

Detterman, Mark, Env. Health

From: Detterman, Mark, Env. Health
Sent: Wednesday, January 21, 2015 2:41 PM
To: 'Sami Malaeb'
Subject: RE: 2145 35th Ave, Oakland (Chevron 9-8861; RO2945)
Attachments: Figure 2 Locations of Drilled and Proposed Soil Gas Sampling Locations (Jan 15).pdf

Sami,

Thanks for the revised figure and scope of work. It appears appropriate and it appears warranted to do both offsite temporary soil vapor points due to the proximity of the residential apartment building. Let me know if you will need a submittal extension; however, the current due date is March 16, 2015, so it should be possible to get a report here by then.

Mark Detterman
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PDF copies of case files can be downloaded at:

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

From: Sami Malaeb [mailto:s.malaeb@comcast.net]
Sent: Wednesday, January 21, 2015 2:01 PM
To: Detterman, Mark, Env. Health
Subject: RE: 2145 35th Ave, Oakland (Chevron 9-8861; RO2945)

Hi Mark:

As you requested today, I added one more soil gas boring closer to 35th Avenue (SG-5). Therefore, we are proposing two additional soil gas borings, SG-4 and SG-5. Please see the attached updated figure. Since Naphthalene is no longer an issue, I plan to analyze the gas samples only for:

Benzene and Ethylbenzene, and Isobutyl Alcohol (the trace compound) by TO-15 and for the atmospheric compounds by ASTM Method D-1946 (Oxygen, Nitrogen, Methane, and Carbon Dioxide).

Also, as we discussed, while drilling the soil gas borings, we plan to collect two soil samples from each boring at depths of 2 feet below surface grade (bsg) and 5 feet bsg and analyze the soil samples for Total TPH-G and TPH-D by using EPA Method 8015.

Please confirm that this plan is acceptable to you.

Best,

Sami Malaeb, P.E., QSP/QSD
TEL: (925) 858-9608

Email: s.malaeb@comcast.net

From: Sami Malaeb [<mailto:s.malaeb@comcast.net>]
Sent: Sunday, January 18, 2015 11:42 AM
To: 'Detterman, Mark, Env. Health'
Subject: RE: 2145 35th Ave, Oakland (Chevron 9-8861; RO2945)

Hi Mark:

I obtained the soil gas lab results for the subject site late Friday. I summarized the results in the attached table. Also, I attached a copy of the lab results and a figure. Based on these analytical findings, we conclude the following:

1. Naphthalene was not detected and confirmed by TO-17 to be well below the risk level of 93 $\mu\text{g}/\text{m}^3$ in all three locations.
2. Both Benzene and Ethylbenzene exceeded the risk levels of 85 $\mu\text{g}/\text{m}^3$ and 1,100 $\mu\text{g}/\text{m}^3$ respectively in SG-3 near the south corner of the site.
3. No exceedances in SG-1 and SG-2, except, I need to talk to the lab to see if they can find out whether the detection of benzene could be proved to be $<85 \mu\text{g}/\text{m}^3$.
4. No 2-propanol (Trace compound) was detected so the manifold and probes were tight.

At this point I suggest collecting one more soil gas sample near the wall of the Apartment building (SG-4). Please see the attached figure. I plan to analyze the sample only for:

Benzene and Ethylbenzene, and Isobutyl Alcohol (the trace compound) by TO-15 and for the atmospheric compounds by ASTM Method D-1946 (Oxygen, Nitrogen, Methane, and Carbon Dioxide).

I will call you on Monday to discuss this email.

Thanks,

Sami Malaeb, P.E., QSP/QSD
TEL: (925) 858-9608
Email: s.malaeb@comcast.net

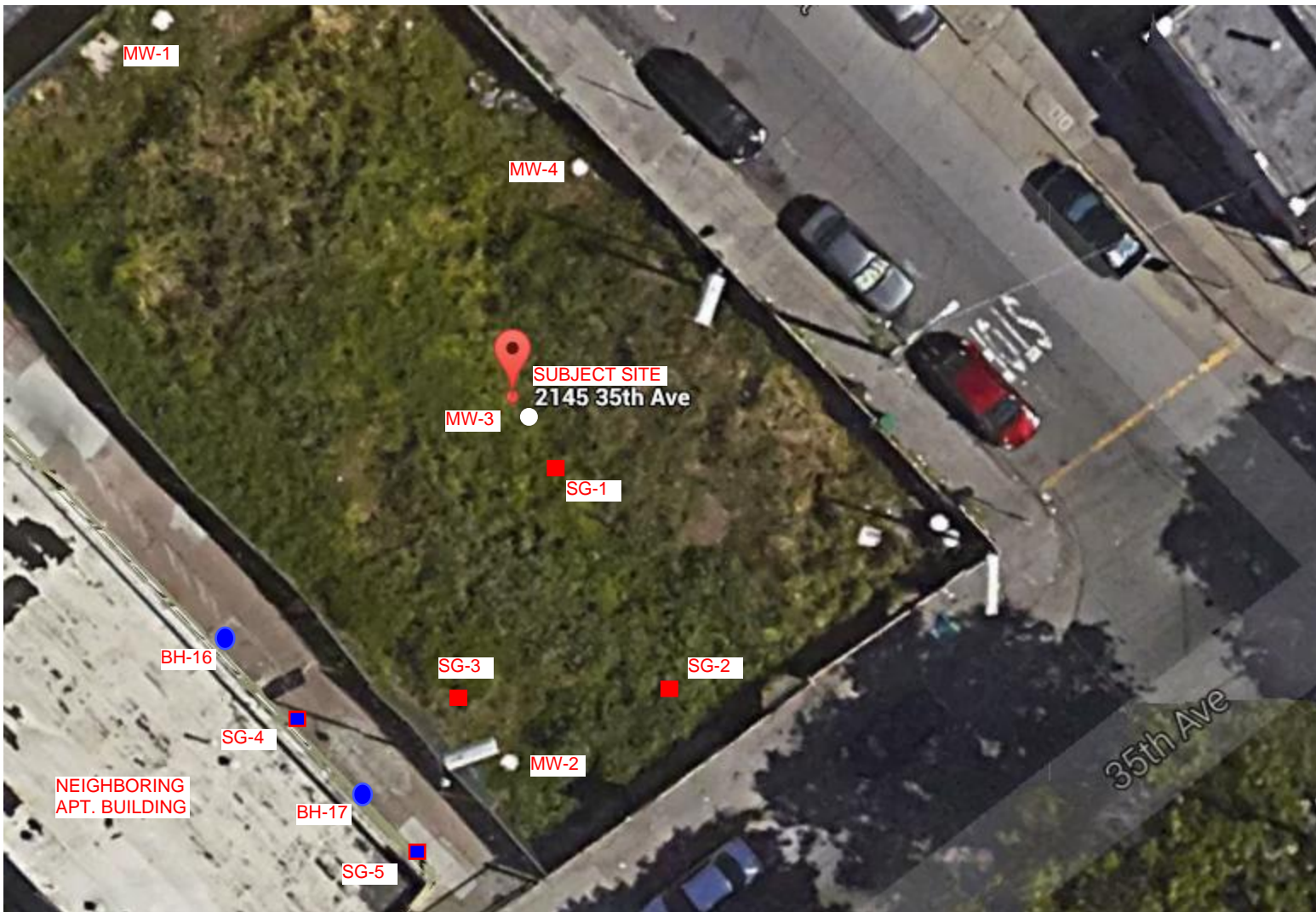
From: Detterman, Mark, Env. Health [<mailto:Mark.Detterman@acgov.org>]
Sent: Wednesday, January 14, 2015 11:14 AM
To: 'Sami Malaeb'
Subject: RE: 2145 35th Ave, Oakland (Chevron 9-8861; RO2945)

Sami,

Thanks for the update on the site. The extension request appears appropriate. Please use this email to document ACEH concurrence; however, to minimize costs, I have kept the two reports as originally requested as a single report submittal with a March 16 date. If you think it warranted, please keep me advised as to the vapor results prior to report submittal.

Best,

Mark Detterman



Approximate Scale :
1 inch = 20 feet



■ Already Sampled
Soil Gas Locations

■ Proposed Soil Gas
Sampling Location

● Drilled soil borings

Figure 3 – Approximate Locations of Drilled and Proposed Soil Gas Sampling Locations