

## Nowell, Keith, Env. Health

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**From:** Pat Hoban <pat@weber-hayes.com>  
**Sent:** Friday, February 02, 2018 11:59 AM  
**To:** Nowell, Keith, Env. Health; 'Cockerham, Kyle@Waterboards'; Roe, Dilan, Env. Health; 'Sheehan, Caryl@Waterboards'  
**Cc:** 'Jeff Lawson'; 'LYNN'; 'Craig Drizin'  
**Subject:** RE: Exxon, 3055 35th Street, Alameda County (CUF#1275/ Case#RO0271) - fieldwork notification  
**Attachments:** B-16 & SV-9 boring logs & results.pdf

Keith Nowell PG,  
CHG

Hazardous Materials Specialist  
Alameda County Environmental Health  
510.567-6764

Thank you for the return phone call Keith. Based on our conversation, it is my understanding that you are sending out an approval letter:

1. **Approving** our recommendation to:
  - Inspect all the accessible **soil gas sample probes** (all of those sampled during the 2017 investigation) for flow/water and collect soil gas samples if possible;
  - Measure depth-to-water and sample available water in the **piezometers**, and
  - Measure depth-to-water in the **monitoring and remediation wells**.
2. **Not approving** our request to properly destroy the long screened on-site monitoring/remediation wells (15-25 ft screened interval) that are tapped into the underlying, semi-confined aquifer.
3. Thank you for your assistance with regard to getting access to 3014 Bartlett Street, which as discussed provides a key downgradient monitoring point for showing attenuation since previous test results obtained in 2007-8 (i.e., SV-9/B-16). Specifically,
  - Soil Vapor (SV-9 log attached): The previous testing (2008) on this parcel contained no detectable concentrations of fuel contaminants in this probe;
  - Soil (B-16 log attached): The previous testing (2007) on this parcel contained a max benzene concentration of 41 mg/kg @12 ft, bordered by concentrations of 1.5 mg/kg above (at 10-ft) and 0.26 mg/kg below (@ 14-ft); and
  - Groundwater (B-16 log attached): The previous grab sample result (2007) on this parcel contained a benzene concentration of 7,700 ug/L; it is unclear how this groundwater sample was collected (i.e. open borehole v. cased, but not hydropunched) but it appears semi-confined groundwater was not encountered to a depth of 24-ft bgs.

We look forward to gathering this information in order to close up final confirmation data gaps and have a discussion on case closure.

All the best,  
Pat

Pat Hoban, PG  
Weber, Hayes & Associates  
(831) 722-3580



**From:** Craig Drizin [mailto:craig@weber-hayes.com]

**Sent:** Wednesday, January 31, 2018 5:11 PM

**To:** 'Nowell, Keith, Env. Health' <Keith.Nowell@acgov.org>; 'Cockerham, Kyle@Waterboards' <Kyle.Cockerham@waterboards.ca.gov>; 'Roe, Dilan, Env. Health' <Dilan.Roe@acgov.org>; 'Sheehan, Caryl@Waterboards' <Caryl.Sheehan@Waterboards.ca.gov>

**Cc:** pat@weber-hayes.com; Jeff Lawson <jsl@svlg.com>

**Subject:** Exxon, 3055 35th Street, Alameda County (CUF#1275/ Case#RO0271) - fieldwork notification

Keith and other concerned parties,

As a follow up to our voicemail to Keith, we are scheduled to conduct the following field work at the subject site on **Monday February 5** and Wednesday **February 7, 2018**:

- Inspect all the accessible soil gas sample probes (all of those sampled during the 2017 investigation) for flow/water and collect soil gas samples if possible
- Measure depth-to-water and sample available water in the piezometers, and
- Measure depth-to-water in the monitoring and remediation wells

Field protocols will be the same as the previous investigation (Spring and summer 2017). We believe this data will help answer questions raised by Alameda County and Water Board staff in the meeting notes from January 3rd and January 19th, 2018.

We also request agency approval to properly destroy the on-site monitoring and remediation wells which are improperly screened. Properly screened off-site upgradient monitoring wells MW-5 and 6 can remain along with the piezometers, though we recommend destroying MW-6 also – it is downgradient of Green Oak Builders which is being closed. MW-5 may be transferred to the Quik Stop case at 3130 35<sup>th</sup> Ave.

Please call or reply if you have any questions or comments or need additional information.

Thank you,

Craig Drizin  
Weber, Hayes and Associates  
831-722-3580

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**From:** Cockerham, Kyle@Waterboards [<mailto:Kyle.Cockerham@waterboards.ca.gov>]

**Sent:** Tuesday, January 30, 2018 2:42 PM

**To:** Roe, Dilan, Env. Health <[Dilan.Roe@acgov.org](mailto:Dilan.Roe@acgov.org)>; Nowell, Keith, Env. Health <[Keith.Nowell@acgov.org](mailto:Keith.Nowell@acgov.org)>; Sheehan, Caryl@Waterboards <[Caryl.Sheehan@Waterboards.ca.gov](mailto:Caryl.Sheehan@Waterboards.ca.gov)>

**Cc:** Craig Drizin <[craig@weber-hayes.com](mailto:craig@weber-hayes.com)>; [pat@weber-hayes.com](mailto:pat@weber-hayes.com)

**Subject:** Meeting Notes - Exxon, 3055 35th Street, Alameda County (CUF#1275/ Case#RO0271)

Hi All,

Please find attached the meeting notes from our January 3<sup>rd</sup> and January 19<sup>th</sup>, 2018 meetings.

*Kyle Cockerham, P.G.*

Engineering Geologist

Expedited Claim Account Unit

State Water Resources Control Board

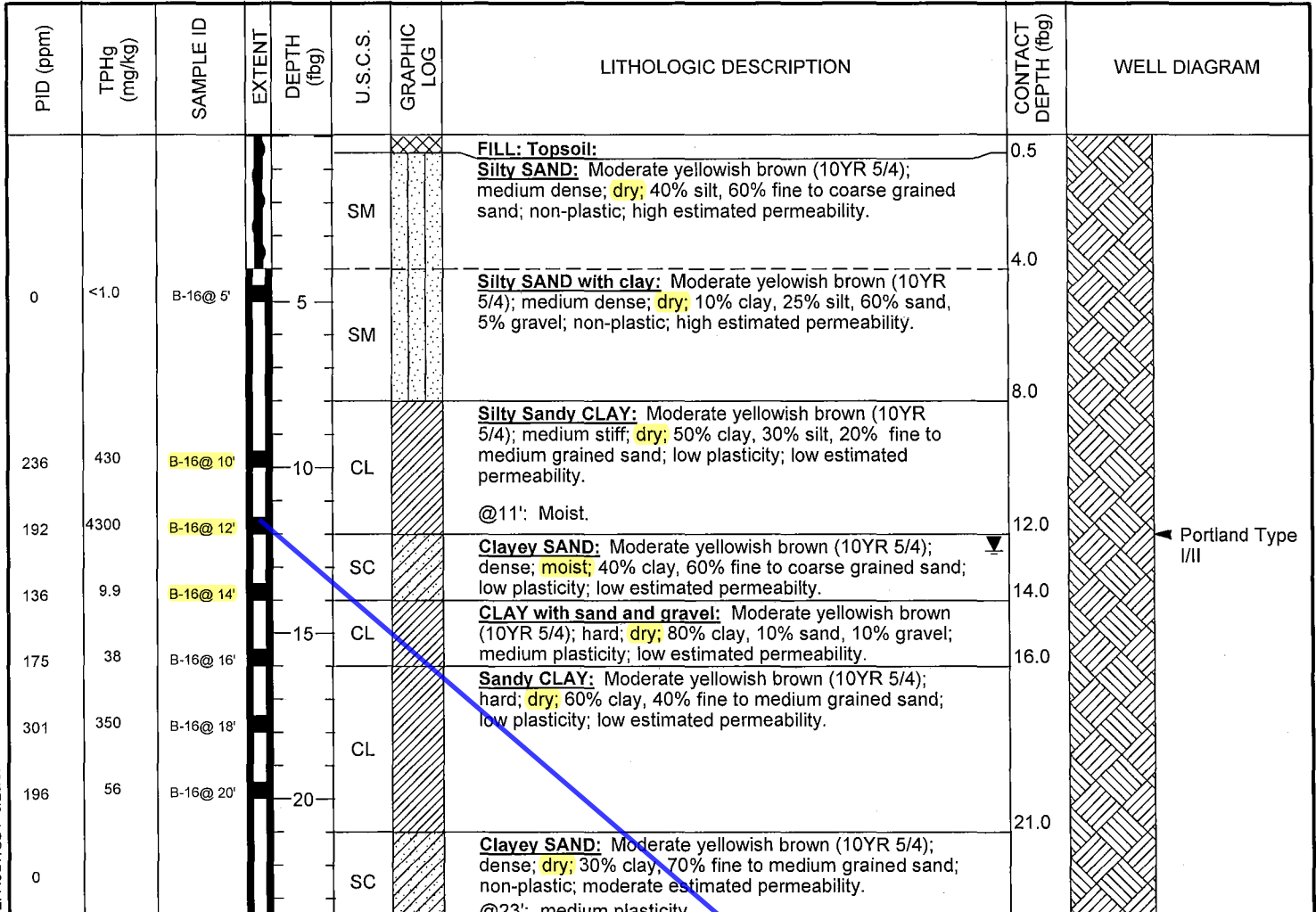
(916) 322-9686



Conestoga-Rovers & Associates, Inc.  
 5900 Hollis Street, Suite A  
 Emeryville, CA 94608  
 Telephone: 510-420-0700  
 Fax: 510-420-9170

# SOIL BORING LOG

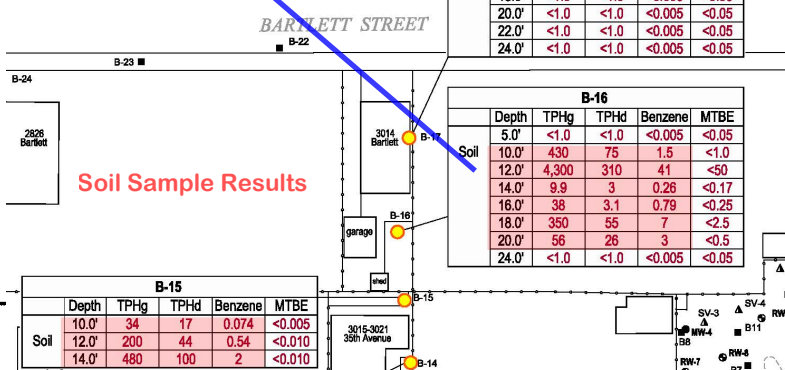
CLIENT NAME	Golden Empire Properties	BORING/WELL NAME	B-16
JOB/SITE NAME	GEP - Oakland	DRILLING STARTED	20-Jul-07
LOCATION	3055 35th Avenue, Oakland, CA	DRILLING COMPLETED	23-Jul-07
PROJECT NUMBER	130105	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	RSI Drilling, C57#802335	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push - dual tube	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2.5-inches	SCREENED INTERVALS	NA
LOGGED BY	G. Reiss	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	M. Jonas, PG# 6392	DEPTH TO WATER (Static)	12.50 fbg (23-Jul-07)
REMARKS	Grab groundwater sample collected on 7/23/07 using disposable bailer. Boring grouted on 7/23/07.		



AT 24-FT: SEMI-CONFINED  
 1ST ENCOUNTERED AQUIFER

B-17				
Depth	TPHg	TPHd	Benzene	MTBE
5.0'	<1.0	<1.0	<0.005	<0.05
10.0'	<1.0	<1.0	<0.005	<0.05
12.0'	<1.0	<1.0	<0.005	<0.05
14.0'	<1.0	<1.0	<0.005	<0.05
16.0'	<1.0	<1.0	<0.005	<0.05
18.0'	<1.0	<1.0	<0.005	<0.05
20.0'	<1.0	<1.0	<0.005	<0.05
22.0'	<1.0	<1.0	<0.005	<0.05
24.0'	<1.0	<1.0	<0.005	<0.05

B-16				
Depth	TPHg	TPHd	Benzene	MTBE
5.0'	<1.0	<1.0	<0.005	<0.05
10.0'	430	75	1.5	<1.0
12.0'	4,300	310	41	<5.0
14.0'	9.9	3	0.28	<0.17
16.0'	38	3.1	0.79	<0.25
18.0'	350	55	7	<2.5
20.0'	56	28	3	<0.5
24.0'	<1.0	<1.0	<0.005	<0.05



B-15				
Depth	TPHg	TPHd	Benzene	MTBE
10.0'	34	17	0.074	<0.005
12.0'	200	44	0.54	<0.010
14.0'	480	100	2	<0.010

WELL LOG (PID) I:\IRGOLDEN-1\GINT\GEP 130105.GPJ\_DEFAULT.GDT 8/28/07



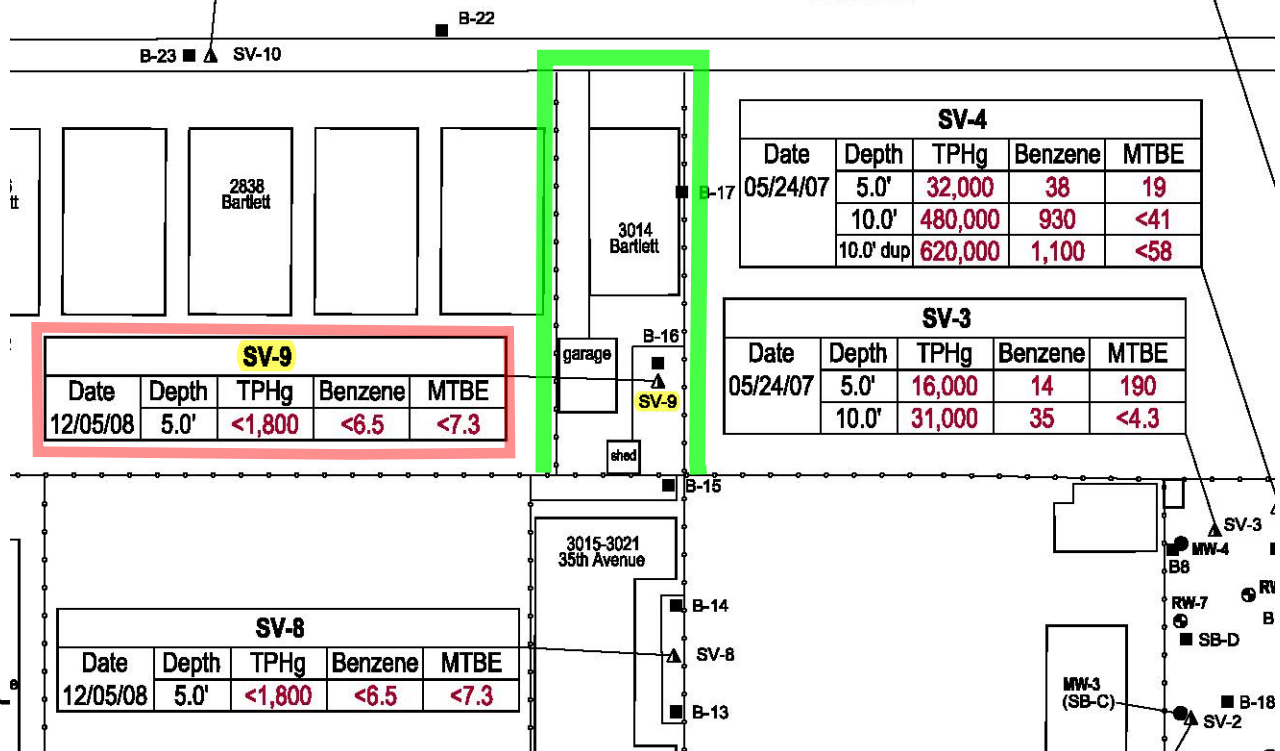
CRA, Inc.  
5900 Hollis Street, Suite A  
Emeryville, CA 94608  
Telephone: 510-420-0700  
Fax: 510-420-9170

# BORING / WELL LOG

CLIENT NAME	Golden Empire Properties	BORING/WELL NAME	SV-9
JOB/SITE NAME	GEP - Oakland	DRILLING STARTED	29-Oct-08
LOCATION	3055 35th Avenue, Oakland, CA	DRILLING COMPLETED	29-Oct-08
PROJECT NUMBER	130105	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	RSI Drilling, C-57, #802335	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.5-inches	SCREENED INTERVALS	4.85 to 5.15 fbg
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	M. Jonas, PG# 6392	DEPTH TO WATER (Static)	NA
REMARKS	Soil vapor well		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				5	ML		<p><b>Sandy SILT:</b> Dark yellowish brown (10YR 4/2); dry; 60% silt, 40% fine to medium grained sand; low plasticity; moderate estimated permeability.</p> <p>@ 2': Moderate yellowish brown (10YR 5/4); moist; 5% clay, 75% silt, 20% fine to medium grained sand.</p> <p>@ 3': 60% silt, 25% fine to coarse grained sand, 15% gravel up to 1/2" diameter.</p> <p>@ 4': 5% clay, 55% silt, 25% fine to coarse grained sand, 15% gravel up to 1/4" diameter.</p>	5.5	

## BARTLETT STREET



SV-9				
Date	Depth	TPHg	Benzene	MTBE
12/05/08	5.0'	<1,800	<6.5	<7.3

SV-4				
Date	Depth	TPHg	Benzene	MTBE
05/24/07	5.0'	32,000	38	19
	10.0'	480,000	930	<41
	10.0' dup	620,000	1,100	<58

SV-3				
Date	Depth	TPHg	Benzene	MTBE
05/24/07	5.0'	16,000	14	190
	10.0'	31,000	35	<4.3

SV-8				
Date	Depth	TPHg	Benzene	MTBE
12/05/08	5.0'	<1,800	<6.5	<7.3

WELL LOG (PID) I:\R16-CHARS\1301-1130105-GEP-BORING-LOGS.GPJ DEFAULT.GDT 1/21/08