

Lead & Copper Rule Corrosion Control

Date	Average Daily pH	Minimum Met?
2/1/2023	8.8	Y
2/2/2023	8.9	Y
2/3/2023	8.9	Y
2/4/2023	8.9	Y
2/5/2023	8.9	Y
2/6/2023	8.9	Y
2/7/2023	8.9	Y
2/8/2023	8.9	Y
2/9/2023	8.9	Y
2/10/2023	8.9	Y
2/11/2023	8.9	Y
2/12/2023	8.9	Y
2/13/2023	8.9	Y
2/14/2023	9.0	Y
2/15/2023	9.0	Y
2/16/2023	8.9	Y
2/17/2023	8.9	Y
2/18/2023	8.9	Y
2/19/2023	8.9	Y
2/20/2023	8.9	Y
2/21/2023	8.9	Y
2/22/2023	8.9	Y
2/23/2023	8.9	Y
2/24/2023	9.0	Y
2/25/2023	8.9	Y
2/26/2023	8.9	Y
2/27/2023	9.0	Y
2/28/2023	9.0	Y

Total No's: 0

County: Multnomah Agency: Region 1

Entry Point

EP-A

PWS ID: OR 4100657

Portland Bureau of Water Works

Month: **February 2023**

Sampling Period: **January to June 2023**

Number of Excursions During this Month: **0**

Total Excursions During this Sampling Period: **0**
(Including Distribution System Excursions)

Is System in Compliance? **Y**

Reference

Minimum Water Quality Parameter as Set by State:

pH	8.0
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Print Name: Anna Vosa, P.E.

Signature: 

Date: 3/6/23



Mingus Mapps, Commissioner
Gabriel Solmer, Administrator



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Portland, Oregon 97204-1926
Information: 503-823-7404
www.portlandoregon.gov/water

WQ 0.10.3.0

DATE: March 9, 2023

TO: Oregon Health Authority
Drinking Water Services
PO Box 14350
Portland, OR 97293-0350

FROM: Anna Vosa, P.E.
Water Quality Engineer

SUBJECT: **Monthly Report for February 2023**
Lead and Copper Rule Monthly Compliance Data
PWS # OR 4100657

This monthly report includes the following information:

Daily pH Summary	2 pages
Total of 3 pages, including this transmittal memo	

Surface water pH is measured continuously with in-line instrumentation at the outlet of each of the three surface water conduits at the Lusted Hill Treatment facility (EP-A). Surface water pH is calculated using a flow-weighted average based on individual conduit flows, and log correction of hourly measurements.

New soda ash and carbon dioxide corrosion control facilities at Lusted Hill Treatment Facility were brought online in April 2022 to increase finished water pH and alkalinity with the goal of maintaining pH ≥ 8.5 and alkalinity ≥ 25 mg/L as CaCO₃ throughout the distribution system when surface water is the sole supply source. Between April 21 and August 24, 2022, pH and alkalinity were incrementally increased at Lusted Hill Treatment Facility until this goal was achieved. Since August 24, the Lusted entry point targets for pH and alkalinity have been fixed at 8.8 and 27 mg/L as CaCO₃, respectively. Further adjustments to pH and/or alkalinity entry point targets may be made in response to seasonal water quality changes and/or LCR corrosion control monitoring results.

When groundwater is in use, groundwater pH is measured continuously with in-line instrumentation at a single entry point located at the outlet of the Groundwater Pump Station (EP-B) and includes log correction of hourly measurements. When in operation, groundwater is chemically adjusted as needed to achieve an entry point pH target of 8.2. It is not necessary to chemically adjust the groundwater alkalinity due to the naturally higher alkalinity in the groundwater supply. Groundwater was not used for supply in February 2023.

Please contact me at 503-823-7598 if additional information is required.