

Detterman, Mark, Env. Health

From: Detterman, Mark, Env. Health
Sent: Tuesday, May 01, 2012 4:53 PM
To: 'Robert Kitay'
Subject: RE: 120 Vista Avenue, Piedmont Response to Workplan Approval Letter

Hi Robert,

Thanks for the correspondence; if you can upload it to the ACEH ftp website it would be appreciated.

I will defer to your judgment as to the most appropriate drilling method for the site; I would also be significantly concerned about the quality of the data collected with a drilling technique that employs surplus water as a coolant.

I do also want to clarify the additional soil bore. I do not recall specifically making a distinction between a request or a requirement, and typically would not; it may remain as a point of concern at the site.

Mark Detterman
Senior Hazardous Materials Specialist, PG, CEG
Alameda County Environmental Health
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Alameda, CA 94502
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PDF copies of case files can be downloaded at:

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

From: Robert Kitay [<mailto:rkitay@aquascienceengineers.com>]
Sent: Tuesday, May 01, 2012 2:05 PM
To: Detterman, Mark, Env. Health
Subject: 120 Vista Avenue, Piedmont Response to Workplan Approval Letter

Hello Mark -

Attached is a response to your workplan approval letter. Please contact me with any questions or concerns.

Robert Kitay
Aqua Science Engineers
(925) 413-8604 (cell)



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

April 26, 2012

Mr. Mark Detterman
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

SUBJECT: RESPONSE TO MARCH 30, 2012 CONDITIONAL WORKPLAN
APPROVAL LETTER
City of Piedmont City Hall
120 Vista Avenue
Piedmont, California

Dear Mr. Detterman:

This letter is in response to your March 30, 2012 Conditional Workplan Approval Letter. Our response to your technical comments are as follows:

Drilling Methodology:

ASE has contacted Cascade Drilling and RSI Drilling (recently merged and one of the largest drilling companies offering sonic drilling in California) regarding their experience and recommendations for drilling in the Piedmont area with a sonic drilling rig. They confirmed my feelings that sonic would not be an appropriate drilling method in areas where bedrock is present. They recommended an HQ coring system (uses water to cool the drilling bit) or mud rotary. The HQ coring system will only work if the rock is unfractured and water circulation can be maintained, which was why my workplan recommended mud rotary. However, if you would prefer use of the HQ coring system due to concerns with mud rotary, please let me know ASAP so we can modify our proposal. If the HQ system didn't work due to loss of circulation, then drilling could continue using mud rotary.

Request for an Additional Bore:

ASE has discussed whether or not to add an additional bore in the location of the former 1,000-gallon UST with the City of Piedmont. As you stated on the phone, this was a request and not a requirement, and as such the City of Piedmont has elected not to add this additional boring.

Soil and Groundwater Analytical:

As you requested, the oxygenates ETBE, TAME, DIPE and TBA as well as the lead scavengers EDB and EDC will be added to all soil and groundwater analyses.



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Total Bore Depth:

ASE will use caution not to miss groundwater at much shallower depths (especially in sediment immediately above bedrock) and will collect water samples from shallow zones if present.

Technical Report Request:

As we discussed on the telephone, the request for the vapor survey with preferential pathway survey in your letter was in error and will not be a requirement at this time. ASE notes that the technical report request has a very tight deadline. ASE may require 2 to 3 additional weeks for the report to be completed. The drilling should be completed within your requested time period; however, it may take additional time to receive analytical data from the laboratory and then use this data to have waste material (drill cuttings and drilling mud) profiled and transported from the site for disposal. If an extension is needed we will contact your office. As you noted during our telephone conversation, an extension would not be an issue if required. If an earlier submittal is requested, the description of the disposal of investigation derived waste will not be available in the report.

ASE will schedule the drilling for approximately 16 to 18 days after the date of this letter to allow for the 2-week requirement for a drilling permit from the Alameda County Public Works Agency. Since the drilling method must be stated in the drilling permit application, ASE requests that any additional questions or comments you may have be provided within the next 3 days. Please feel free to call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.



A handwritten signature in black ink that reads 'Robert E. Kitay'.

Robert E. Kitay, P.G., R.E.A.
Senior Geologist