



Permit Fact Sheet – Major Modification #1

Final: March 8, 2024

Oregon Department of Environmental Quality
Western Region Office
4026 Fairview Industrial Drive SE
Salem, OR 97302

Permittee:	City of Medford 411 West 8th Street Medford, Oregon, 97501
Existing Permit Information:	File Number: 55125 Permit Number: 100985 Expiration Date: July 31, 2026 EPA Reference Number: OR0026263
Source Contact:	Johnny Leavy, 541-774-2755 Johnny.leavy@cityofmedford.org Water Reclamation Division Manager
Facility Location:	1100 Kirtland Rd Central Point, OR Jackson County
LLID:	1244292424210-130.45
Receiving Stream/Basin:	Rogue River/Rogue
Proposed Action:	Modification in response to request received April 7, 2023
Source Category:	NPDES Major– Domestic
Sources Covered:	Domestic wastewater
Permit Type:	NPDES-DOM-A3
Permit Writer:	Julie Ulibarri Water Quality Specialist/Western Region/Water Quality August 2020 Modified by Aliana Britson Senior Permit Policy Consultant January 2024

Table of Contents

- 1.0 Justification for Modification 3
- 2.0 Changes to Permit..... 3
 - 2.1 Cover Page..... 3
 - 2.2 Schedule A..... 3
 - 2.3 Schedule B..... 4
 - 2.4 Schedule D..... 6

Figures

- Figure 2-1. Updated Sources 3

Tables

- Table A8: Recycled Water Limits 3
- Table B1: Reporting Requirements and Due Dates..... 4
- Table B15: Recycled Water Monitoring..... 6

1.0 Justification for Modification

The Medford Regional Water Reclamation Facility (RWRF) has requested a permit modification to be able to provide recycled water to the White City Lagoons for beneficial use. Currently Medford RWRF periodically diverts raw sewage influent to the White City Lagoons to mitigate the effects of evaporation. However, diverting influent is disruptive to the RWRF treatment processes and requires additional labor. Using recycled water to supplement the White City Lagoons will mitigate the disruptions and reduce labor needs.

This permit modification requires the addition of Outfall 002, further effluent limitations and monitoring and therefore is classified as a major modification in accordance with 40 CFR §122.62. No other changes are being made to the permit except those outlined in this document.

2.0 Changes to Permit

Additions to the permit are in red and underlined. Deletions from the permit are in red and in strikethrough.

2.1 Cover Page

Outfall 002 will be added to the cover page as shown in the figure below:

ISSUED TO:	SOURCES COVERED BY THIS PERMIT:		
City of Medford 411 West Eighth Street Medford, Oregon 97501	Type of Waste	Outfall Number	Outfall Location
	Treated Wastewater	001	Latitude: 42.438009°N Longitude: 122.903894°W
	<u>Recycled Water Reuse</u>	<u>002</u>	<u>Specified in Recycled Water Use Plan</u>
	Biosolids	N/A	Specified in Biosolids Management/Land Application Plan

Figure 2-1. Updated Sources

2.2 Schedule A

Condition A.5 and Table A8 will be added as noted below with added text in red font and underlined.

5. Use of Recycled Water

The permittee is authorized to distribute recycled water if it is:

- a. Treated and used according to the criteria listed in Table A8.
- b. Managed in accordance with its DEQ-approved Recycled Water Use Plan unless exempt as provided in Schedule D.
- c. Used in a manner and applied at a rate that does not adversely affect groundwater quality.

Table A8: Recycled Water Limits

<u>Class</u>	<u>Level of Treatment</u>	<u>Beneficial Uses</u>
<u>Nondisinfected Recycled Water</u>	<u>Nondisinfected recycled water</u> • <u>Oxidized Wastewater</u>	<u>Use for lagoon wastewater cap to prevent odor or nuisance conditions.</u>

2.3 Schedule B

The following version of Table B1 will replace the existing version in the permit.

Table B1: Reporting Requirements and Due Dates

Reporting Requirement	Frequency	Due Date (See note a.)	Report Form (See note b.)	Submit To:
Table B2, Table B3, and Table B4 Influent Monitoring, Effluent Monitoring, and Receiving Stream Monitoring	Monthly	By the 15th of the following month	Specified in Schedule B, Section 2 of this permit	Electronic reporting as directed by DEQ
Temperature Trading Annual Report (see Schedule D13)	Annually	Feb. 15	Electronic copy in the DEQ-approved format	Attached via electronic reporting as directed by DEQ
Inflow and Infiltration Report (see Schedule D1)	Annually	Feb. 15	Electronic copy in a DEQ-approved format	Attached via electronic reporting as directed by DEQ
Biosolids Annual Report (see Schedule D5)	Annually	Feb. 19	Electronic copy in the DEQ-approved form	DEQ Biosolids Program Coordinator Via electronic reporting as directed by DEQ
Pretreatment Annual Report. (see Schedule E13)	Annually	Mar. 31	1 electronic copy and 1 hard copy in a DEQ approved format	<ul style="list-style-type: none"> • 1 Hard copy to DEQ Pretreatment Coordinator • 1 Electronic copy to Compliance Officer
Table B6: Copper Biotic Ligand Model and Aluminum Sampling Requirements	Monthly for 24 months, starting in Jan. 2023	By the 15th of the following month	Electronic copy in a DEQ-approved format	Attached via electronic reporting as directed by DEQ
Table B7- Table B10: Effluent Toxics Characterization (See note c.)	Quarterly for each of the first 4 full quarters after permit effective date	By the 15 th of the month following each quarter	Electronic copy in a DEQ-approved format	Attached via electronic reporting as directed by DEQ
Table B11: Free Cyanide Only	Quarterly for 2 years (starting Jan. 2023) if total cyanide detected during quarterly toxics characterization monitoring	With the first DMR submittal after receipt of the test results	Electronic copy in a DEQ-approved format	Attached via electronic reporting as directed by DEQ

Reporting Requirement	Frequency	Due Date (See note a.)	Report Form (See note b.)	Submit To:
Table B12: WET Test Monitoring	Annually in 2021, 2022, 2023, and 2024	With the first DMR submittal after receipt of the test results	Electronic copy in a DEQ-approved format	Attached via electronic reporting as directed by DEQ
Copper Biotic Ligand Model and Aluminum Sampling and Analyses Plan (see Schedule D9)	One time	Submit by Sep. 15, 2022	Electronic copy in a DEQ-approved format	Attached via electronic reporting as directed by DEQ
Causal Analysis/Diagnosis Decision Information System Method for Stressor Analysis (see Schedule D11)	One time	Submit by Jan. 15, 2023	Electronic copy in a DEQ-approved format	Attached via electronic reporting as directed by DEQ
Mercury Minimization Plan (see Schedule A4)	One time	Submit by Sep. 15, 2023	One electronic copy in a DEQ-approved format	Attached via electronic reporting as directed by DEQ
Outfall Inspection Report (see Schedule D10)	Once per permit cycle	Submit by Sep. 15, 2024	Electronic copy in a DEQ-approved format	Attached via electronic reporting as directed by DEQ
Stressor Analysis Report (see Schedule D11) (See note d.)	One time	Submit by: Sep. 15, 2025	Electronic copy in a DEQ-approved format	Attached via electronic reporting as directed by DEQ
Rogue River Ambient Monitoring Plan (see Schedule D12)	One time	Submit by Sep 15, 2025	Electronic copy in a DEQ-approved format	Attached via electronic reporting as directed by DEQ
<u>Recycled Water Annual Report</u> (see Schedule D3)	<u>Annually</u>	<u>January 15</u>	<u>Electronic copy in a DEQ-approved format</u>	<u>Attached via electronic reporting as directed by DEQ</u> <u>Electronic copy to DEQ Water Reuse Program Coordinator</u>
Mercury Minimization Plan Update (see Schedule A4)	One time	Submit with renewal application	Electronic copy in a DEQ-approved format	Attached via electronic reporting as directed by DEQ
Notes:				
<p>a. For submittals that are provided to DEQ by mail, the postmarked date must not be later than the due date.</p> <p>b. All reporting requirements are to be submitted in a DEQ-approved format, unless otherwise specified in writing.</p> <p>c. Quarters are defined as: Q1: January – March, Q2: April – June, Q3: July – September, Q4: October – December. If no discharge occurs during the quarter, continue sampling quarterly until 4 sets of samples have been collected. WET tests and toxics characterization testing must be collected on the same day.</p> <p>d. Documentation explaining the data and analysis of any values calculated in R-script, markdown or python equivalent must be submitted.</p>				

Condition B.11 and Table B15 will be added to the permit as noted below. With added text in red font and underlined.

11. Recycled Water Monitoring Requirements: Outfall 002

The permittee must monitor recycled water for Outfall 002 as listed below. The samples must be representative of the recycled water delivered for beneficial reuse at a location identified in the Recycled Water Use Plan.

Table B15: Recycled Water Monitoring

<u>Item or Parameter</u>	<u>Units</u>	<u>Time Period</u>	<u>Minimum Frequency</u>	<u>Sample Type/ Required Action</u>	<u>Report (See note a.)</u>
<u>Total flow (50050)</u>	<u>MGD</u>	<u>Year-Round</u>	<u>Daily</u>	<u>Measure</u>	<u>Monthly Total</u>

Note:
a. All data collected should be included in the Recycled Water Annual Report.

2.4 Schedule D

The following language will be removed from Condition D.3.

~~In order to distribute recycled water, the permittee must develop and maintain a DEQ-approved Recycled Water Use Plan meeting the requirements in OAR 340-055-0025. The permittee must submit this plan or any significant modifications to DEQ for review and approval with sufficient time to clear DEQ review and a public notice period prior to distribution of recycled water. The permittee is prohibited from distributing recycled water prior to receipt of written approval of its Recycled Water Use Plan from DEQ. The permittee must keep the plan updated. All plan revisions require written authorization from DEQ and are effective upon permittee’s receipt of DEQ written approval. No significant modifications can be made to a plan for an administratively extended permit (after the permit expiration date). Conditions in the plan are enforceable requirements under this permit. DEQ will provide an opportunity for public review and comment on any significant plan modifications prior to approving or denying. Public review is not required for minor modifications, changes to utilization dates or changes in use within the recycled water class.~~

The following language will be added to Condition D.3.

The permittee must update and maintain a DEQ-approved Recycled Water Use Plan meeting the requirements in OAR 340-055-0025. The permittee must submit this plan or any significant modifications to DEQ for review and approval with sufficient time to clear DEQ review and a public notice period prior to implementing changes to the recycled water program. The permittee must keep the plan updated. All plan revisions require written authorization from DEQ and are effective upon permittee’s receipt of DEQ written approval. No significant modifications can be made to a plan for an administratively extended permit (after the permit expiration date). Conditions in the plan are enforceable requirements under this permit. DEQ will provide an opportunity for public review and comment on any significant plan modifications prior to approving or denying. Public review is not required for minor modifications, changes to utilization dates or changes in use within the recycled water class.

- a. Recycled Water Annual Report – The permittee must submit a recycled water annual report by the date specified in Table B1: Reporting Requirements and Due Dates. The permittee must use DEQ-approved recycled water annual report form. This report must include the monitoring data required under Schedule B.