

Wickham, Jerry, Env. Health

From: PDKing0000@aol.com
Sent: Thursday, September 04, 2014 7:07 AM
To: Wickham, Jerry, Env. Health
Subject: 475 Lesser Street Data
Attachments: 0675.R3 Figure 2 Site Plan showing TPH-G in SG.pdf; 0675.R3 Figure 3 Site Plan showing Benzene in SG.pdf; 0675.R3 Table 1.pdf

Hi Jerry,

To augment my voicemail from yesterday, attached are the soil gas summary table and figures showing the soil gas sample collection locations with TPH-G and benzene soil gas concentrations for 475 Lesser Street.

Paul

Paul H. King
Professional Geologist

P&D Environmental, Inc.
55 Santa Clara Avenue, Suite 240
Oakland, CA 94610

(510) 658-6916 telephone
(510) 834-0152 facsimile
(510) 387-6834 cellular
Paul.King@pdenviro.com

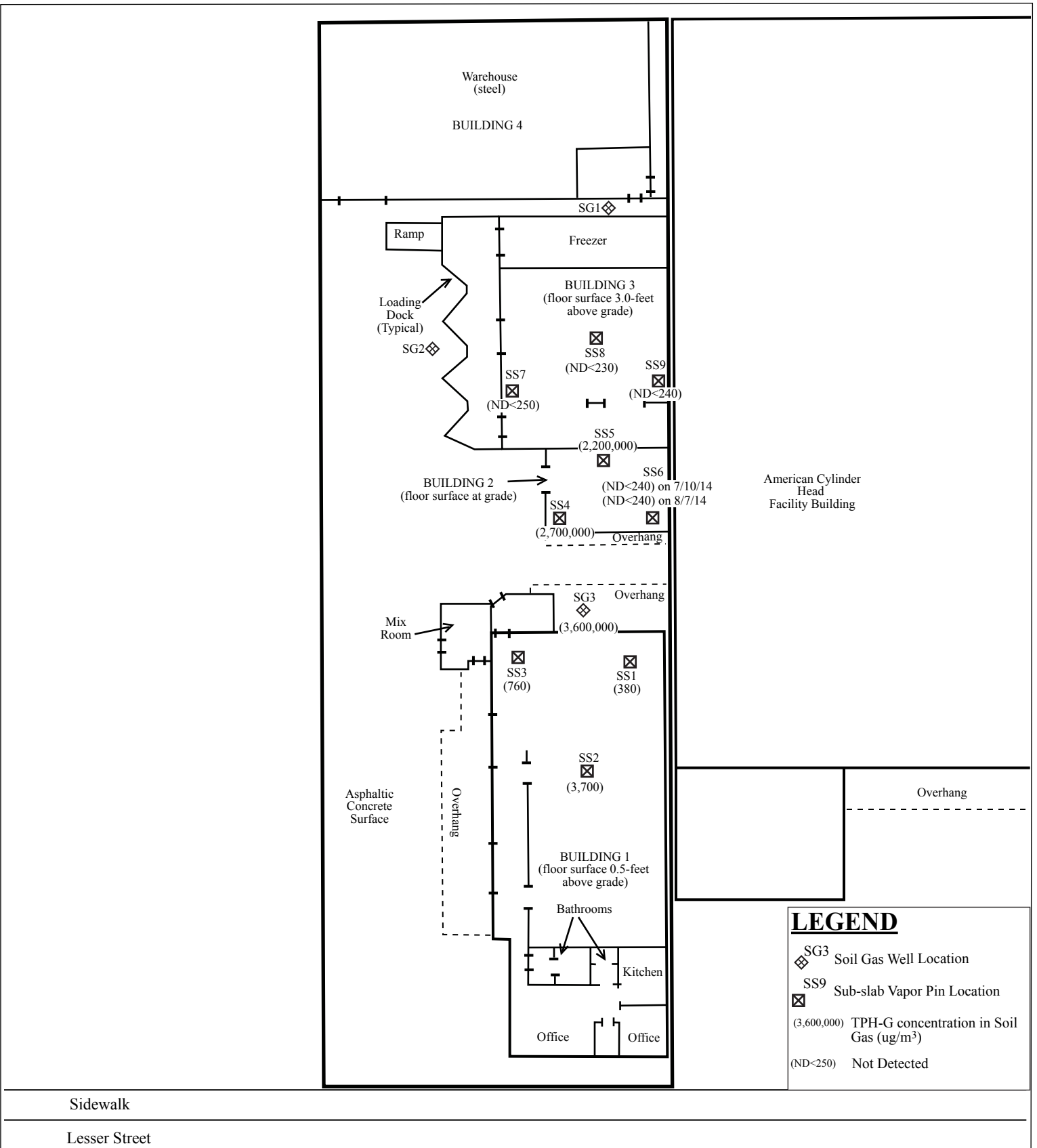
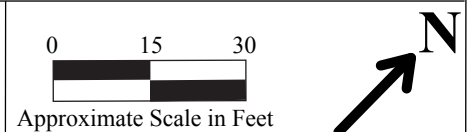


Figure 2
Site Plan Showing Vapor Pin Sub-Slab Soil Gas TPH-G Concentrations
475 Lesser Street
Oakland, California

Base Map From:
 Basics Environmental, Inc., dated April 3, 2014, and
 Google Earth, 8/28/2012

P&D Environmental, Inc.
 55 Santa Clara Ave., Suite 240
 Oakland, CA 94610



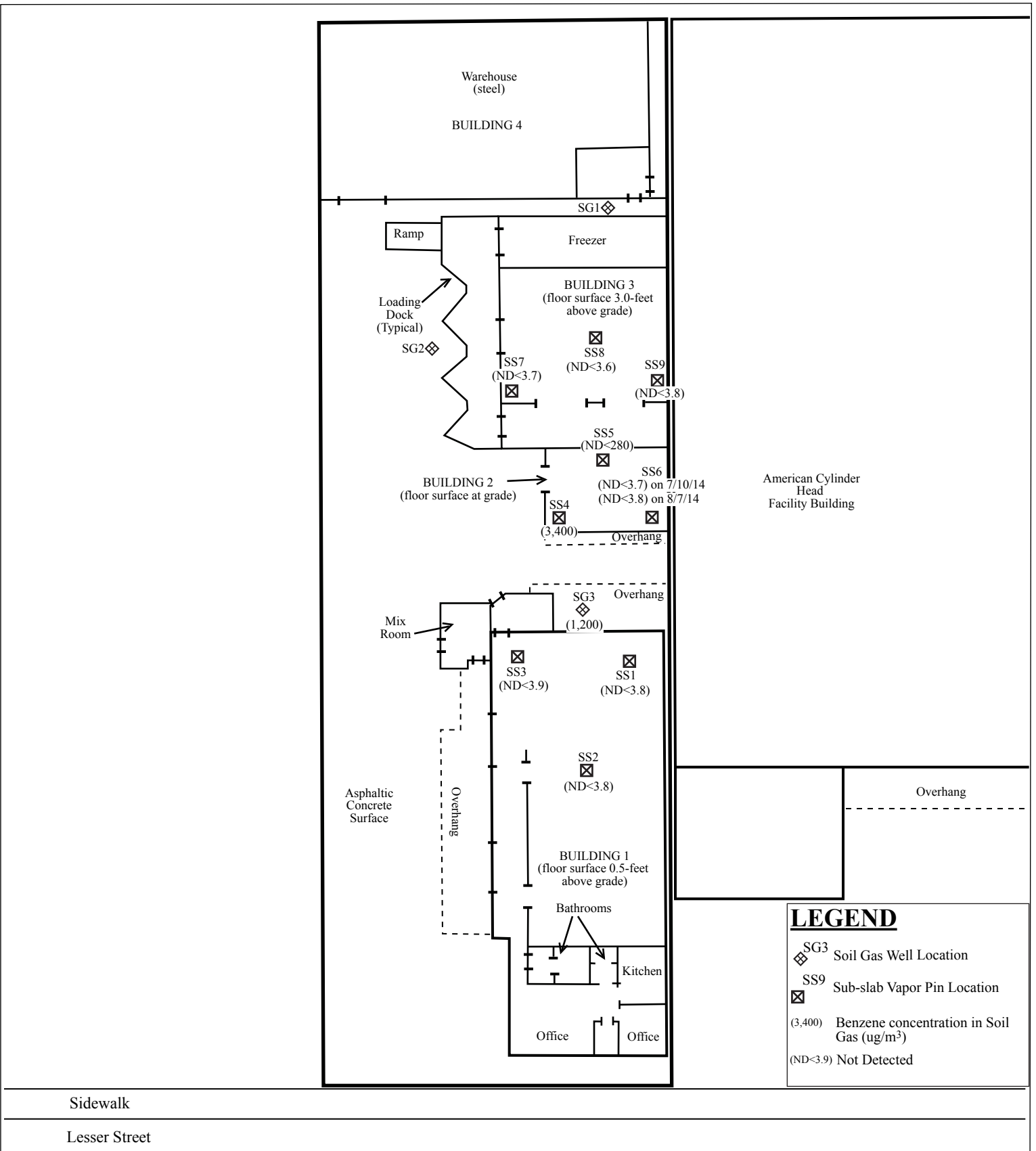


Figure 3
 Site Plan Showing Vapor Pin Sub-Slab Soil Gas Benzene Concentrations
 475 Lesser Street
 Oakland, California

Base Map From:
 Basics Environmental, Inc., dated April 3, 2014, and
 Google Earth, 8/28/2012

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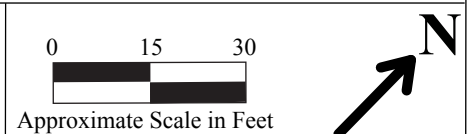


Table 1
Summary of Soil Gas Sample Analytical Results

Sample ID	Sample Date	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	m,p-Xylenes	o-Xylenes	Naphthalene	1,1-DFA	Percent Shroud	2-Propanol	Percent Shroud
SS1	7/10/2014	380	ND<4.3	ND<3.8	12	ND<5.2	12	6.0	ND<2.5	20,000, a	0.1	ND<240	0
SS1-DUP	7/10/2014	300	ND<4.3	ND<3.8	5.2	ND<5.2	13	5.9	NA	45,000, a	0.3	NA	NA
SS1-REP	7/10/2014	NA	NA	NA	NA	NA	NA	NA	ND<2.5	NA	NA	ND<240	0
SS2	7/10/2014	3,700	ND<4.3	ND<3.8	84	8.7	28	6.0	ND<2.5	2,700, a	0	ND<240	0
SS3	7/10/2014	760	ND<4.4	ND<3.9	6.3	30	120	58	ND<2.5	16	0	ND<240	0
SS4	7/10/2014	2,700,000	240	3,400	480	ND<250	ND<250	ND<250	ND<2.5	5,200	0	ND<240	0
SS5	7/10/2014	2,200,000	ND<320	ND<280	440	ND<390	ND<390	ND<390	ND<2.5	ND<960	0	ND<240	0
SS6	7/10/2014	ND<240	ND<4.2	ND<3.7	ND<4.4	ND<5.1	5.6	ND<5.1	ND<2.5	5,900, a	0	ND<240	0
SS6	8/7/2014	ND<240	ND<4.2	ND<3.8	5.6	ND<5.1	6.2	ND<5.1	ND<2.5	ND<13	0	ND<240	0
SS7	8/7/2014	ND<250	ND<4.4	ND<3.9	ND<4.6	ND<5.3	ND<5.3	ND<5.3	ND<2.5	6,900, a	0	ND<240	0
SS7-DUP	8/7/2014	ND<250	ND<4.4	ND<3.9	ND<4.6	ND<5.3	ND<5.3	ND<5.3	NA	2,300, a	0	NA	NA
SS7-REP	8/7/2014	NA	NA	NA	NA	NA	NA	NA	8.1	NA	NA	ND<240	0
SS8	8/7/2014	ND<230	ND<4.1	ND<3.6	ND<4.3	ND<4.9	ND<5.0	ND<5.0	ND<2.5	7,500, a	0	ND<240	0
SS9	8/7/2014	ND<240	ND<4.3	ND<3.8	6.5	ND<5.2	8.2	ND<5.2	ND<2.5	150	0	ND<240	0
LTCP				280		3,600			310				
ESL		2,500,000	47,000	420	1,300,000	4,900	Combined = 440,000		360	No Value	No Value	No Value	No Value
Notes:													
TPH-G = Total Petroleum Hydrocarbons as Gasoline.													
MTBE = Methyl-tert-Butyl Ether.													
1,1-DFA = 1,1-Difluoroethane.													
ND = Not Detected.													
NA = Not Analyzed.													
a = Laboratory Note: exceeds instrument calibration range.													
LTCP = Low Threat Closure Policy, developed by State Water Resources Control Board, effective August 17, 2012, from Appendix 4 Direct Measurement of Soil Gas Concentrations. Soil Gas Criteria with no bioattenuation zone.													
ESL = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated December 2013 from Table E – Soil Gas Screening Levels for Evaluation of Potential Vapor Intrusion for Commercial/Industrial Land Use.													
<i>Italicized values exceed their respective LTCP values.</i>													
Values in bold exceed their respective ESL values.													
Results and LTCP and ESL values in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).													