

Detterman, Mark, Env. Health

From: Detterman, Mark, Env. Health
Sent: Tuesday, June 07, 2016 3:53 PM
To: 'Nick Loizeaux'; Roe, Dilan, Env. Health
Cc: Northridge, Colby (CNorthridge@Related.com); Greg Noblet; David Grunat; 'Lauren Brewer' (lauren.a.brewer@gmail.com) (lauren.a.brewer@gmail.com); Travis Wicks
Subject: RE: RO3202 - OIHP, 94th & INT'L project update 6/7/16

Nick,
I did get your voice mail but it did not seem necessary to respond at the time.

Thanks for this update and the news of the change of approach. It appears to be a reasonable method to eliminate excavation difficulties at the site, and I am equally as hopeful that the native material will be less problematic.

Hope the vacation is good.

Mark Detterman
Senior Hazardous Materials Specialist, PG, CEG
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6876
Fax: 510.337.9335
Email: mark.detterman@acgov.org

PDF copies of case files can be downloaded at:

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

From: Nick Loizeaux [<mailto:nick@irisenv.com>]
Sent: Tuesday, June 07, 2016 11:40 AM
To: Detterman, Mark, Env. Health; Roe, Dilan, Env. Health
Cc: Northridge, Colby (CNorthridge@Related.com); Nick Loizeaux; Greg Noblet; David Grunat; 'Lauren Brewer' (lauren.a.brewer@gmail.com) (lauren.a.brewer@gmail.com); Travis Wicks
Subject: RO3202 - OIHP, 94th & INT'L project update 6/7/16

Mark –

I'm following up on a voice mail I left you last morning Thursday June 2nd. I'd like to update you on the progress of remedial excavation and detail a significant departure from our planned excavation as outlined in the *Remedial Action Plan for Lead Excavation (May 2016)*.

In summary, the project is excavating considerably more soil/material from Site than anticipated to remove the uppermost brown FILL unit that "blankets" the Site. Upon Site demolition/stripping, it was obvious the brown FILL unit extended across the Site, ranging in thickness from a few inches to 2.5-feet thick in some locations. Underlying the brown FILL unit, is a dark grey silty NATIVE deposit. I've attached a photograph of the contact.

After approximately two weeks of excavation oversight and sidewall sampling with a portable XRF and concurrent brick-and-mortar laboratory analysis, we were experiencing an approximate 20-40% "failure rate" on our sidewall samples (e.g. lead above 80 mg/kg) in the Brown FILL unit. With that failure rate, our excavation limits would have become increasingly fragmented (e.g. "saw-toothed"), with multiple iterations of sampling and over-excavation. A

determination was made last Thursday June 2nd to remove the entire brown FILL unit. Our decision to remove the brown FILL unit from the Site eliminates the Site's potential impacts of lead (and a few other compounds, including arsenic) found in the uppermost fill unit, and leaves a NATIVE dark grey silty clay unit behind. We've been collecting (and will continue to collect) excavation bottom samples from the NATIVE clay for confirmation analyses, and I'm optimistic our data (including arsenic) will be representative of background and acceptable for residential site re-use.

The current RAP did not contemplate soil imports for the project. As we will now have to import approximately 2,000 cubic yards for the project, RPS Iris Environmental will be evaluating all proposed imports against the 2001 DTSC Import Fill Advisory and residential site-reuse thresholds. All activities will be detailed and documented in our Remedial Action Completion Report submitted to ACEH in August 2016.

I will be out of the country on vacation beginning this Thursday June 9th and returning after July 4th. In my absence, David Grunat, P.G. will be filling in as Project Manager (510-834-4747 x48; dgrunat@irisenv.com) and Greg Noblet, P.E., Principal (X13; gnoblet@irisenv.com) as backup.

Thanks, Nick

Nicholas T. Loizeaux, P.G.
Principal - RPS Iris Environmental

1438 Webster Street, Suite 302,
Oakland, California, 94612.
USA

Tel: +1 510 834 4747 x14

Fax: +1 510 834 4199

Mobile: +1 510-772-7866

Email: nloizeaux@irisenv.com

www: www.rpsgroup.com | www.irisenv.com

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RPS Group Plc, company number: 208 7786 (England). Registered office: 20 Western Avenue Milton Park Abingdon Oxfordshire OX14 4SH.

RPS Group Plc web link: <http://www.rpsgroup.com>