From: SCHATZ Jeff * DEQ
To: Haney, Jeremy NFG NG ORARNG (USA)
Subject: RE: Tempco TCE concerns and Camp Withycombe
Date: Monday, June 10, 2024 3:14:00 PM
Attachments: image003.png
image006.png
image007.png
image008.png
image009.png

Hello Jeremy-

It's nice to hear from you. Congratulations on landing the job with the Army! How did Scott take the news?

Thank you for the feedback. I am preparing for a meeting tomorrow morning for my Boise sediment cleanup site. But I should be able to work on replying to your email tomorrow afternoon. In the meantime, call or email me if you have questions.

Best,
Jeff K. Schatz, R.G.
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503-863-0810
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From: Haney, Jeremy NFG NG ORARNG (USA) <jeremy.haney2.nfg@army.mil>
Sent: Monday, June 10, 2024 10:23 AM
To: SCHATZ Jeff * DEQ <Jeff.SCHATZ@deq.oregon.gov>
Subject: Tempco TCE concerns and Camp Withycombe

> You don't often get email from jeremy.haney2.nfg@army.mil. Learn why this is important

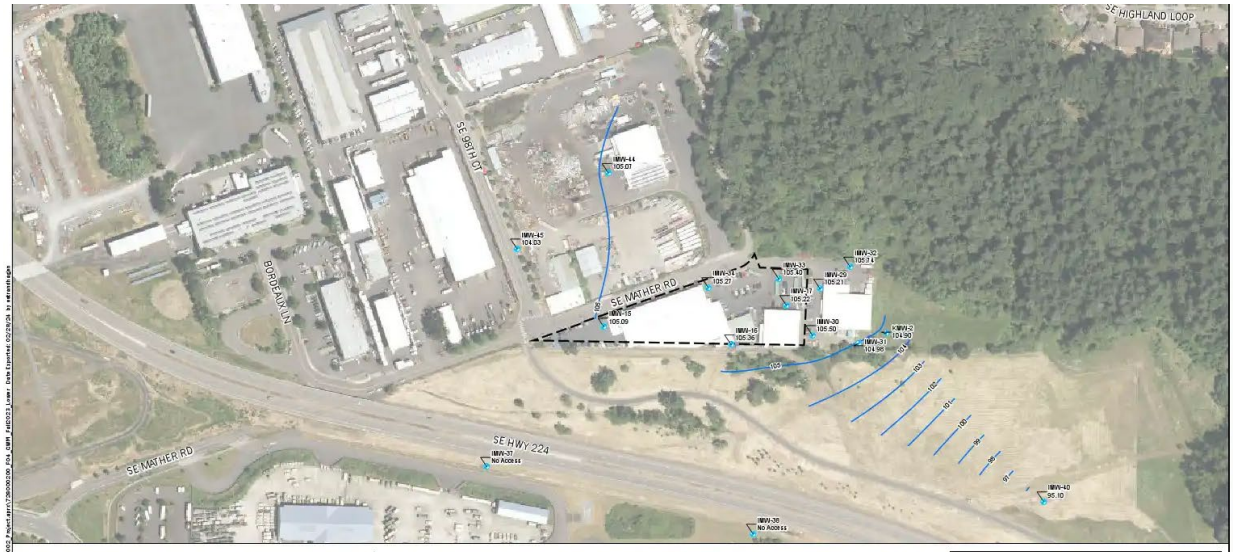
Hi Jeff,

It's been a while (since checking things out along the seawall at Seaport / former BP). I hope all is well.

I was looking at the Temco property YDO (ECSI 1148 / YDO RID 4877) to see if I could find the groundwater results for the well at Camp Withycombe and notice the VI Work Plan. I have a couple concerns.

A. Figure 7 indicates TCE is present at the Camp Withycombe property boundary in well DMW-18 at concentrations of 58 and 15.5 ug/L but the >13 ug/L isocontour does not include this well location. The deep isocontour was used to define the southern/southwestern extent of the VI investigation (Figure 8). Given the concentrations are in the deep wells, I'm not to concerned about VI, but I am concerned the area is being ignored.

B. Groundwater in the intermediate zone flows southeast to east at Tempco (as shown in Figure 3 of the 2023 GW Report). There were high TCE concentrations immediately off-property and downgradient from Tempco in 2017 and 2018 (28,000ug/L) as part of the Camp Withycombe RI. I don't know if this well (MW-101) has been sampled since 2018, but I'm concerned this location is only 400 feet down gradient from the source area (IMW-17) and not included in the investigation. Please disregard this comment if there is newer data I do have which documents groundwater at MW-101 is no longer a concern.



Source(s):
- City of Portland Imagery

Coordinate System: NAD 1983 HARN StatePlane Oregon North FIPS 3601 Feet Intl

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Legend

- Lower Gravel
- Site
- Groundwater Elevation in feet (1.0 feet) (Measured 10/16/2023 and 10/17/2023)

N

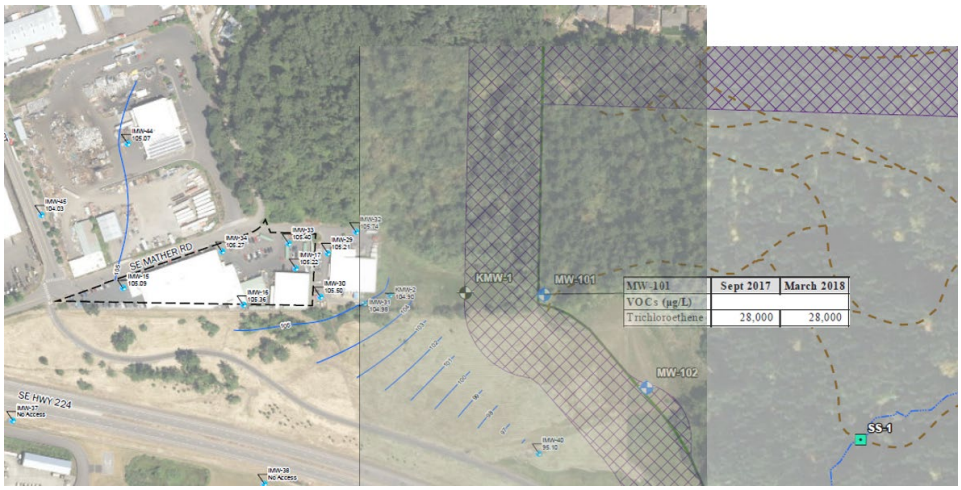
0 150
Feet

Groundwater Elevations - Lower Gravel Unit

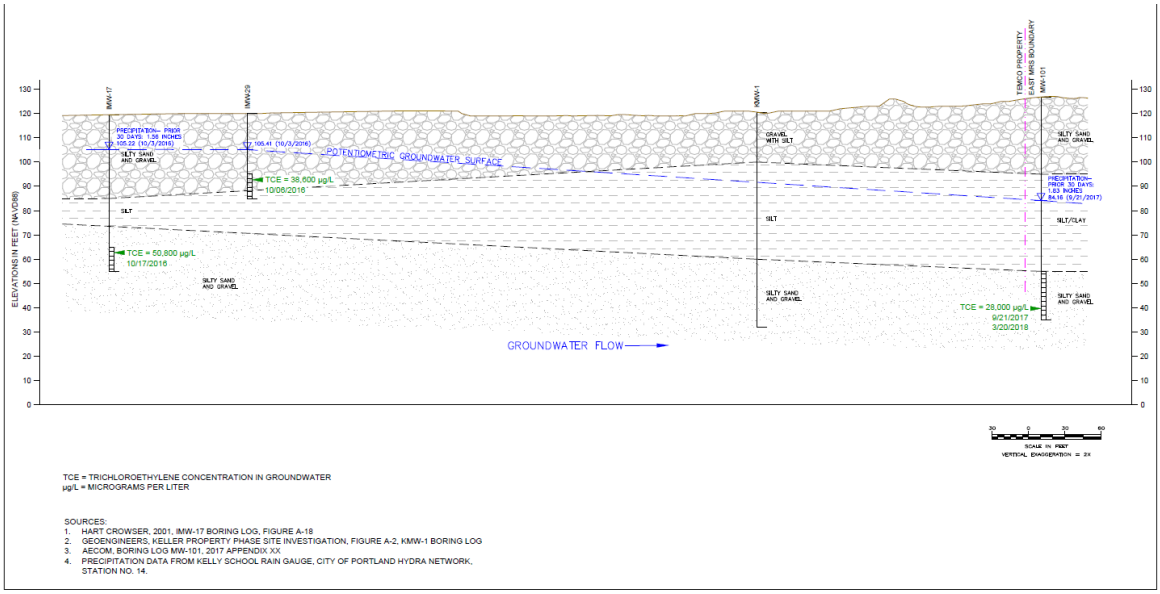
Temco Engineered Products, Inc.
10240 SE Mather Road, Clackamas, Oregon

GEOENGINEERS

Figure 4



MW-101	Sept 2017	March 2018
VOCs (µg/L)		
Trichloroethene	28,000	28,000



TCE = TRICHLOROETHYLENE CONCENTRATION IN GROUNDWATER
µg/L = MICROGRAMS PER LITER

SOURCES:
1. HART CROWSER, 2001, IMW-17 BORING LOG, FIGURE A-18
2. GEOENGINEERS, KELLER PROPERTY PHASE SITE INVESTIGATION, FIGURE A-2, KMW-1 BORING LOG
3. AECOM, BORING LOG MW-101, 2017 APPENDIX XX
4. PRECIPITATION DATA FROM KELLY SCHOOL RAIN GAUGE, CITY OF PORTLAND HYDRA NETWORK, STATION NO. 14.

OFF-SITE SOURCE CROSS-SECTION

AUGUST 2018

CAMP WITHYCOMBE
OREGON MILITARY DEPARTMENT
CLACKAMAS, OREGON

AECOM

SECTION FOUR **Nature and Extent of Contamination**

4.4.2 Groundwater Sampling Results

Groundwater analytical results are presented on **Tables 4-12**. Analytical data validation is presented in **Appendix G**. Groundwater results were below applicable human health PALs with the exception of the TCE concentrations in MW-101, with TCE detected at 28,000 µg/L in both the September 2017 and March 2018 groundwater sampling events (**Figure 4-10**).

Based on the RI soil sampling results associated with potential disposal areas, TCE was non-detect or near detections limits. No TCE sources have been identified in the East MRS to date. TCE has been detected in groundwater monitoring wells located at the adjacent TEMCO facility (**Section 2.5.2**) associated with DEQ Environmental Cleanup Site Information Site Identification 1148. Monitoring well MW-101 is approximately 10 feet from the property boundary and within 400 feet of TEMCO well IMW-17, which is screened in the same stratigraphic unit. The most recent TCE groundwater concentration at TEMCO well IMW-17 (50,800 µg/L) is greater than TCE concentrations at MW-101 (**Figure 4-11**). Groundwater elevation measurements and historical groundwater flow direction trends indicate the direction of groundwater flow diverges beneath the TEMCO facility and flows east toward the East MRS in the screened interval at wells IMW-17 and MW-101. The groundwater elevation and results indicate that TCE is migrating from a source upgradient of the East MRS.

I finally escaped consulting!!

I'm happy to discuss.

Jeremy Haney, R.G
(He / Him)
Restoration and Compliance Program Manager
Oregon Military Department
AGI – Environmental

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