# Lead & Copper Rule Corrosion Control

| Date | Average pH | Average Alkalinity | Minimums Met? (Y/N) |
|---|---|---|---|
| 6/1/2025 | 8.9 | | Y |
| 6/2/2025 | 8.9 | | Y |
| 6/3/2025 | 8.9 | 30 | Y |
| 6/4/2025 | 8.9 | | Y |
| 6/5/2025 | 8.9 | | Y |
| 6/6/2025 | 8.9 | | Y |
| 6/7/2025 | 8.9 | | Y |
| 6/8/2025 | 8.8 | | Y |
| 6/9/2025 | 8.9 | | Y |
| 6/10/2025 | 8.9 | 30 | Y |
| 6/11/2025 | 8.9 | | Y |
| 6/12/2025 | 8.9 | | Y |
| 6/13/2025 | 8.9 | | Y |
| 6/14/2025 | 8.9 | | Y |
| 6/15/2025 | 8.9 | | Y |
| 6/16/2025 | 8.9 | | Y |
| 6/17/2025 | 8.9 | 29 | Y |
| 6/18/2025 | 8.9 | | Y |
| 6/19/2025 | 8.9 | | Y |
| 6/20/2025 | 8.9 | | Y |
| 6/21/2025 | 8.8 | | Y |
| 6/22/2025 | 8.8 | | Y |
| 6/23/2025 | 8.9 | | Y |
| 6/24/2025 | 8.9 | 30 | Y |
| 6/25/2025 | 8.9 | | Y |
| 6/26/2025 | 8.9 | | Y |
| 6/27/2025 | 8.9 | | Y |
| 6/28/2025 | 8.9 | | Y |
| 6/29/2025 | 8.9 | | Y |
| 6/30/2025 | 8.9 | | Y |

**Total N's: 0**

County: Multnomah Agency: Region 1

**Entry Point**
**EP-A**
**(Bull Run)**

**PWS ID: OR 4100657**
**Portland Bureau of Water Works**

Month: **June 2025**

Sampling Period: **January to June 2025**

Total days minimum WQPs not met during this month, EP-A only: **0**

Total Excursions (days minimum WQPs not met) during this 6-month Sampling Period, all locations (EP-A, EP-B and DIST-A): **0**

Is System in Compliance? **Y**

**Minimum EP-A Water Quality Parameters (WQPs) as set by State:**

| | |
|---|---|
| pH | 8.6 pH units |
| Alkalinity | 26 mg/L as CaCO3 |

**Print Name:** Anna Vosa, P.E.

**Signature:** Anna Vosa

**Date:** 7/8/25

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

Quisha Light, Interim Director

1120 SW Fifth Avenue, Room 405
Portland, Oregon 97204-1926
Information: 503-823-7770
Portland.gov/water

WQ 0.10.3.0

**DATE:** July 9, 2025

**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 June 2025**
**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 | |

In April 2022, new soda ash and carbon dioxide corrosion control systems at Lusted Hill Treatment Facility were brought online to increase finished water pH and alkalinity with the goal of maintaining pH ≥8.5 and alkalinity ≥25 mg/L as $CaCO_3$ throughout the distribution system when surface water is the sole supply source. Since August 24, 2022, the Lusted entry point target for pH has been set at 8.8 pH units, and the Lusted entry point target for alkalinity has been set at a minimum of 27 mg/L as $CaCO_3$; however, the alkalinity target may be increased seasonally due to water quality and temperature changes that impact the stability of pH in the distribution system. On June 18, 2025, the alkalinity target was raised from 28 mg/L to 30 mg/L as $CaCO_3$.

When in operation, groundwater is chemically adjusted with caustic soda as needed to achieve an entry point pH target of 8.2 pH units. 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 June 2025.

In December 2023, OHA designated the Improved Corrosion Control Treatment at the Lusted Hill Treatment Facility as Optimized Corrosion Control Treatment (OCCT) and established new Bull Run Lusted Outlet entry point (EP-A) water quality parameter (WQP) minimums for pH and alkalinity of 8.6 pH units and 26 mg/L as $CaCO_3$, respectively. These new WQP minimums were effective beginning January 1, 2024. The groundwater entry point (EP-B) WQP minimum for pH remains 8.0 with no alkalinity WQP minimum, due to the naturally higher alkalinity of the groundwater supply.

PWB is required to report entry point WQPs a minimum of once every two weeks. Entry point 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) and at the outlet of the Groundwater Pump Station (EP-B). The daily average pH for each entry point is calculated and reported using a flow-weighted average of hourly average SCADA data. Entry point alkalinity samples are collected weekly from each conduit in operation at the Lusted Outlet and are analyzed by PWB's Water Quality Laboratory. The EP-A alkalinity concentration is calculated and reported as a flow-weighted average.

Please contact me at 503-312-7043 if additional information is required.