Detterman, Karel, Env. Health

From: Detterman, Karel, Env. Health
Sent: Tuesday, July 25, 2017 10:38 AM
To: 'Rodger Witham'
Cc: Jared Wright; Everett Cleveland; Nik Lahiri; Roe, Dilan, Env. Health
Subject: RE: Notification of Field Work, 760 22nd Street, Oakland, California - SCP RO0003153 and GeoTracker Global ID T10000006348, Bekins Redevelopment, 760 22nd Street, Oakland, CA 94612

Hello Rodger:

Thank you for the field work notification and a summary of our telephone conversation yesterday.

Please note Alameda County Department of Environmental Health's (ACDEH's) comments from the July 17, 2017 Directive Letter regarding your comment 2a and 2c highlighted below.

Sincerely,

Karel Detterman, PG
Hazardous Materials Specialist
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: Rodger Witham [mailto:rodger@esseltek.com]
Sent: Tuesday, July 25, 2017 9:38 AM
To: Detterman, Karel, Env. Health <Karel.Detterman@acgov.org>; Jared Wright <jwright@ebaldc.org>; Everett Cleveland <ecleveland@ebaldc.org>; Nik Lahiri <NLahiri@esseltek.com>
Subject: Notification of Field Work, 760 22nd Street, Oakland, California

Karel:

This email is notice that Essel Environmental Consulting (Essel) will perform most of the field work at the above-referenced property on Friday, July 28, 2017. The scope of work will be in accordance with Essel's June 27, 2017 Work Plan, ACDEH letter of July 17, 2017, and as discussed with you on July 24, 2017, as follows.

1) Advance three borings into the ground water at locations of the former underground storage tank, former fuel dispenser, and geophysical anomaly. Gauge depth to ground water and collected water samples for analysis for TPHg, d, and mo, VOCs, and polynuclear aromatic hydrocarbons.

2a) Install two semi-permanent soil vapor probes in close proximity to boring ECB-15 in the geophysical anomaly area. One probe will be installed to a depth 5 feet below the anticipated base of the future on-site building (probe depth of of approximately 7 feet below grade). One probe will be installed to the maximum depth possible (8 to 10 feet depending on water level). The probe locations will likely be approximately 5 feet apart (lateral distance) to avoid any cross connection during sampling.

ACDEH's Technical Comment 1a: In order to evaluate methane explosive potential and vapor intrusion risk to building occupants, soil vapor samples in the vicinity of boring ECB-15 should be collected at two depths: (1) five feet below the slab

foundation in vicinity of the mechanical/electrical room, and (2)in the unsaturated zone as close as possible to the maximum TPH and naphthalene detections to evaluate the impact of remaining source material on the puzzle lift.

2b) Sometime next week, the two probes will be purged as practicable,and sampled using sorption tubes and syringes for analysis for naphthalene only by EPA Method TO-17.

2C) The deeper probe will be sample using a Summa canister for analysis for methane and fixed gases by ASTM 1946 and the tracer gas only by EPA Method TO-15.

As approved in the July 17, 2017 ACDEH Directive Letter, all four new soil vapor probes are to be analyzed for methane and fixed gases by ASTM 1946 and the tracer gas only by EPA Method TO-15 in addition to naphthalene by TO17.

3) Two soil vapor probes will be installed along the western property line; one at the location of boring ECB-16 and one halfway between borings ECB-16 and ECB-11. These probes will be installed 5 feet below the foundation of the adjacent apartment building (approximately 7 feet below grade) and sometime next week purged and sampled using the sorbent tubes and analyzed for naphthalene by EPA Method TO-17.

As discussed, plastic clay underlies the geophysical anomaly area at shallower depths (above 10 feet) and installation of probes in this clay may present challenges for obtaining vapor samples.

The vapor sampling equipment will arrive from the laboratory on Monday, July 31 and sampling of the four vapor probes will be conducted next week, possibly Tuesday, August 1.

Please call or email me if you have any questions or concerns.

Thanks

Rodger Witham
Essel Environmental Consulting
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