



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Central Region Office

1250 West Alder St., Union Gap, WA 98903-0009 • 509-575-2490

September 27, 2023

Sent via email and hard copy

Allan Gebhard
Barr Engineering
4300 Market Point Drive, Suite 200
Minneapolis, MN 55435

Re: Change of Arsenic Groundwater Preliminary Cleanup Level:

- **Site Name:** Boise Cascade Mill
- **Site Address:** 805 N. 7th Street, Yakima
- **Facility Site No.:** 450
- **Cleanup Site ID No.:** 12095
- **Agreed Order No.:** DE 13959

Dear Allan Gebhard:

The Washington State Department of Ecology (Ecology) has reviewed your August 8, 2023 request to revise the Preliminary Cleanup Level (PCUL) for arsenic (As) and agrees that an adjustment is appropriate.

The opinions expressed in this letter are consistent with our authority under the Model Toxics Control Act (MTCA), Chapter 70A.305 RCW¹.

Adjustment to the site-specific arsenic groundwater preliminary cleanup level

As referenced in your letter, the natural background threshold value for As is identified at 6.0 micrograms per liter (µg/l) for the Yakima Basin, as presented in Ecology publication 14-09-044, *Natural Background Groundwater Arsenic Concentrations in Washington State: Study Results*². For the development of your cleanup alternatives, please adjust the previously established groundwater to drinking water PCUL upward from 5 µg/l to 6.0 µg/l, and the groundwater to surface water PCUL upward from 2.5 µg/l to 6.0 µg/l.

¹ <https://app.leg.wa.gov/rcw/default.aspx?cite=70A.305>

² <https://apps.ecology.wa.gov/publications/documents/1409044.pdf>

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As a reminder, cleanup levels (CULs) may be further refined during the feasibility study (see WAC 173-340-350³ Remedial investigation and feasibility study (9)(a)). Cleanup levels are not finalized until Ecology approves the final cleanup action plan per WAC 173-340-380⁴. The CUL values used are informed by Ecology's Cleanup Levels and Risk Calculation tool (CLARC), updated quarterly. Please visit *What's New* in CLARC⁵ for updates.

If you have any questions about this response, please contact me by phone at 509-225-0304 or e-mail at John.Zinza@ecy.wa.gov.

Sincerely,



John Zinza, PE, Cleanup Project Manager
Toxics Cleanup Program
Central Regional Office

³ <https://app.leg.wa.gov/wac/default.aspx?cite=173-340-350>

⁴ <https://app.leg.wa.gov/wac/default.aspx?cite=173-340-380>

⁵ <https://ecology.wa.gov/regulations-permits/guidance-technical-assistance/contamination-clean-up-tools/clarc/latest-news>

