

Wickham, Jerry, Env. Health

From: Gary Thomas, P.G. [gthomas@pesenv.com]
Sent: Tuesday, April 07, 2009 11:29 AM
To: Wickham, Jerry, Env. Health
Cc: Kyle S. Flory; Chris Baldassari
Subject: Lead & Zinc Results - 4600-4700 Coliseum Way Site
Attachments: Lead&zinc results_Coliseum Way Site.pdf

Hi Jerry – Attached are the Lead & Zinc Results for the recently conducted investigation at the 4600-4700 Coliseum Way Site. As indicated on the table, the only result above the ESL value was zinc in the 0.5 foot sample collected from boring B-31 (note: the boring IDs are not sequential because we advanced additional stepout boring, but ended up not having to analyze the samples from these borings based on the results of the borings shown on the attached table and plate). We advance 4 stepout borings (B-37 through B-40), but have not yet received the results from the lab. I update the table as soon as the results are received, which should be no later than tomorrow morning.

As indicated on the attached table, lead and zinc concentrations at a depth of approximately 1 foot in the vicinity of the former shed are below ESL values. However, red-stained soil is still present beneath the concrete floor of the shed. The red-stained soil beneath the former shed will be removed during implementation of the CAP.

We will begin remediation activities at the site tomorrow (Wed. April 8) at approximately 8 AM. Activities planned for tomorrow include:

- Removing the concrete pad and red-stained soil;
- Advancing potholes to collect the proposed sidewall and bottom verification samples; and
- Conducting the geophysical survey (at about 1 PM) in the vicinity of the possible fuel tank.

Thanks,
Gary Thomas
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Table 1
Metals in Soil
4600-4700 Coliseum Way
Richmond, California

Boring Identification	Sample Identification	Sample Depth (Feet bgs)	Sample Date	Lead (mg/kg)	Zinc (mg/kg)
B-16	B-16-0.5	0.5-1.0	3/27/2009	60	81
B-17	B-17-0.5	0.5-1.0	3/27/2009	46	91
B-19	B-19-0.5	0.5-1.0	3/27/2009	130	91
B-21	B-21-0.5	0.5-1.0	3/27/2009	40	100
B-22	B-22-1.0	1.0-1.5	3/27/2009	76	70
B-24	B-24-0.5	0.5-1.0	3/27/2009	68	100
B-25	B-25-1.0	1.0-1.5	3/27/2009	44	55
B-26	B-26-1.0	1.0-1.5	3/27/2009	14	25
B-27	B-27-1.0	1.0-1.5	3/27/2009	68	84
B-28	B-28-1.0	1.0-1.5	3/27/2009	84	60
B-30	B-30-0.5	0.5-1.0	3/27/2009	100	99
B-31	B-31-0.5	0.5-1.0	3/27/2009	43	1,300
	B-31-1.5	1.5-2.0	3/27/2009	NA	190
B-32	B-32-1.0	1.0-1.5	3/27/2009	37	72
B-33	B-33-0.5	0.5-1.0	3/27/2009	79	70
B-35	B-35-0.5	0.5-1.0	3/27/2009	5.3	62
B-37	B-37-1.0	1.0-1.5	3/27/2009	17	61
Shallow (<3 meters bgs) Soil ESL⁽¹⁾				750	600

Notes:

bgs = Below ground surface

mg/kg = Milligrams per kilogram

NA = Not analyzed

ESL⁽¹⁾ = San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) for commercial/industrial land use where potentially impacted groundwater is not a current or potential drinking water resource.

- Results exceeding residential ESLs are shaded

