

Nowell, Keith, Env. Health

From: Nowell, Keith, Env. Health
Sent: Monday, June 04, 2018 3:43 PM
To: 'Brinigar, Ryan'
Cc: Eric Englehart (eenglehart@portoakland.com); dheinze@portoakland.com; Roe, Dilan, Env. Health (Dilan.Roe@acgov.org); Khatri, Paresh, Env. Health; (jamesy@acpwa.org)
Subject: Conditional Work Plan Approval, Geotechnical Investigation Work Plan 2800 7th Street - TraPac

Dear Mr. Brinigar

Thank you for providing Alameda County Department of Environmental Health staff (ACDEH) with the document entitled *Work Plan - Geotechnical Site Investigation* (Work Plan) prepared by AECOM and included as an attachment to an electronic mail dated May 14, 2018. The Work Plan was prepared at the request of TraPac, LLC (TraPac), a tenant operating a shipping/receiving terminal owned by the City of Oakland/ Port of Oakland (Port). The TraPac facility is addressed as 2800 7th Street, Oakland.

In the Work Plan, AECOM proposes to advance two bores to a maximum depth of approximately 15 feet below the existing ground surface (bgs) using hollow stem auger drilling equipment. The focus of the geotechnical investigation is to recover soil samples to evaluate engineering properties of subsurface soil conditions. Due to the proximity of the geotechnical investigation to an open fuel leak case, *Port of Oakland / Kaiser & Powerline Oil / Berth 30*, 2800-2801 7th Street, ACDEH case number RO0000101 and GeoTracker Global ID T060010109, AECOM proposes to screen samples and breathing space vapors with the use of a photoionization detector (PID), use triple bucket decontamination for all sampling equipment, and steam clean auger flights between boreholes. Soil samples will be recovered from just above the depth of groundwater observed in the boring. Additional samples will be recovered if evidence of staining, odor, or elevated photoionization detector readings are observed. Recovered soil samples will be analyzed for total petroleum hydrocarbons (TPH) as diesel (TPHd), benzene, toluene, ethylbenzene, and total xylenes (BTEX). Grab groundwater (GGW) samples will be collected from the borings and analyzed for TPHd and BTEX.

ACDEH requested the Port review the Work Plan to evaluate the potential disbursement of contamination through contaminant drag-down and cross-contamination during advancement of the soil bores. The Port has indicated in their response (*Port Response*), dated May 31, 2018, that Port does not believe this investigation will significantly or adversely affect subsurface conditions at the site. However, in addition to the analytes specified in the Work Plan, the Port requests the scope of analysis for soil and GGW samples include TPH as gasoline (TPHg), TPH as motor oil (TPHmo), methyl tertiary butyl ether (MTBE), and naphthalene. The Port requests the TPH analysis be conducted without silica gel cleanup (SGC).

In the Port Response, the Port noted that AECOM has been granted a variance to perform the backfilling without the presence of an Alameda County inspector, as the work is scheduled to be conducted on a weekend. As such, the Port will have a representative from its Environmental Programs and Planning department on-site in order to verify that the borings are advanced and backfilled in accordance with permit requirements.

ACDEH requests collection of at least two soil samples from each of the two soil bores for laboratory analyses. Please recover one sample from the 0- to 5-foot bgs interval and from the 5- to 10-foot interval in accordance with the California State Water Resources Control Board (SWRCB) Low Threat Underground Storage Tank Case Closure Policy (LTCP). Please include the soil screening PID readings on the soil bore logs and submit the bore logs and the analytical laboratory report(s) to ACDEH as requested below.

ACDEH is in general agreement with the work scope presented in the Work Plan and in the Port Response to the Work Plan and has no objection to Work Plan implementation provided the conditions presented by the Port and ACDEH are met. We request that you perform the work, and provide copies of the bore logs and the laboratory analyses report to ACDEH, Attention: Keith Nowell, as electronic mail attachments within 45 days of completion of drilling activities. Please provide 72-hour advance written notification to this office (electronic mail preferred to: keith.nowell@acgov.org) prior to the start of field activities.

Thank you for your cooperation. Should you have any questions regarding this correspondence or your case, please call me at (510) 567-6764 or send an electronic mail message at keith.nowell@acgov.org.

Regards,

Keith Nowell

Keith Nowell PG, CHG

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