

From: [Phillips, Hollis](#)
To: [Roe, Dilan, Env. Health](#)
Subject: FW: 11126 Powell St. Emeryville, CA
Date: Tuesday, June 05, 2012 4:17:07 PM
Attachments: [DIR L 2011-12-06.pdf](#)
[BP-11126 Fact Sheet.doc](#)

Dilan:

I believe this site was transferred from Paresh to Karel and finally to you...We are under directive to implement the CAP by March 2012. However, I never received an answer to my soil vapor question (copied below) which was asked in January 2012 (Paresh was transitioning the project and Karel never responded when I forwarded the question).

I know you thought you'd have at least a day of respite but it doesn't look that way. My technical lead on 11126 Powell Street doesn't think soil vapor sampling will be necessary for the calcium peroxide direct push injections. Looking at the June 2011 concentrations at MW-2 (12 mg/L TPH-g and 4.3 mg/L BTEX), MW-5 (3.3 mg/L TPH-g), MW-6 (2.1 mg/L TPH-d), and MW-9 (4.7 mg/L TPH-g and 1.2 mg/L BTEX), if significant vertical fractures are created with direct push, the potential exists for flushing of contaminated pore water towards the water table. Since the "smear zone" associated with the station already contains the majority of the residual impacts anyway, this would be a negligible increase from the saturated zone. From a technical perspective, implementing EAB should have a minimal effect on existing soil vapor concentrations. Please let me know if you're in agreement.

Additionally I sent Karel a Fact Sheet (attached) in March 2012. I have not heard back that it is OK (or it needs work) so it has not been sent out. I would like to move forward with the CAP implementation. Can you let me know if the Fact Sheet is ok and if so who to distribute it to. Also please let me know about the soil vapor question.

Thanks

Hollis

NOTE NEW PHONE NUMBER

Hollis E. Phillips, PG | Principal Geologist | hollis.phillips@arcadis-us.com
ARCADIS U.S., Inc. | 100 Montgomery , Suite 300 | San Francisco, CA, 94104
T415.432.6903 | M. 510.219.7764 | F.415.374.2745
www.arcadis-us.com

Professional Geologist/PG-CA #6887

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From: Khatri, Paresh, Env. Health [mailto:paresh.khatri@acgov.org]
Sent: Tuesday, February 14, 2012 10:16 AM
To: Detterman, Karel, Env. Health
Cc: Phillips, Hollis
Subject: FW: 11126 soil vapor request

Hello Karel,

I believe that this site (RO0000066) may be one of your newly assigned cases.

Sincerely,

Paresh C. Khatri
Sr. Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Phone: (510) 777-2478
Fax: (510) 337-9335

E-mail: Paresh.Khatri@acgov.org

<http://www.acgov.org/aceh/index.htm>

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From: Phillips, Hollis [<mailto:Hollis.Phillips@arcadis-us.com>]
Sent: Monday, February 13, 2012 2:41 PM
To: Khatri, Paresh, Env. Health
Subject: FW: 11126 soil vapor request

Paresh:

Can you please let me know about soil vapor sampling on 11126 and the proposal for sub-slab sampling at 4931. I'm going to start missing deadlines if I don't get a response.

Thanks
Hollis

From: Phillips, Hollis
Sent: Tuesday, January 31, 2012 8:38 AM
To: 'Khatri, Paresh, Env. Health'
Subject: FW: 11126 soil vapor request

Paresh:

Once you get back to me on the soil vapor sampling question I'll start the pilot test – thanks

Hollis

From: Phillips, Hollis

Sent: Tuesday, January 17, 2012 4:52 PM
To: 'Khatri, Paresh, Env. Health'
Subject: 11126 soil vapor request

Paresh:

I know you thought you'd have at least a day of respite but it doesn't look that way. My technical lead on 11126 Powell Street doesn't think soil vapor sampling will be necessary for the calcium peroxide direct push injections. Looking at the June 2011 concentrations at MW-2 (12 mg/L TPH-g and 4.3 mg/L BTEX), MW-5 (3.3 mg/L TPH-g), MW-6 (2.1 mg/L TPH-d), and MW-9 (4.7 mg/L TPH-g and 1.2 mg/L BTEX), if significant vertical fractures are created with direct push, the potential exists for flushing of contaminated pore water towards the water table. Since the "smear zone" associated with the station already contains the majority of the residual impacts anyway, this would be a negligible increase from the saturated zone. From a technical perspective, implementing EAB should have a minimal effect on existing soil vapor concentrations. Please let me know if you're in agreement.

Hollis

Hollis E. Phillips, PG | Principal Geologist | hollis.phillips@arcadis-us.com

ARCADIS U.S., Inc. | 100 Montgomery , Suite 300 | San Francisco, CA, 94104
T415.374.2744 X13 | M. 510.219.7764 | F.415.374.2745
www.arcadis-us.com

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