

**From:** [Detterman, Karel, Env. Health](#)  
**To:** ["woodr@cdmsmith.com"](mailto:woodr@cdmsmith.com)  
**Subject:** Fuel Leak Case R00003171 and GeoTracker Global ID Number T10000007044, BART Oakland Maintenance Shop, 601 East 8th Street, Oakland, CA  
**Date:** Monday, June 22, 2015 4:44:58 PM  
**Attachments:** [1502101\\_CDM Rev. 1.pdf](#)  
[Table 2 Analysis Guidance.doc](#)

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Hello Ryan:

I have been assigned as the new Alameda County Environmental Health (ACEH) case worker for this case. Please submit to me by e-mail a Final *Tank Removal Report* and an *Unauthorized Release Form* (URF) for this case by July 17, 2015.

Thank you,

Karel Detterman, PG  
Hazardous Materials Specialist  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502  
Direct: 510.567.6708  
Fax: 510.337.9335  
Email: [karel.detterman@acgov.org](mailto:karel.detterman@acgov.org)

PDF copies of case files can be downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>

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**From:** Wickham, Jerry, Env. Health  
**Sent:** Thursday, June 18, 2015 6:08 PM  
**To:** Detterman, Karel, Env. Health  
**Subject:** FW: BART Oakland Maintenance Shop - Waste Oil Tank

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**From:** Tougeron, Christopher, Env. Health  
**Sent:** Thursday, March 12, 2015 5:21 PM  
**To:** Wickham, Jerry, Env. Health  
**Subject:** FW: BART Oakland Maintenance Shop - Waste Oil Tank

Jerry,

Please review and let me know if this will be a potential LOP case

Thank You

Chris Tougeron  
Sr. Hazardous Materials Specialist

Alameda County Department of Environmental Health  
1131 Harbor Bay Parkway, Alameda, CA 94502  
510-567-6804  
[christopher.tougeron@acgov.org](mailto:christopher.tougeron@acgov.org)

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**From:** Wood, Ryan [<mailto:woodr@cdmsmith.com>]  
**Sent:** Wednesday, March 11, 2015 10:22 AM  
**To:** Tougeron, Christopher, Env. Health  
**Cc:** Gary Jensen; Tzou, Kassandra; Smith, Randall T.; Arnulfo Cardona  
**Subject:** RE: BART Oakland Maintenance Shop - Waste Oil Tank

Chris,

We have received results from the soil sample collected at the BART Oakland Maintenance Shop Waste Oil Tank. Please find the attached lab report. All recommended analyses for Underground Waste Oil tanks were performed per the Table#2 word document that we received prior to sampling (attached for reference).

The following is a list of detected compounds:

- Metals:
  - Chromium: 28 mg/Kg
  - Lead: 91 mg/Kg
  - Nickel: 27 mg/Kg
  - Zinc: 220 mg/Kg
- TPH
  - TPH – gasoline: 0.280 mg/Kg
  - Total Oil and Grease: 450 mg/Kg
  - TPH – diesel: 9.4 mg/Kg

No other analytes were detected.

Feel free to contact me with any questions or concerns.

Thanks,

**Ryan Wood**  
T/F: 925.296.8015  
Cell Phone: 760.310.6358  
[woodr@cdmsmith.com](mailto:woodr@cdmsmith.com)

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**From:** Tougeron, Christopher, Env. Health [<mailto:Christopher.Tougeron@acgov.org>]  
**Sent:** Wednesday, February 18, 2015 11:35 AM  
**To:** Wood, Ryan  
**Cc:** Tzou, Kassandra; Gary Jensen

**Subject:** RE: BART Oakland Maintenance Shop - Waste Oil Tank

Ryan,

Thank you for the email. I agree sampling the second point could potentially damage the tank. If contamination is discovered, the case will be transferred to the LOP department for further review/investigation.

Thank You

Chris Tougeron  
Sr. Hazardous Materials Specialist  
Alameda County Department of Environmental Health  
1131 Harbor Bay Parkway, Alameda, CA 94502  
510-567-6804  
[christopher.tougeron@acgov.org](mailto:christopher.tougeron@acgov.org)

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**From:** Wood, Ryan [<mailto:woodr@cdmsmith.com>]  
**Sent:** Tuesday, February 17, 2015 12:43 PM  
**To:** Tougeron, Christopher, Env. Health  
**Cc:** Tzou, Kassandra; Gary Jensen  
**Subject:** RE: BART Oakland Maintenance Shop - Waste Oil Tank

Hi Chris,

Thank you providing this information and meeting out at the Site on Friday. Here is a summary of the two sample locations requested in your email:

- One soil sample of the native soil was successfully collected on Friday from the location next to the building. This sample was relinquished to Torrent Laboratory and will be analyzed for the verification analyses identified in the word document that you provided.
- As for the other sample you requested near or on top of the UST, we were unable to collect the soil sample from this location due to a large quantity of pea gravel (about 4 to 5 feet of gravel) on top of the tank. Removal of the pea gravel near the tank top could have potentially punctured or damaged the tank.

Per your request, we will provide you with a copy of the laboratory analytical report for the native soil sample collected next to the building when the results are available. Please let me know if you have any questions or concerns.

**Ryan Wood**  
T/F: 925.296.8015  
Cell Phone: 760.310.6358  
[woodr@cdmsmith.com](mailto:woodr@cdmsmith.com)

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**From:** Tougeron, Christopher, Env. Health [<mailto:Christopher.Tougeron@acgov.org>]  
**Sent:** Friday, February 13, 2015 6:35 AM  
**To:** Wood, Ryan  
**Cc:** Tzou, Cassandra  
**Subject:** RE: BART Oakland Maintenance Shop - Waste Oil Tank

Ryan,

My office was closed for a holiday on Thursday.

I have attached the minimum verification analysis document to guide in the sampling event.

The code states samples for underground piping are to be taken every 20 linear feet and/or at every joint/change in direction. Based on the photos shown to me by Perry on Wednesday, there are two joints along the piping run that need to be sampled. One in next to the building and the other appears to be near or on top of the UST.

Please let me know if this answers your question(s).

Thank You

Chris Tougeron  
Sr. Hazardous Materials Specialist  
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1131 Harbor Bay Parkway, Alameda, CA 94502  
510-567-6804  
[christopher.tougeron@acgov.org](mailto:christopher.tougeron@acgov.org)

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**From:** Wood, Ryan [<mailto:woodr@cdmsmith.com>]  
**Sent:** Thursday, February 12, 2015 9:25 AM  
**To:** Tougeron, Christopher, Env. Health  
**Cc:** Tzou, Cassandra  
**Subject:** BART Oakland Maintenance Shop - Waste Oil Tank

Hi Chris,

I wanted to touch base with you regarding the collection of soil samples near the waste oil tank at the Oakland Bart Shop. It sounds like it would be easiest to collect the soil samples tomorrow morning under the oversight of Alameda County. In order to properly prepare for sampling, we will need to know exactly how many samples to collect and which analyses to run.

Also, we typically use a contracted lab through BART for all of our environmental sampling. Would it be sufficient for us to use that lab, or do you have a required lab through the county? We would like to evaluate the potential additional costs of collecting soil samples before we collect them, as

soil sampling was not in our original scope of work.

Please give me a call at your earliest convenience so we can work out the details.

Thank you,

**Ryan W. Wood** | Geologist | CDM Smith | 100 Pringle Avenue, Suite 300 | Walnut Creek, CA 94596 | T/F:  
925.296.8015 | Cell Phone: 760.310.6358 | [woodr@cdmsmith.com](mailto:woodr@cdmsmith.com)