in events, tradeshow booths, conduct presentations, conference sessions, direct mail/email outreach, respond to program inquiries, send

CWSRF	Target	Projected Completion Date	DEQ Resourcing				Metric	Comments
			R	A	C	I		
								program marketing and resource materials, support RST projects, and more.
Develop and implement policies, procedures, and process improvements	3	Ongoing	HQ program staff lead; all CWSRF staff involved.	HQ program staff; Program coordinator	Program manager; All CWSRF staff	All CWSRF staff	Number of loans in new and developing markets	Implement Contract Manager General Contractor (CMGC) guide, complete State Environmental Review Process guidance; progress on Community Development Financial Institutions documents and guidance per new rule.
Provide Technical Assistance to Potential Borrowers toward CWSRF loan applications	5	Ongoing	All CWSRF staff; Circuit Riders	HQ program staff; Program coordinator	Program manager; All CWSRF staff; RST	All CWSRF staff	Number of technical assistance efforts resulting in a loan application	New Circuit Rider hired, and RFP for technical assistance to potential borrowers in development
Implement new federal legislation Bipartisan Infrastructure Law.	TBD	Annually over five years	HQ program staff, all CWSRF staff involved	Program Manager	HQ program staff; all CWSRF involved.	All CWSRF staff	Number and amount of additional loans issued, additional principal forgiveness allocated, percent of loans and funding amounts directed to communities with environmental justice concerns	Rule, policy, and procedural changes made during 2022 and 2023. The Program will apply for first-year supplemental and emerging contaminants cap grants in April 2023.

Clean Water State Revolving: Special projects

CWSRF	Projected Completion Date	Resourcing				Metric
		R	A	C	I	
Information System Database Project	Dec. 2023	Project manager; All CWSRF	Program manager; Deputy WQ Administrator; Steering committee	All CWSRF staff; key WQ staff; DEQ financial services	Agency director and EPA	Meeting stage gate procurement process milestones, vendor selected, contract in negotiations Spring 2023, configuration Summer 2023, full deployment by December 2023.

Appendix B – 2022 Water Quality Program published documents

Publish Date	Document Name	Description	URL
January 2022	Oregon CWSRF Intended Use Plan 2022 Update #2	Document for EPA describing how Oregon CWSRF intends to use funding for projects and meet program requirements.	https://www.oregon.gov/deq/wq/cwsrf/Pages/CWSRF-IUP.aspx
May 2022	Oregon Water Quality Index Data Summary Water Years 2012-2021	Oregon Water Quality Index Report	https://www.oregon.gov/deq/wq/Documents/wqiSummary2021.pdf
May 2022	Oregon CWSRF Intended Use Plan 2023 Initial Edition	Document for EPA describing how Oregon CWSRF intends to use funding for projects and meet program requirements.	https://www.oregon.gov/deq/wq/cwsrf/Pages/CWSRF-IUP.aspx
July 2022	Guidance for NPDES and WPCF Permit Monitoring (DEQ22-NWR-0026-QAG)	Aid for self-monitoring performed by NPDES (National Pollutant Discharge Elimination System) and WPCF (Water Pollution Control Facilities) permit applicants and holders	https://www.oregon.gov/deq/wq/Documents/wqp147guideMonitor.pdf
August 2022	Oregon CWSRF Intended Use Plan 2023 Update #1	Document for EPA describing how Oregon CWSRF intends to use funding for projects and meet program requirements.	https://www.oregon.gov/deq/wq/cwsrf/Pages/CWSRF-IUP.aspx
September 2022	Oregon CWSRF Annual Report	Document describing how the CWSRF program met its goals and objectives, including project highlights and financial data for state fiscal year 2022.	https://www.oregon.gov/deq/wq/Documents/cwsrfAnnualReport.pdf

September 2022	Oregon's Nonpoint Source Management Program Plan	The fourth revision (since 1989) of Oregon's 5-year management program plan for controlling nonpoint sources of pollution and improving water quality required by Clean Water Act Section 319(b) and Title 33 Section 1329(b) of the U.S. Code to be submitted to EPA	https://www.oregon.gov/deq/FilterDocs/npsplanF.pdf
October 2022	2022 NPDES Individual Permit Issuance Plan	Completed permits for federal fiscal year 2022	https://www.oregon.gov/deq/wq/Documents/wqpPIP2022.pdf
October 2022	2023 NPDES Individual Permit Issuance Plan	Projected permits for federal fiscal year 2023	https://www.oregon.gov/deq/wq/Documents/wqpPIP2023.pdf
October 2022	Statewide Permit Issuance Plan for Federal Fiscal Years 2023-2027	Five-year projected plan for NPDES individual permits	https://www.oregon.gov/deq/wq/Documents/wqp5yrPIP.pdf
December 2022	2022 Annual Report on Oregon's Water Quality National Pollutant Discharge Elimination System Permit Program	NPDES permitting annual report for 2022	https://www.oregon.gov/deq/wq/Documents/WQ-NPDESAnnualReport2021.pdf