

## Wickham, Jerry, Env. Health

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**From:** Wickham, Jerry, Env. Health  
**Sent:** Monday, August 29, 2011 11:33 AM  
**To:** Jeff Setera  
**Cc:** Miller, Charles GSA - Technical Service Department; mkuykendall@sandis.net; 'Logan Medeiros'; 'Peter Langtry'; 'Paul Beamer'; 611021@sandis.net; 'Nathan Allen'  
**Subject:** RE: 611021 - Ashland Revised Soil Sampling Plan

Jeff,

I have reviewed the Revised Soil Sampling Plan consisting of a Revised Sampling Location Map and the text referenced below for case RO0212. The proposed sampling is acceptable with the same two conditions listed below that were provided in our previous comments:

- 1) If visual staining, odor, elevated PID readings, or other obvious signs of contamination are observed in a test pit, the fixed sample intervals will be adjusted or additional soil samples will be collected as necessary to characterize the contamination.
- 2) The conditions in each test pit will be logged by a qualified engineer or geologist.

Regards,  
Jerry Wickham  
Alameda County Environmental Health

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**From:** Jeff Setera [jsetera@sandis.net]  
**Sent:** Monday, August 29, 2011 10:37 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Miller, Charles GSA - Technical Service Department; mkuykendall@sandis.net; 'Logan Medeiros'; 'Peter Langtry'; 'Paul Beamer'; 611021@sandis.net; 'Nathan Allen'  
**Subject:** 611021 - Ashland Revised Soil Sampling Plan

Jerry:

Our geotechnical and environmental engineers along with the contractor will be executing this sampling plan tomorrow. Please review and approve as-is or provide any comments.

Thank you,

Jeff



**SANDIS**

CIVIL ENGINEERS  
SURVEYORS  
PLANNERS

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**From:** Peter Langtry [mailto:plangtry@cornerstoneearth.com]  
**Sent:** Monday, August 29, 2011 10:28 AM  
**To:** Nathan Allen; Logan Medeiros  
**Cc:** mkuykendall@sandis.net; 'Jeff Setera'; 611021@sandis.net  
**Subject:** RE: 611021 - Ashland Soil Sampling

Here is the proposed soil sampling plan for August 30. The locations are shown on the attached site map. The goal of the sampling is to delineate the vertical and lateral extent of contaminants of concern in on-site soil and to provide information needed for landfill waste profiling.

**Test Pits TP-1 through TP-17**

½ foot to 1 foot  
2 feet to 2 ½ feet  
3 to 3 ½ feet

CAM 17 metals (EPA 6000/7000); TPH diesel/motor oil with SG cleanup (EPA 8015); TPH gasoline/volatile organic compounds (VOCs) (EPA 8260); organochlorine pesticides (OCP) and polychlorinated biphenyls (PCBs) (EPA 8081/8082); polynuclear aromatic hydrocarbons (PAHs) (8270SIM).

4 ½ to 5 feet: Hold at lab.

**Test Pits TP-18, TP-29, TP-21 and TP-22 (located within -3 foot cut)**

0 to ½ foot (-3 to -3 ½ feet below original grade):

CAM 17 metals (EPA 6000/7000); TPH diesel/motor oil with SG cleanup (EPA 8015); TPH gasoline/VOCs (EPA 8260); OCP and PCBs (EPA 8081/8082); PAHs (8270SIM).

1 ½ to 2 feet (-4 ½ to -5 feet below original grade): Hold at lab.

**Test Pit TP-20 (located within -6 foot cut area/former pit B2)**

2 to 2 ½ feet (-8 to -8 ½ feet below original grade):

TPH diesel/motor oil with SG cleanup (EPA 8015); TPHg/VOCs (EPA 8260).

If metals are detected in soil samples at 10 times the STLC limit and the soil appears to require off-site disposal, based on concentrations of contaminants of concern detected, the soil samples will be additionally analyzed for soluble (Waste Extraction Test) metals.

Please let me know if you have any questions or need anything else.

Sincerely,

Peter Langtry, P.G., C.E.G.  
Principal Geologist



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**From:** Nathan Allen [mailto:nallen@sandis.net]  
**Sent:** Friday, August 26, 2011 4:50 PM  
**To:** 'Logan Medeiros'; Peter Langtry  
**Cc:** mkuykendall@sandis.net; "Jeff Setera"; 611021@sandis.net  
**Subject:** 611021 - Ashland Soil Sampling

Logan,

As soon as you and Peter have coordinated the actual number and type of sampling, please send us a revised cost estimate for this work (including an expedited (2 Day?) Turnaround and any impact on your time) so we can get the cost impact in front of the County.

Peter,

Similarly, please let us know what additional time/fee you will need for this additional scope.

Lastly, I told Jerry we'd have a sampling plan to him on Monday morning so please do what you can to stick to this goal.

Thanks for your efforts to date.

Have a good weekend,

Nathan



**Nathan Allen, PE**  
**Project Engineer**  
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