

Jakub, Barbara, Env. Health

To: Bob Clark-Riddell; lee@douglasparking.com
Subject: RE: Douglas Parking, 1721 Webster, Oakland - File # 4070

Bob,
Please submit a work plan to perform additional assessment as you described below. I will follow-up with a letter reviewing the site, your reduced sampling program and your request to discontinue the SVE/AS system.
Please continue to operate the SVE/AS system at this time.
Regards,
Barbara Jakub

From: Bob Clark-Riddell [mailto:BRiddell@pangeaenv.com]
Sent: Thursday, February 05, 2009 2:24 PM
To: Jakub, Barbara, Env. Health
Subject: RE: Douglas Parking, 1721 Webster, Oakland - File # 4070

Barbara,

This email follows our telephone discussion today regarding the apparent limited effectiveness of the existing SVE/AS system at the site. In our Fourth Quarter 2008 groundwater monitoring report Pangea states we plan to prepare a workplan to further evaluate site conditions to facilitate modification to site remediation. Background information and the project schedule are discussed below.

ADDITIONAL BACKGROUND INFORMATION FROM 4th QUARTER 2008 REPORT

“Despite over 12 months of SVE/AS system operation groundwater conditions have not significantly improved, although the recent benzene reduction in well MW-2 may be due to enhanced sparging efforts in well AS-2. The limited system effectiveness may be due to insufficient well spacing/quantity or due to a possible offsite source. Pangea plans to prepare a workplan proposing additional assessment to evaluate groundwater geochemistry and to delineate the offsite plume before proposing remediation modifications. The groundwater geochemistry analyses would evaluate existing bacteria and nutrients for hydrocarbon degradation. Grab groundwater sampling would assess downgradient and crossgradient locations to determine if the site plume extends under Webster Street or if contaminants detected in wells (MW-4 and MW-6) located across Webster Street are due to an offsite source (two former UST sites are shown on Figure 2 of quarterly monitoring report). Based on the results of the assessment, Pangea may propose expansion of the SVE/AS system or an alternative remedial approach. We anticipate performing the assessment during the second quarter 2009 after receiving regulatory approval. In the meantime, the SVE/AS system will be shut off to control costs.”

SCHEDULE

Your quick concurrence with workplan preparation is respectfully requested for two reasons: (1) to allow bioparameter sampling during the upcoming regular sampling event scheduled for April 2009, and (2) to minimize the downtime for the SVE/AS remediation system located at the site. If you provide concurrence with workplan preparation via email or directive letter within the next week or so, we can prepare a workplan in time to allow up to 60 days for workplan review/approval followed by bioparameter sampling in late April 2009.

P.S. Note that our 4th quarter report also presents a reduced sampling program to help control costs.

Thank you again for your assistance with this case. Feel free to call or email with questions.

Bob Clark-Riddell, P.E.
Principal Engineer
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(510) 435.8664 Phone