



Oregon

Tina Kotek, Governor

Department of Environmental Quality

Northwest Region

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July 12, 2023

sent via email

Jason Hegdahl
Cascade Corporation
2201 NE 201st Avenue
Fairview, Oregon 97024

Deborah Taege
The Boeing Company
P.O. Box 2207, M/S 7A-XA
Seattle, WA 98124

RE: Annual Performance Report 1 Jan. – 31 Dec. 2022, East Multnomah County, Troutdale Sandstone Aquifer Remedy, Gresham, Oregon. ECSI #1479

Dear Mr. Hegdahl and Ms. Taege,

The Oregon Department of Environmental Quality (DEQ) has reviewed the Annual Performance Report for calendar year 2022, for the East Multnomah County, Troutdale Sandstone Aquifer Remedy. The report is dated May 2023. This report was prepared on your behalf by Geosyntec Consultants, Inc., Landau Associates, Inc. and SS Papadopoulos and Associates, Inc. DEQ approves the document with the following comments on Section 6.0 Recommendations.

DEQ approves the recommended actions in 6.1 *Recommended Changes for Treatment Systems*

DEQ approves the recommended actions in 6.2 *Groundwater Performance Monitoring Program, Extraction Wells* with the following exceptions:

- DEQ requests continued biennial groundwater monitoring and sampling of wells BOP-20(ds), BOP-20(dg), and BOP-23(dg). These monitoring wells are on the northern property boundary of the Boeing site and are in sentinel positions to record possible rebound effects from shut down of extraction well EW-23 as well as possible offsite VOC migration. Table 2-2 indicates "PWB Monitoring" under the columns for water level measurements and water quality sampling of these wells. What does this mean?
- Monitoring well BOP-23(dg) along with EW-23 are also the closest monitoring wells to the recent release of cutting oil in Boeing building 85-120, some of which traveled through basement floor expansion cracks to the Troutdale Sandstone Aquifer, which is unconfined in this area. These wells may be needed to determine if cutting oil reached the Troutdale Sandstone Aquifer.
- With their existing biennial sampling schedule, are wells BOP-20(ds), BOP-20(dg), and BOP-23(dg) scheduled for sampling during summer 2023?

DEQ makes these comments in conjunction with feedback received from the Portland Water Bureau.

I mistakenly sent an informal note to you via email last Friday regarding the 2022 Annual Report on the Troutdale Sandstone Aquifer Remedy. DEQ correspondence approving and commenting on significant project documents has always been by letter. I am reissuing and formalizing the contents of that email here. I apologize if my previous email caused confusion.

Please feel free to call me with questions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'K. Thiessen', with a stylized, flowing script.

Kenneth Thiessen, RG, CEG
Northwest Region Cleanup Section
(503) 887-7636

cc: Cindy Bartlett, R.G. Geosyntec Consultants
Christine Kimmel, L.G, Landau Associates
Brent Miller, P.E. Geosyntec Consultants
Charles Andrews, Ph. D., S.S. Papadopoulos & Assoc., Inc.
Dan Hafley, RG, DEQ NW Region
Amber Lutey, R.G, DEQ NW Region
Doug Wise, Portland Water Bureau
ECSI #1479