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By Alameda County Environmental Health at 2:06 pm, Apr 16, 2014

Solano Group P.O. Box 9026 Berkeley, CA 94709

April 15, 2014

Mr. Mark Detterman Alameda County Health Care Services Agency Department of Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Re: Albany 1-Hour Cleaners 1187 Solano Avenue Albany, California ACEH Case No. 2857

Dear Mr. Detterman:

The Solano Group has retained Pangea Environmental Services, Inc. (Pangea) for environmental consulting services for the project referenced above. On my behalf, Pangea is submitting the attached *Operation & Maintenance Plan*.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached report is true and correct to the best of my knowledge.

Sincerely,

J. Anthony Kershaw General Partner Solano Group



April 15, 2014

#### VIA ALAMEDA COUNTY FTP SITE

Mr. Mark Detterman Alameda County Environmental Health 1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor Alameda, California 94502

#### Re: Operation & Maintenance Plan

Former Albany 1-Hour Cleaners 1187 Solano Avenue Albany, CA 94706 ACEH SLIC Case RO0002857

Dear Mr. Detterman:

On behalf of the Solano Group, Pangea Environmental Services, Inc. (Pangea) has prepared this *Operation & Maintenance Plan* (O&M Plan) for the subject site. This O&M Plan has been prepared to maintain and monitor engineered controls associated with corrective action of volatile organic compounds (VOCs) at the site due to prior dry cleaner operations. The O&M Plan also includes a schedule for monitoring of soil gas and indoor air designed to continue until sufficiently meeting cleanup levels required by agency.

This O&M Plan accompanies a Site Management Plan (SMP) that specifies proper handling procedures for impacted soil and/or groundwater if encountered during future excavation or construction in the area impacted with residual VOCs. While the O&M Plan is generally no longer applicable after agency case closure, the SMP is designed to safeguard human health from exposure during future redevelopment or construction after case closure. If you have any questions or comments, please call me at (510) 435-8664.

Sincerely, **Pangea Environmental Services, Inc.** 

STALLER

Bob Clark-Riddell, P.E. Principal Engineer

Attachment: Operation & Maintenance Plan



Mr. J. Anthony Kershaw, Solano Group, P.O. Box 9026, Berkeley, California 94709
Dr. Romtin Nassiri, Solano Smile Dental (1183 Solano Avenue Tenant)
Jon Guhl, Boss Burger, LLC (1187 Solano Avenue Tenant)
Anne J. Wolfe, USPS Facilities R&A Team West (1191 Solano Avenue Tenant)
SWRCB (Geotracker)

### PANGEA Environmental Services, Inc.

#### **1.0 INTRODUCTION**

Pangea Environmental Services, Inc. (Pangea) has prepared this *Operation & Maintenance Plan* (O&M Plan) for the subject site. This O&M Plan is required by Alameda County Environmental Health (ACEH), who provides regulatory oversight for this site via SLIC Case #RO0002857, to help safeguard human health and safety with respect to potential residual volatile organic compounds (VOCs) in the site subsurface. This O&M Plan is designed to monitor and evaluate the efficacy of engineered controls associated with corrective action at the site. This O&M Plan specifically pertains to maintaining the integrity of the building slab and subslab passive ventilation system that mitigates potential intrusion of subsurface VOCs into the site buildings. The O&M Plan also includes a schedule for monitoring of soil gas and indoor air designed to continue until sufficiently meeting cleanup levels required by agency.

This O&M Plan accompanies a Site Management Plan (SMP) that specifies proper handling procedures for impacted soil and/or groundwater if encountered during future excavation or construction in the area impacted with residual volatile organic compounds.

#### 2.0 BACKGROUND

Due to a historical release from the former dry-cleaning operations at Albany 1-Hour Cleaners (Albany Cleaners), the soil and groundwater in the vicinity of the former Albany Cleaners had been impacted by VOCs, particularly tetrachloroethene (PCE) and its breakdown product 1,1,1-trichloroethene (TCE). Between 1986 and 2004, Albany Cleaners operated cleaning equipment that used chlorinated VOCs in the building unit at 1187 Solano Avenue, Albany, California. Hydrocarbon-based VOCs were used by the dry cleaners from 2004 to 2011, but no significant subsurface impact from hydrocarbon use has been identified at this site. The location of the former Albany's Cleaners is shown on Figures 1 and 2.

#### **Objective of O&M Plan**

This O&M Plan has been prepared to monitor and evaluate the efficacy of engineered controls associated with corrective action at the site. This O&M Plan specifically pertains to maintaining the integrity of the building slab and subslab passive ventilation system that mitigates potential intrusion of subsurface VOCs into the site buildings. The plan includes procedures for inspection and maintenance of the building slab and avoiding penetrations of the slab or compromising of the passive subslab ventilation system during planned or future site improvements. The O&M Plan also includes a schedule for monitoring of soil gas and indoor air designed to continue until sufficiently meeting risk-based cleanup levels.

The location of the residual VOC impact in subslab gas that requires monitoring and potential migitation is shown as the "Monitoring Area" on Figure 2. This Monitoring Area encompasses the passive subslab ventilation system that mitigates potential vapor intrusion, and includes a few locations where subslab gas concentrations merits evaluation with respect to conservative environmental screening levels (ESLs). Due to the subslab gas impact, this plan includes monitoring of indoor air to confirm that indoor air concentrations remain below applicable conservative screening levels.

#### Site Use

The subject site currently consists of a vacant, one-story commercial unit at 1187 Solano Avenue (Figure 2). The subject site represents one unit of an entire commercial block of single-story units/buildings along Solano Avenue, for which the responsible party (Solano Group) owns the north side of the block. Parcel

number 66.2801-22-1 includes 1175 Solano (pizza restaurant), 1181 Solano (medical offices), 1183 Solano (dentist office), and 1185 Solano (vacant and immediately adjacent subject site). Parcel number 66.2801-20 includes 1191 Solano (U.S. Post Office). The commercial parking lot for the site (parcel numbers 66.2801-18 and 66.2801-18) is immediately north of the site, and residential properties are north and northwest of the subject site parking lot.

#### **Tenant Improvement Plans**

Current redevelopment activity at 1187 Solano Avenue involves limited subsurface tenant improvements for a cafe/restaurant. The planned improvements include installation of the following: a shallow drain line for the sanitary sewer, a 3-ft deep grease trap, and a concrete slab. (Slab installation at much of 1187 Solano has been delayed pending completion of tenant subsurface improvements.) No subsurface work is currently planned at 1185 Solano, where existing subgrade improvements include plumbing and electrical conduits located beneath and within the passive subslab ventilation system. Plans showing the proposed restaurant layout at 1187 Solano Avenue are included in Appendix A. More detailed drawings of planned redevelopment will be provided separately to ACEH upon completion.

### 3.0 SUMMARY OF INVESTIGATION AND CLEANUP ACTIVITY

Environmental investigation commenced at the site in 2004 to evaluate potential cleaning solvent impact to the site subsurface. To date, environmental assessment activities have included soil sampling from nearly 60 borings; groundwater sampling within 7 monitoring wells and several borings; soil gas sampling from over 20 probes, and subslab and indoor air sampling in the tenant spaces of 1183, 1185, 1187, and 1191 Solano Avenue. Prior to cleamup, VOCs (primarily PCE) had been detected in soil, groundwater and soil vapor at the site at concentrations greater than applicable regulatory agency screening levels. Figures showing sampling locations, sampling results, and a cross-section illustration are described below and included in Appendix A.

The Solano Group worked with ACEH to implement corrective action at the site in conjunction with cleanup activities and site use/tenant improvements. The corrective actions identified feasible alternatives to remediate soil, soil gas, and groundwater impacts and to mitigate potential vapor intrusion risks to future site occupants.

Due to elevated VOC impact and the potential for vapor intrusion into the building, source removal was performed as an interim remedial action measure under most of the former dry cleaning unit at 1187 Solano, under most of the adjacent unit at 1185 Solano, and also underneath a portion the adjacent unit at 1191 Solano. All identified soil that exceeded residential screening levels was removed and disposed of at an offsite permitted facility. This removal involved the excavation and disposal of approximately 501 tons of soil.

To help mitigate vapor intrusion from any residual subsurface VOC impact, the excavation cavity was primarily backfilled with cement slurry. Also, a passive ventilation system was installed under the cement slurry slab area to keep soil vapor containing VOCs from moving into indoor air by blocking vapors from entering buildings and allowing vapors under the building to passively vent to the atmosphere at the rooftop. This primary passive ventilation system was installed beneath 1185 and 1187 Solano Avenue as shown on Figure 2. Additional passive ventilation is provided by subslab slotted piping installed beneath portions of 1183 and 1191 Solano Avenue. A cross-sectional illustration of the passive ventilation system and backfill is shown on Figure 3 and in Appendix A.

### **4.0 CURRENT SITE CONDITIONS**

VOCs, primarily tetrachloroethene (PCE) and trichloroethene (TCE), had been historically detected in soil, soil gas, and subslab gas primarily beneath the northern portion of the subject site and beneath the northern portion of the adjacent commercial unit at 1185 Solano Avenue (Figure 2). The highest concentrations of PCE were found immediately surrounding the old dry cleaning equipment. Current conditions in soil, soil gas/subslab gas, groundwater and indoor air are summarized below.

**Soil:** During extensive soil removal, all identified soil that exceeded residential screening levels was removed and disposed of at an offsite permitted facility. These screening levels include consideration of human direct contact to soil. Despite this extensive remediation, VOCs remain in site soil beyond the limits of excavation. Soil excavation was conducted to a maximum depth of approximately 11 ft below grade surface, with first groundwater encountered approximately 9 ft below grade surface (bgs). The excavation area included most of the former dry cleaning unit at 1187 Solano, most of the adjacent unit at 1185 Solano, and the western portion the adjacent unit at 1191 Solano. Analytical results for PCE concentrations in residual soil beyond the excavation limits are shown in Appendix A. VOC concentrations in residual soil are also summarized on Table 1.

**Soil Gas:** Soil gas refers to the air that is present in the open spaces between soil particles between the ground surface and the water table. It includes air (primarily oxygen and nitrogen, like aboveground air), water vapor, and occasionally pollutants. With groundwater present about 9 ft bgs, soil gas is present within the upper 9 ft of the site subsurface. All soil gas sampling locations, which were collected approximately 5 ft bgs, were excavated during cleanup action except for location SG-1 located in the parking lot just north of the 1187 Solano. VOC concentrations in soil gas at SG-1 prior to excavation were well below applicable environmental screening levels. VOC concentrations in residual soil gas and screening levels for soil gas are summarized on Table 2.

**Subslab Gas:** Subslab gas refers to the air (soil gas) that is present in the open spaces between soil particles and backfill material *immediately* beneath a building slab. As a soil gas, subslab gas includes air, water vapor, and occasionally pollutants. Excavation activities removed source soil material that was contributing to VOC concentrations in subslab gas. VOC concentrations in residual subslab gas are summarized on Table 2, Figure 4 (December 2013 data), and Figure 5 (March 2014 data). Recent subslab gas data indicates that all subslab gas concentrations are below applicable commercial and residential environmental screening levels, except for two isolated locations described herein. Concentrations in probe SG-1187S (1187 Solano) slightly exceeded commercial screening levels, but this location is mitigated by the passive ventilation system and expected to attenuate with time. Concentrations in SSPO-4 (1191 Solano) also slightly exceeded commercial screening levels, and this location is partially mitigated by the passive ventilation system and expected to attenuate with time.

**Indoor Air:** All historic PCE concentrations from indoor air testing are well below screening levels, indicating that subsurface impact from former dry cleaning operations do not currently pose a significant vapor intrusion risk. VOC concentrations in indoor air are summarized on Table 3. Figure 6 summarizes results from the most recent indoor air testing, which were conducted with the HVAC system turned off and 24-hr sample collection per ACEH direction. The maximum PCE concentration in indoor air from this event was 0.51 ug/m<sup>3</sup>, which is significantly below the *commercial* ESL (2.1 ug/m<sup>3</sup>) and only slightly exceeds the *residential* ESL (0.41 ug/m<sup>3</sup>).

**Groundwater:** VOCs have impacted shallow groundwater (at a depth of ten ft bgs) in the vicinity of the site but not deeper groundwater (found and sampled at 30 ft bgs). Data indicates that the shallow groundwater impacts extend west from the subject site to 1181 Solano Avenue and toward Stannage Avenue. The extent of offsite shallow groundwater contamination was recently delineated by additional grab sampling and the installation of three additional groundwater monitoring wells. A total of seven monitoring wells are used to regularly evaluate shallow groundwater quality. Groundwater quality and monitoring efforts are described in the Site Management Plan and other site reports.

**Summary:** For the purposes of this O&M Plan, the primary media of concern are subslab gas and indoor air. As described above, subslab gas concentrations are below applicable commercial and residential environmental screening levels, except for two isolated locations during select monitoring events. However, PCE concentrations from indoor air testing well below screening levels indicates that subsurface impact from former dry cleaning operations does not currently pose a significant vapor intrusion risk.

#### **5.0 APPROVED ENGINEERING CONTROLS**

In conjunction with source soil removal, engineering controls were implemented to help mitigate vapor intrusion from any residual subsurface VOC impact. The engineering controls included (1) backfilling with a cement slurry, (2) installation of a subslab passive ventilation system beneath 1185 and 1187 Solano Avenue units, and (3) installation of slotted piping beneath portions of 1183 and 1191 for additional ventilation of subsurface gas. The passive ventilation system is summarized on Figure 2. A cross-section of the passive ventilation system and cement slurry backfill is shown on Figure 3.

#### **Cement Slurry Backfill**

The excavation cavity was initially backfilled with controlled density fill (CDF), or cement slurry. The cement slurry was used in 1187 Solano and the eastern portion of 1191 Solano from 4 ft depth to the final excavation depth (maximum of 11 ft). The extent of the cement slurry within 1185 and 1187 Solano is shown on Figure 2. The cement slurry also extended approximately 6 or 7 feet under 1191 Solano within the excavation area extending beneath that unit, as shown on Figure 3 in Appendix A. For added strength, a 3-sack cement slurry was used to exceed the minimum required 2-sack slurry. The cement subcontractor used vibration equipment and the slurry extends about 1 ft above the footing bottom for added pressure along the eastern portion of the backfilling. For 1185 Solano, portions of the excavation cavity under the bathrooms and hallway was backfilled with cement slurry from the excavation depth up to the existing slab to support the building. This cement slurry helps prevent VOCs the upward migration of VOCs in soil gas from the limited residual VOC impact in soil and groundwater. Any VOCs that migrate around the cement slurry are further mitigated by the subslab passive ventilation system.

#### Subslab Passive Ventilation System at 1185 and 1187 Solano

A subslab passive ventilation system was constructed within the excavation area where shown on Figure 2. The passive ventilation system beneath 1185 and 1187 Solano consists of a gravel layer, slotted piping, and riser piping was installed under the cement slurry slab area to keep soil vapor containing VOCs from moving into indoor air by blocking vapors from entering buildings and allowing vapors under the building to passively vent to the atmosphere at the rooftop. The passive ventilation piping is routed through two 4-inch diameter solid ABS piping risers into a sealed roof turbine fan for ventilation to the atmosphere, as shown on Figure 2.

As shown on the cross section on Figure 3, gravel and slotted piping was installed from approximately 10 to 24 inches below the top of slab elevation. The gravel/piping layer was covered by 10 mil plastic sheeting. The plastic sheeting and gravel extended over the entire excavation area, except for the small cement slurry slots under the hallway, bathroom, and 1191 Solano. Cement slurry (about 6 inches in thickness) was installed over the plastic sheeting. An additional cross section of the excavation extent and backfill materials is included as Figure 20 in Appendix A.

In addition, slotted PVC ventilation piping was installed within the gravel layer at 1185 and 1187 Solano. This additional piping from each location is manifolded together within the ceiling and could be used for additional passive ventilation or contingent active ventilation. Access to the manifolded piping is provided by panels in the hallway of 1185 Solano. Another panel provides access to the four subslab gas probes installed within the gravel layer beneath 1185 and 1187 Solano.

To help minimize future disruption to the passive ventilation system and plastic sheeting, sanitary sewer piping was installed where shown on Figure 24 in Appendix A. Permeable material was placed around the shallow sanitary piping in 1187 Solano to facilitate future connections to the piping. After completion of the final plumbing for the future tenants, a 4-inch thick concrete slab will be installed over the excavation area.

#### Passive Ventilation System at 1183 and 1191 Solano

Additional passive ventilation is provided by subslab slotted piping installed beneath portions of 1183 and 1191 Solano Avenue, where shown on Figure 2. Each ventilation pipe is two-inch diameter slotted PVC. At 1191 Solano, one vent pipe was installed by cutting open the slab, excavating a trench (about 18 inches deep and 18 inches wide), installing bentonite plug and then sand beneath the slab. (A second solid 2-inch diameter PVC pipe was stubbed at the end of the vent area for potential future use, if needed).

At 1183 Solano, three vent pipes were installed by coring a hole through the footing and hand augering a 3-1/4 inch diameter boring. Following insertion of the slotted PVC piping, sand was blown into the annual and a bentonite plug was installed. This piping from each location is manifolded together within the ceiling and could be used for future passive or active ventilation. Access to the manifolded piping is provided by panels in the hallway of 1185 Solano. Each of these vent pipes are located near utility conduits where backfill material that could enhance ventilation of subslab gas beneath the units.

### 6.0 OPERATION & MAINTENANCE PROGRAM

The O&M Program includes ongoing inspection and repair of the building slab and subslab passive ventilation system to ensure that the integrity of the cap is maintained. The maintenance program requires submittal of routine reports to ACEH regarding the condition of the slab/ventilation system. The program includes sampling of subslab gas and indoor air to evaluate site conditions and the efficacy of the engineering controls.

#### Inspections

An annual site inspection will consist of visual observation of all areas currently covered with by the building slab within the Monitoring Area. The inspection form in Appendix B will be used to document the conditions at the site. The slab will be inspected for cracks, breaks, erosion, or other conditions that may warrant repair or replacement to prohibit subsurface soil or the ventilation system from becoming exposed. The inspection form will include a site plan for the inspector to mark areas where the slab is cracked or broken.

The annual inspection will also include a review of the previous annual inspection report to evaluate whether site conditions have changed between inspections. Any signiscant changes will be noted and described in the annual inspection report. Recommendations for additional maintenance or repair will be noted on the inspection form. The inspection form will be signed and dated by the inspector and included in the annual inspection report submitted to the ACEH.

#### **Slab Penetration and Subsurface Construction**

This section pertains to units at 1185 and 1187 Solano Avenue. If excavation activites are to occur within the subslab passive ventilation system in 1185 and 1187 Solano Avenue (shown on Figure 2), notify ACEH and obtain any applicable permits from the City of Albany. Contact information for the ACEH is included at the end of this O&M Plan.

Any disruption to the building slab or subslab passive ventilation system shall be repaired or reconstructed to maintain integrity of the building slab and ventilation system. The construction of the subslab passive ventilation system is described above. Notification to ACEH will allow site and repair inspection by the agency.

For all subsurface work performed in the Monitored Area, follow procedures described in the Site Management Plan. The SMP specifies proper handling procedures for impacted soil and/or groundwater if encountered during future excavation or construction in the monitoring area.

#### Sampling Program

The O&M Program includes sampling of subslab gas and indoor air to evaluate site conditions and the efficacy of the engineering controls. The sampling program is summarized on Table 4. The sampling program includes two additional sampling events for subslab gas and indoor air. Future sampling is proposed annually, if required by ACEH. All gas sampling will be performed in general accordance with guidance from CalEPA/DTSC.

### 7.0 REPORTING

A sampling report will be provided following each sampling event. The sampling report may be combined with other reports for site activity, such as a groundwater monitoring report or assessment report. If annual sampling is required, an annual report will be provided to ACEH. The annual sampling report may also be combined with the annual inspection report, if required. If special repairs are made to the slab or passive.

#### 8.0 SCHEDULE

Initial quarterly monitoring of subslab gas and indoor air is scheduled for June and September 2014. Reports will be submitted soon after sampling. If ACEH required ongoing monitoring of the engineering controls, annual monitoring is proposed for 1Q each with report submittal soon thereafter. Monitoring of engineered controls is planned until meeting cleanup levels acceptable to the agency.

#### 9.0 CONTACT INFORMATION FOR THIS O&M PLAN

Solano Group c/o J. Anthony Kershaw P.O. Box 9026 Berkeley, California 94709 510.524-8122 tkershaw@kershawinvestments.com

Pangea Environmental Services, Inc. Bob Clark-Riddell, P.E. 1710 Franklin Street, Suite 200 Oakland, CA 94612 510.836.3700 briddell@pangeaenv.com

ACEH Case Worker Mark Detterman 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502 510-567-6876 Mark.detterman@acgov.org

#### ATTACHMENTS

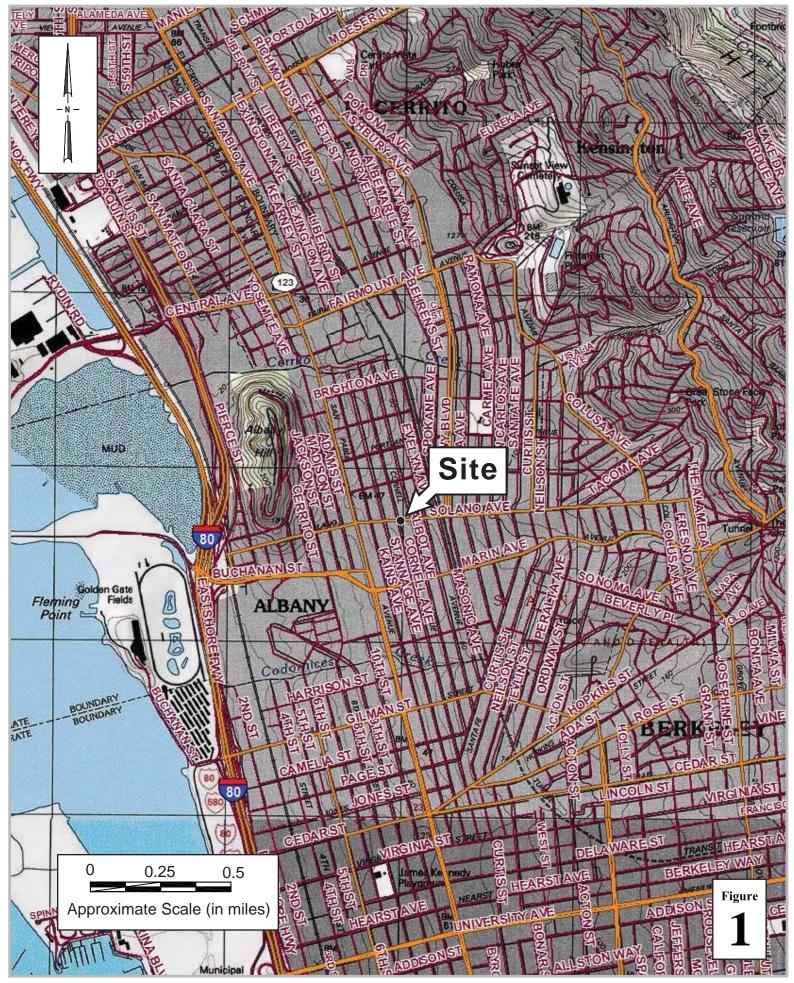
- Figure 1 Vicinity Map
- Figure 2 Monitoring Area and Subslab Passive Ventilation System
- Figure 3 Cross-Section of Subslab Passive Ventilation System and Cement Slurry Backfill
- Figure 4 PCE in Subslab Gas, December 2013
- Figure 5 PCE in Subslab Gas, March 2014
- Figure 6 PCE in Indoor Air, March 2014

Table 1 - Soil Analytical Data Beyond Excavation Limit

- Table 2 Soil Gas and Subslab Gas Analytical Data After Excavation
- Table 3 Indoor Air Analytical Data
- Table 4 Monitoring Program for O&M Plan

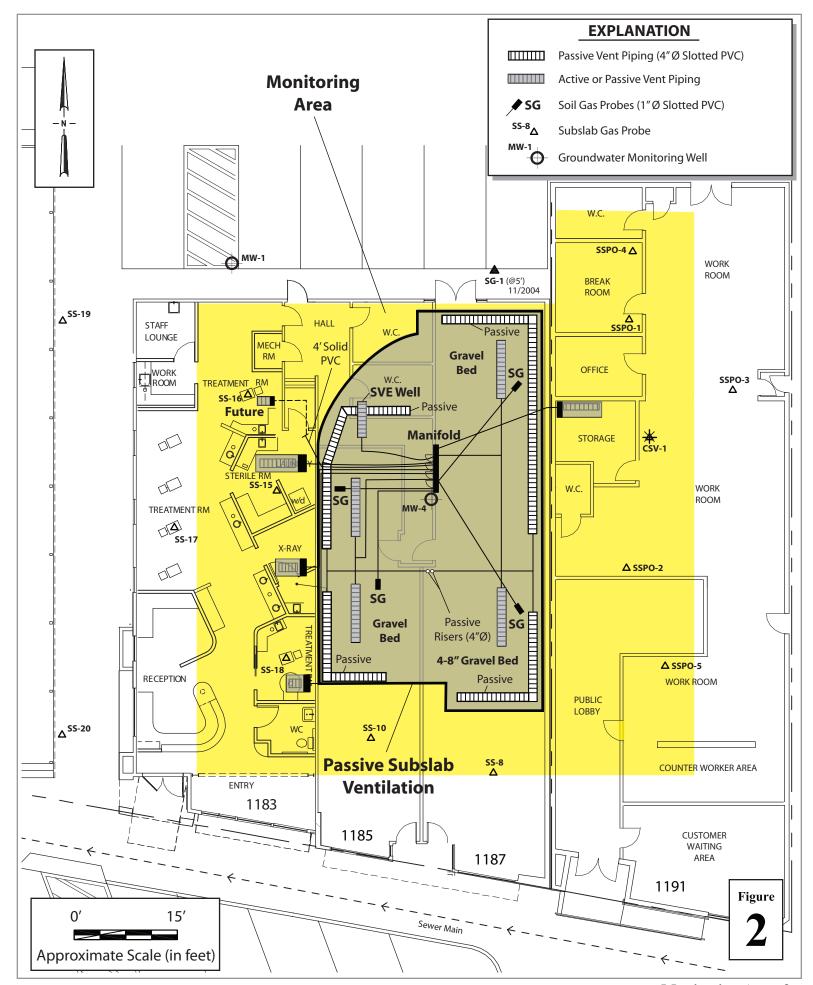
Appendix A – Other Figures

Appendix B – Inspection Form



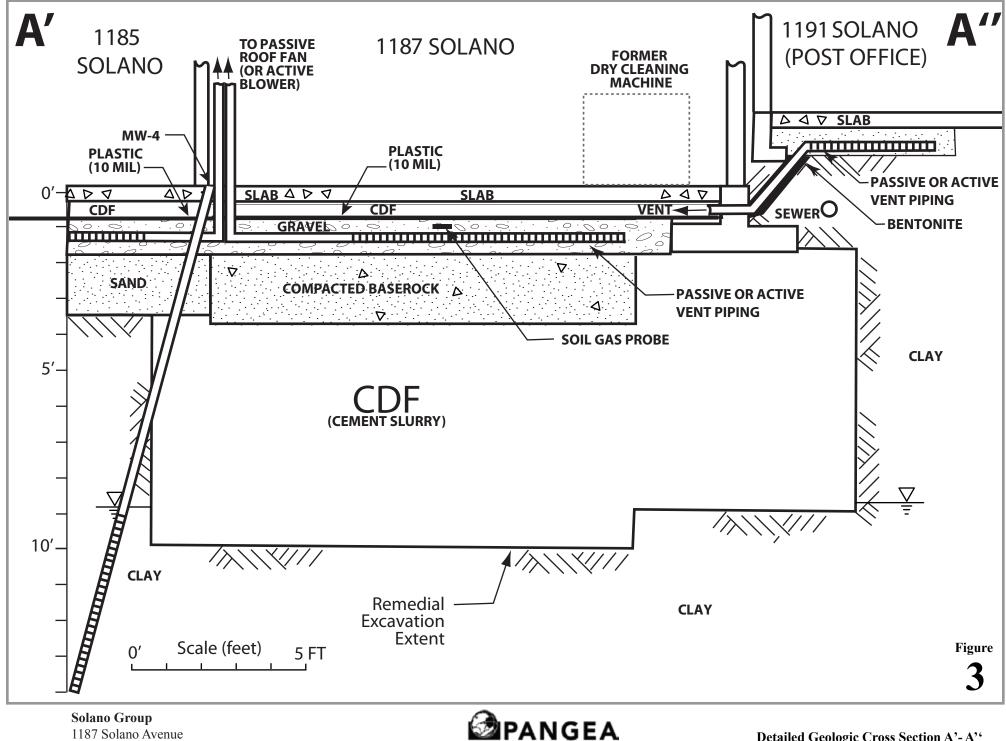


Vicinity Map

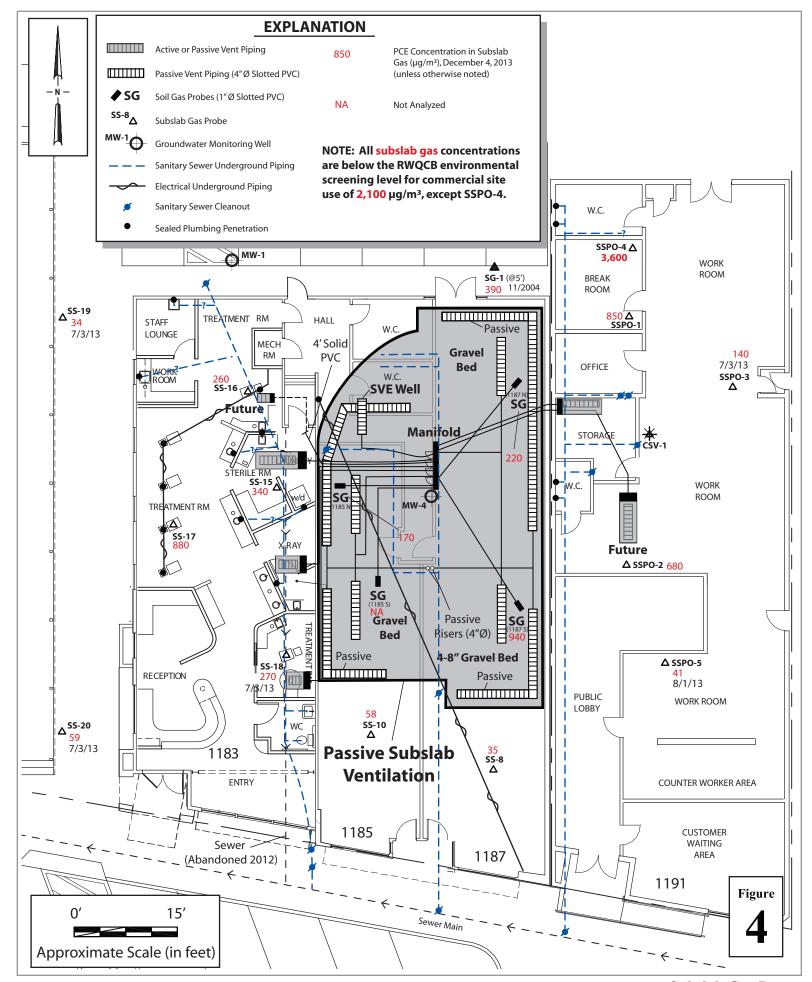




Monitoring Area & Subslab Passive Ventilation System

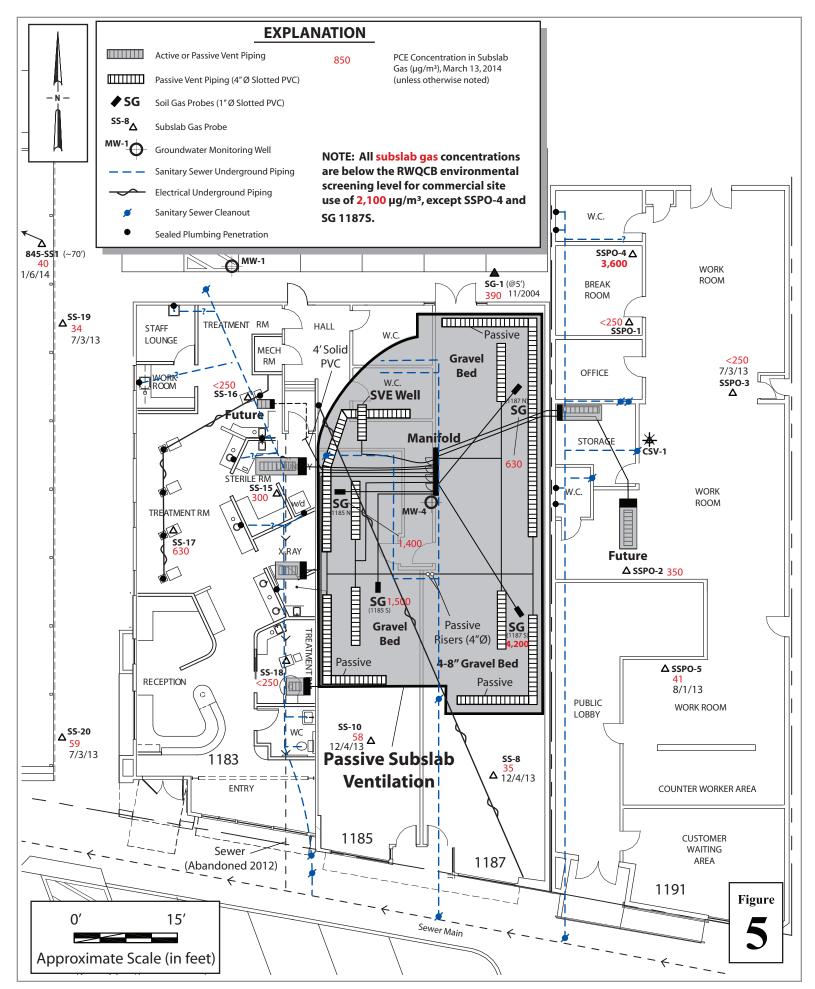


**Detailed Geologic Cross Section A'- A''** 



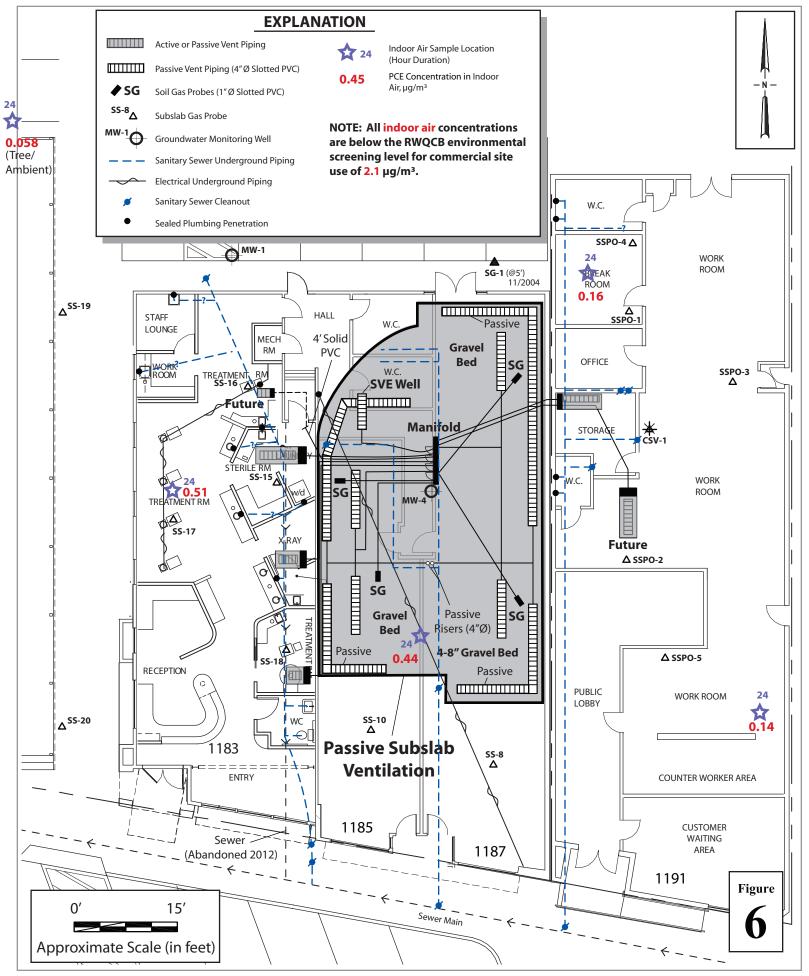


Subslab Gas Data December 4, 2013





Subslab Gas Data March 13, 2014





Indoor Air Sampling Data March 6, 2014

Table 1. Soil Analytical Data After Excavation - 1187 Solano Ave, Albany, California

Pagidantial ECT -1 11 11	dm ( <2 1 )	1 5 61 .	PCE	TCE	cis-1,2-DCE	BTEX	Other VOCs	Comments
esidential ESL shallow soil			0.55	0.46	0.19		Varies	
ommercial ESL shallow soi	l <b>dw</b> (<3 m bgs) Fin Date		0.7	0.46	0.19		Varies	
Boring/ Sample ID	Sampled	Sample Depth (ft bgs)	←		mg/Kg —		>	
builiple ib	Sumpled	(11 0g5)						
004 and 2005 Borings								
GP-1-15'	11/2/2004	15.0	0.0084	ND	ND		ND	
GP-2-5'	11/2/2004	5.0	0.190	0.0022	ND		ND	
GP-2-10'	11/2/2004	10.0	0.026	ND	ND		ND	
GP-2-15'	11/2/2004	15.0	ND	ND	ND		ND	
GP-2-20'	11/2/2004	20.0	ND	ND	ND		ND	
GP-3-15'	11/2/2004	15.0	ND	ND	ND		ND	
GP-3-20'	11/2/2004	20.0	ND	ND	ND		ND	
GPA-1-10'	4/20/2005	10.0	0.0071	ND	ND		ND	
GPA-1-20'	4/20/2005	20.0	ND	ND	ND		ND	
GPA-1-30'	4/20/2005	30.0	ND	ND	ND		ND	
GPA-2-10'	4/20/2005	10.0	0.0066	ND	ND		ND	
GPA-2-20'	4/20/2005	20.0	ND	ND	ND		ND	
GPA-2-30'	4/20/2005	30.0	ND	ND	ND		ND	
GPA-3-10'	4/20/2005	10.0	ND	ND	ND		ND	
GPA-3-20'	4/20/2005	20.0	ND	ND	ND		ND	
GPA-3-30'	4/20/2005	30.0	ND	ND	ND		ND	
GPA-4-10'	4/20/2005	10.0	0.310	ND	ND		ND	
GPA-4-20'	4/20/2005	20.0	ND	ND	ND		ND	
GPA-4-30'	4/20/2005	30.0	ND	ND	ND		ND	
GPA-5-10'	4/20/2005	10.0	0.012	ND	ND		ND	
GPA-5-20'	4/20/2005	20.0	ND	ND	ND		ND	
GPA-5-30'	4/20/2005	30.0	ND	ND	ND		ND	
01A-5-50	4/20/2005	50.0	ND	ND	ND		ND	
anuary 2013 Borings								
B-1-3.5	1/10/2013	3.5-4.0	0.011	< 0.005	< 0.005		ND	
B-1-5.5			0.011	0.0051	<0.005			
	1/10/2013	5.0-5.5					ND	
B-6-12*	1/18/2013	11.5-12.0	0.0062	< 0.005	<0.005		ND	
B-7-12	1/18/2013	11.5-12.0	0.0061	< 0.005	<0.005		ND	1105 0 1
B-9-3	1/10/2013	2.5-3.0	0.086	< 0.005	< 0.005		ND	1185 Solar
B-11-8	1/18/2013	7.5-8.0 <sup>+</sup>	< 0.005	< 0.005	<0.005		ND	1191 Solar
B-11-12	1/18/2013	11.5-12.0*	< 0.005	< 0.005	< 0.005		ND	1191 Solar
B-12-4	1/18/2013	3.5-4.0+	< 0.005	< 0.005	< 0.005		ND	1191 Solar
B-12-8	1/18/2013	7.5-8.0+	0.011	< 0.005	< 0.005		ND	1191 Solar
B-12-12	1/18/2013	11.5-12.0+	< 0.005	< 0.005	< 0.005		ND	1191 Solar
B-13-8	1/18/2013	7.5-8.0+	< 0.005	< 0.005	< 0.005		ND	1191 Solar
B-13-12	1/18/2013	11.5-12.0+	< 0.005	< 0.005	< 0.005		ND	1191 Solan
B-14-8	1/18/2013	7.5-8.0 <sup>+</sup>	< 0.005	< 0.005	< 0.005		ND	1191 Solan
B-15-8	1/18/2013	7.5-8.0+	< 0.005	< 0.005	< 0.005		ND	1191 Solan
ebruary 2013 Borings (A								
A-4-9*	2/8/2013	5.5	0.011	0.005	< 0.005		ND	
	-							
ebruary and March 2013								
EX-SE-5	2/15/2013	5.0	0.012	< 0.005	<0.005		ND	
EX-SE2-6	2/18/2013	6.0	< 0.005	< 0.005	<0.005		ND	
EX-E-7	2/18/2013	7.0	0.055	< 0.005	<0.005		ND	
EX-N-8	2/22/2013	8.0	< 0.005	< 0.005	< 0.005		ND	
EX-F1-11	3/5/2013	11.0	0.083	< 0.005	< 0.005		ND	
EX-F2-7	3/5/2013	7.0	0.025	< 0.005	< 0.005		ND	
SW-1-4	3/5/2013	4.0	0.021	< 0.005	< 0.005		ND	
EX-F3-8	3/12/2013	8.0	0.36	< 0.005	< 0.005		ND	
EX-F4-6	3/6/2013	6.0	0.20	< 0.005	< 0.005		ND	
EX-F5-9	3/7/2013	9.0	0.0077	< 0.005	< 0.005		ND	
EX-F6-12	3/7/2013	12.0	0.0066	< 0.005	< 0.005		ND	
EX-F7-4	3/8/2013	4.0	0.15	< 0.005	< 0.005		ND	
SW-2-4	3/11/2013	4.0	0.16	< 0.005	< 0.005		ND	
SW-3-4	3/11/2013	4.0	0.10	< 0.005	< 0.005		ND	
EX-F8-11	3/13/2013	11.0	0.059	< 0.005	< 0.005		ND	
EX-F9-11	3/14/2013	11.0	0.026	< 0.005	< 0.005		ND	
SW-4-5	3/14/2013	5.0	0.016	< 0.005	< 0.005		ND	
SW-5-2	3/14/2013	2.0	0.12	< 0.005	< 0.005		ND	
SW-6-2	3/14/2013	2.0	0.12	<0.005	<0.005		ND	
	3/14/2013	5.0	0.047	<0.005	<0.005		ND	
SW-7-5								
SW-7-5 SW-8-1	3/16/2013	1.0	0.12	<0.005	<0.005		IND 1	
SW-8-1	3/16/2013 3/16/2013	1.0	0.12	<0.005 <0.005	<0.005 <0.005		ND ND	
	3/16/2013 3/16/2013 3/16/2013	1.0 1.0 1.0	0.12 0.096 0.34	<0.005 <0.005 <0.005	<0.005 <0.005 <0.005		ND ND ND	

Table 1, Soil Analytical Data	After Excavation -	1187 Solano Ave	Albany California

Residential ESL shallow			PCE	TCE	cis-1,2-DCE	BTEX	Other VOCs	Comment
	soil <b>dw</b> (<3 m bgs) Final	ESL:	0.55	0.46	0.19		Varies	
Commercial ESL shallow	soil <b>dw</b> (<3 m bgs) Fina	ESL:	0.7	0.46	0.19		Varies	
Boring/	Date	Sample Depth						
Sample ID	Sampled	(ft bgs)	←		mg/Kg —		$\longrightarrow$	
larch and April Borin								
B-19-5	3/20/2013	4.5-5.0	0.013	< 0.005	< 0.005		ND	
B-20-5	3/20/2013	4.5-5.0	0.0085	< 0.005	< 0.005		ND	
B-21-5	4/25/2013	4.5-5.0	< 0.005	< 0.005	< 0.005		ND	
B-22-5	4/25/2013	4.5-5.0	< 0.005	< 0.005	< 0.005		ND	
B-23-4.5	4/25/2013	4.0-4.5	< 0.005	< 0.005	<0.005		ND	
B-23-8.5 B-25-2.5	4/25/2013	8.0-8.5	< 0.005	< 0.005	< 0.005		ND	
B-25-2.5 B-25-5	4/25/2013	2.0-2.5	0.0071	< 0.005	<0.005		ND	
	4/25/2013	4.5-5.0	0.0066	< 0.005	<0.005		ND	
B-26-2.5 B-26-5	4/25/2013	2.0-2.5	0.018	< 0.005	<0.005		ND	
	4/25/2013	4.5-5.0	0.0050	< 0.005	<0.005		ND	
B-27-3 B-27-5	4/25/2013	2.5-3.0	<0.005	< 0.005	<0.005		ND	
	4/25/2013	4.5-5.0	<0.005	< 0.005	<0.005		ND	
B-28-2.5 B-28-5	4/25/2013	2.0-2.5	<0.005	<0.005	<0.005		ND	
	4/25/2013	4.5-5.0	<0.005	< 0.005	<0.005		ND	
B-29-2.5 B-29-5	4/25/2013	2.0-2.5	<0.005	<0.005	<0.005		ND	
	4/25/2013	4.5-5.0	<0.005	< 0.005	<0.005		ND	
B-30-5	4/25/2013	4.5-5.0	< 0.005	< 0.005	< 0.005		ND	
/ay 2013 Boring (Ang	led Under Bathroom	at 1185 Solano)						
A-8-5	5/24/2013	2.0	0.0093	< 0.005	< 0.005		ND	
uly 2012 Vortical Bor	ing (1195 Solano)							
luly 2013 Vertical Bor B-31-5	7/2/2013	4.5-5.0	< 0.005	< 0.005	< 0.005	< 0.005	ND	
B-31-5 B-32-5	7/2/2013		<0.005	< 0.005	<0.005	< 0.005	ND	
B-32-5 B-34-5	7/2/2013	4.5-5.0 4.5-5.0	<0.005	< 0.005	<0.005	< 0.005	ND	
B-34-3	//2/2013	4.5-5.0	<0.005	<0.005	<0.005	<0.005	ND	
lulv 2013 Boring (And	led Under Wall onto	185 Solano)						
A-9-12	7/2/2013	4.5	< 0.005	< 0.005	< 0.005	< 0.005	ND	
A-11-8	7/3/2013	5.5	< 0.005	< 0.005	< 0.005		ND	
A-12-8	7/3/2013	4.0	< 0.005	< 0.005	< 0.005		ND	
A-13-8	7/3/2013	4.0	< 0.005	< 0.005	< 0.005		ND	
			<0.005	< 0.005	< 0.005		ND	
August and Septembe	er 2013 Excavation Bo	undary						
August and September F-1-2	er 2013 Excavation Bc 8/7/2013	undary 2.0	0.0075	<0.005	<0.005		ND	
F-1-2 F-2-2.5	er 2013 Excavation Bo 8/7/2013 8/7/2013	2.0 2.5	0.0075 0.014	<0.005 <0.005	<0.005 <0.005		ND ND	
August and September F-1-2 F-2-2.5 SW-N1-2	er 2013 Excavation Bo 8/7/2013 8/7/2013 8/15/2013	2.0 2.5 2.0	0.0075 0.014 0.016	<0.005 <0.005 <0.005	<0.005 <0.005 <0.005		ND ND ND	
August and Septembe F-1-2 F-2-2.5 SW-N1-2 SW-N2-1	er 2013 Excavation Bo 8/7/2013 8/7/2013 8/15/2013 8/15/2013	2.0 2.5 2.0 1.0	0.0075 0.014 0.016 0.017	<0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005		ND ND ND ND	
August and September F-1-2 F-2-2.5 SW-N1-2	er 2013 Excavation Bo 8/7/2013 8/7/2013 8/15/2013	2.0 2.5 2.0	0.0075 0.014 0.016	<0.005 <0.005 <0.005	<0.005 <0.005 <0.005		ND ND ND	
August and September F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1	er 2013 Excavation Bc 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013	2.0 2.5 2.0 1.0 1.0 3.0	0.0075 0.014 0.016 0.017 0.015 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005	  	ND ND ND ND ND ND	
August and Septembe F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1 F-3-3	87/2013 Excavation Bc 87/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013	2.0 2.5 2.0 1.0 1.0	0.0075 0.014 0.016 0.017 0.015	<0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005	  	ND ND ND ND	
F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1 F-3-3 F-4-3	er 2013 Excavation Bc 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013	2.0 2.5 2.0 1.0 1.0 3.0 3.0	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	  	ND ND ND ND ND ND	
F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1 F-3-3 F-4-3 F-5-2.5	er 2013 Excavation Bc 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/19/2013	2.0 2.5 2.0 1.0 1.0 3.0 3.0 2.5 1.0	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	    	ND ND ND ND ND ND ND	
August and September F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 F-3-3 F-4-3 F-4-3 F-5-2.5 SW-W2-1 F-5-3	er 2013 Excavation Bc 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/19/2013 8/21/2013 8/21/2013	2.0 2.5 2.0 1.0 1.0 3.0 3.0 2.5 1.0 3.0	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 <0.005 0.015	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005		ND ND ND ND ND ND ND ND	
F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1 F-3-3 F-4-3 F-5-2.5 SW-W2-1	er 2013 Excavation Bc 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/19/2013 8/21/2013	2.0 2.5 2.0 1.0 1.0 3.0 3.0 2.5 1.0	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 <0.005 0.015 0.036	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	      	ND ND ND ND ND ND ND ND	
August and September F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1 F-3-3 F-4-3 F-5-2.5 SW-W2-1 F-5-3 F-6-3	er 2013 Excavation Bc 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/21/2013 8/21/2013 8/21/2013	2.0 2.5 2.0 1.0 1.0 3.0 2.5 1.0 3.0 3.0 3.0 3.0	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 0.015 0.036 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005		ND ND ND ND ND ND ND ND ND ND	
F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1 F-3-3 F-4-3 F-5-2.5 SW-W2-1 F-5-3 F-6-3 F-6-3 F-7-2.5	Pr 2013 Excavation Bc 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/19/2013 8/21/2013 8/21/2013 8/21/2013 8/29/2013	2.0 2.5 2.0 1.0 3.0 3.0 2.5 1.0 3.0 3.0 2.5	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 0.015 0.036 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005		ND ND ND ND ND ND ND ND ND ND	
August and September F-1-2 F-2-2.5 SW-N1-2 SW-W-1 F-3-3 F-4-3 F-5-2.5 SW-W2-1 F-5-3 F-6-3 F-6-3 F-7-2.5 F-8-4 SW-SW-2.5	er 2013 Excavation Bo 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/19/2013 8/21/2013 8/21/2013 8/21/2013 8/29/2013 8/29/2013 8/29/2013	2.0 2.5 2.0 1.0 1.0 3.0 2.5 1.0 3.0 2.5 4.0 2.5	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 <0.005 0.015 0.036 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005		ND ND ND ND ND ND ND ND ND ND ND ND	
August and September F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1 F-3-3 F-4-3 F-5-2.5 SW-W2-1 F-5-3 F-6-3 F-6-3 F-7-2.5 F-8-4 SW-SW-2.5 SW-W-2.5	er 2013 Excavation Bo 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/19/2013 8/21/2013 8/21/2013 8/21/2013 8/29/2013 8/29/2013	undary 2.0 2.5 2.0 1.0 1.0 3.0 2.5 1.0 3.0 2.5 4.0 2.5 2.5	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 <0.005 0.015 0.036 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005		ND ND ND ND ND ND ND ND ND ND ND ND ND	
August and September F-1-2 F-2-2.5 SW-N1-2 SW-W-1 F-3-3 F-4-3 F-5-2.5 SW-W2-1 F-5-3 F-6-3 F-6-3 F-7-2.5 F-8-4 SW-SW-2.5	er 2013 Excavation Bo 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/19/2013 8/21/2013 8/21/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013	2.0 2.5 2.0 1.0 1.0 3.0 2.5 1.0 3.0 2.5 4.0 2.5	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005		ND ND ND ND ND ND ND ND ND ND ND ND	
August and September F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1 F-3-3 F-4-3 F-5-2.5 SW-W2-1 F-5-3 F-6-3 F-7-2.5 F-8-4 SW-SW-2.5 SW-W-2.5 SW-W-2.5 F-9-3	er 2013 Excavation Bo 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/19/2013 8/21/2013 8/21/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013	undary 2.0 2.5 2.0 1.0 1.0 3.0 2.5 1.0 3.0 2.5 4.0 2.5 2.5 2.5 2.5 3.0	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005		ND ND ND ND ND ND ND ND ND ND ND ND ND N	
August and September F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1 F-3-3 F-4-3 F-5-2.5 SW-W2-1 F-5-3 F-6-3 F-6-3 F-7-2.5 F-8-4 SW-SW-2.5 SW-W2-2.5 SW-NW-2.5 F-9-3 F-10-3	Pr 2013 Excavation Bco 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/19/2013 8/21/2013 8/21/2013 8/21/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013 9/5/2013	undary 2.0 2.5 2.0 1.0 1.0 3.0 3.0 2.5 1.0 3.0 3.0 2.5 4.0 2.5 2.5 2.5 3.0 3.0	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	      <0.005 <0.005	ND ND ND ND ND ND ND ND ND ND ND ND ND N	
August and September F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1 F-3-3 F-4-3 F-5-2.5 SW-W2-1 F-5-3 F-6-3 F-7-2.5 F-8-4 SW-SW-2.5 SW-W2-2.5 SW-W2-2.5 F-9-3 F-10-3 F-11-2	Pr 2013 Excavation Bco 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/21/2013 8/21/2013 8/21/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013 9/5/2013 9/5/2013	undary 2.0 2.5 2.0 1.0 1.0 3.0 3.0 2.5 1.0 3.0 3.0 2.5 4.0 2.5 2.5 2.5 2.5 3.0 3.0 3.0 2.5 4.0 2.5 2.5 3.0 3.0 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	         -	ND ND ND ND ND ND ND ND ND ND ND ND ND N	
August and September F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1 F-3-3 F-4-3 F-5-2.5 SW-W2-1 F-5-3 F-6-3 F-7-2.5 F-8-4 SW-SW-2.5 SW-NV-2.5 SW-NV-2.5 F-9-3 F-10-3 F-11-2 F-12-2.5	Pr 2013 Excavation Bo 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/21/2013 8/21/2013 8/21/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013 9/5/2013 9/5/2013 9/5/2013	undary 2.0 2.5 2.0 1.0 3.0 3.0 2.5 1.0 3.0 3.0 2.5 4.0 2.5 2.5 3.0 3.0 2.5 3.0 3.0 2.5 3.0 3.0 2.5 3.0 3.0 2.5 3.0 3.0 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 3.0 2.5 3.0 3.0 2.5 3.0 3.0 2.5 3.0 3.0 3.0 2.5 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	         -	ND ND ND ND ND ND ND ND ND ND ND ND ND N	
August and September F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1 F-3-3 F-4-3 F-5-2.5 SW-W2-1 F-5-3 F-6-3 F-7-2.5 F-8-4 SW-SW-2.5 SW-NW-2.5 SW-NW-2.5 SW-NW-2.5 F-9-3 F-10-3 F-11-2 F-12-2.5 F-13-2.5	Pr 2013 Excavation Bro 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/19/2013 8/21/2013 8/21/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013 9/5/2013 9/5/2013 9/5/2013 9/5/2013	undary 2.0 2.5 2.0 1.0 1.0 3.0 2.5 1.0 3.0 2.5 4.0 2.5 2.5 2.5 3.0 3.0 2.0 2.5 2.5 2.5	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	         -	ND ND ND ND ND ND ND ND ND ND ND ND ND N	
August and September F-1-2 F-2-2.5 SW-N1-2 SW-N2-1 SW-W-1 F-3-3 F-4-3 F-5-2.5 SW-W2-1 F-5-3 F-6-3 F-7-2.5 F-8-4 SW-SW-2.5 SW-NW-2.5 SW-NW-2.5 SW-NW-2.5 SW-NW-2.5 F-9-3 F-10-3 F-11-2 F-12-2.5 F-13-2.5 F-13-2.5 F-14-2.5	Pr 2013 Excavation Bo 8/7/2013 8/7/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/15/2013 8/21/2013 8/21/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013 8/29/2013 9/5/2013 9/5/2013 9/5/2013 9/5/2013 9/5/2013	undary 2.0 2.5 2.0 1.0 3.0 3.0 2.5 1.0 3.0 2.5 4.0 2.5 2.5 2.5 3.0 3.0 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.0075 0.014 0.016 0.017 0.015 <0.005 <0.005 <0.005 0.015 0.036 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 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Table 1. Soil Analytical Data After Excavation - 1187 Solano Ave, Albany, California

			PCE	TCE	cis-1,2-DCE	BTEX	Other VOCs	Comments
Residential ESL shallow so	0.55	0.46	0.19					
Commercial ESL shallow soil dw (<3 m bgs) Final ESL:			0.7	0.46	0.19			
Boring/	Date	Sample Depth						
Sample ID	Sampled	(ft bgs)	<		mg/Kg —		>	
August and September	2013 Borings							
HA-1-3	8/29/2013	3.0	< 0.005	< 0.005	< 0.005		ND	
HA-1-5	8/29/2013	5.0	< 0.005	< 0.005	< 0.005		ND	
HA-2-3	8/29/2013	3.0	< 0.005	< 0.005	< 0.005		ND	
HA-2-5	8/29/2013	5.0	< 0.005	< 0.005	< 0.005		ND	
HA-3-NW-3	8/29/2013	3.0	< 0.005	< 0.005	< 0.005		ND	
SS-1183-1	8/29/2013	1.0	< 0.005	< 0.005	< 0.005		ND	
HA-2D-1ss	8/30/2013	1.0	< 0.005	< 0.005	< 0.005		ND	
1183 North-2	9/2/2013	2.0	< 0.005	< 0.005	< 0.005		ND	
1183 Cental N-4	9/2/2013	4.0	< 0.005	< 0.005	< 0.005		ND	
1183 Cental N-6	9/2/2013	6.0	< 0.005	< 0.005	< 0.005		ND	
anuary 2014 Borings								
B-36-5	1/16/2014	5.0	< 0.005	< 0.005	< 0.005		ND	
B-39-6	1/17/2014	6.0	< 0.005	< 0.005	< 0.005		ND	
Arch 2014 Borings								
B-45-7	3/11/2014	7.0	< 0.020	< 0.020	< 0.020	< 0.020	а	
MW-5-5	3/11/2014	5.0	< 0.005	< 0.005	< 0.005		ND	
MW-6-5	3/11/2014	5.0	< 0.005	< 0.005	< 0.005		ND	

#### Explanation:

mg/Kg = milligrams per Kilogram ft bgs = Depth below ground surface (bgs) in feet.

< n  $\,=\,$  Chemical not present at a concentration in excess of detection limit shown.

\* = Sample location overexcavated.

\* = Slab elevation is about 2.5 ft higher in Post Office building than adjacent units at 1185 and 1187 Solano.

-- = Not analyzed or not available.

ESL = Environmental Screening Level for Shallow/Deep Soil with Residential and Commercial/Industrial Land Use, Groundwater is/is not a current or potential source of drinking water. (Table A/Table B/Table C/Table D/Table K-1/Table K-2).

ESL established by the SFBRWQCB, Interim Final - November 2007 and amended in May 2013.

**non-dw** = groundwater is not a current or potential source of drinking water.

**dw** = groundwater is a current or potential source of drinking water.

Other VOCs = Volatile Organic Compounds besides PCE, TCE and cis-1,2-DCA by EPA Method 8260 (Report list Method 8010).

BTEX = Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8260.

TCE = Trichloroethane by EPA Method 8010.

PCE = Tetrachloroethene by EPA Method 8010.

cis-1,2-DCE = cis-1,2 - Dichloroethene

\_\_\_\_\_

Bold concentrations exceed residential ESL where groundwater is a current or potential source of drinking water.

ND = Not Detected above laboratory reporting limits.

#### Notes:

a: 0.17 n-butyl benzene, 0.072 sec-butyl benzene, 0.023 tert-butyl benzene, 0.089 isopropyl benzene, 0.062 4-isopropyl toluene, 0.23 n-propyl benzene

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			Teorething	Trienton PCE)	Cike 12 Dieu	and the second	loethe /	/	/		/
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Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	ettas	Tich,		and the second	Benzeno	12	me	Helium	Notes
bumple ib	Sumpled	(11 0 80)				ug/m <sup>3</sup>			$\rightarrow$	%	110003
Residential ESL	for soil gas/sub	slab gas:	210	300		31,000	42	Varies	Varies	NA	
Commercial ES	L for soil gas/	subslab gas:	2,100	3,000		260,000	420	Varies	Varies	NA	
SOIL GAS (	About 5 fee	t deep into	site soil)								
187 Solano Av	enue (Parking I	ot Outside Unit	)								
SG-1	11/02/04	5.0	390	ND	ND	ND	<100	(R)	misc		Outside Unit
SUBSLAB (	GAS (Imme	diately Unde	er Concrete	Slab)							
183 Solano Av		0.5	240	-250	-250	-250	-500	-500	-250		
SS-15	07/02/13 12/04/13	0.5 0.5	340 340	<250 870	<250 <2.0	<250 <2.0	<500 8.4	<500 (a)	<250 (a)		
	03/13/14	0.5	300	<250	<250	<250		(a)	ND		
		0.2	200	1200	-250	-250					
SS-16	07/02/13	0.5	<250	<250	<250	<250	<500	<500	<250		
	08/01/13	0.5	1,400	<11	<8.1	<8.1	<6.5	<27*	(Q)		
	10/11/13	0.5	<250	<250	<250	<250	<250	<250	ND		
	12/04/13	0.5	260	660	<2.0	<2.0	7.8	(b)	(b)		130 ethanol
	03/13/14	0.5	<250	<250	<250	<250			ND		
SS-17	07/03/13	0.5	670	<11	<8.1	<8.1	<6.5	<27*	(L)		
33-17	10/11/13	0.5	1,200	<11 <250	<8.1 <250	<8.1 <250	<6.5 <250	<27* <250	(L) ND		
	12/04/13	0.5	880	690	<2.0	<2.0	6.4	(c)	(c)		
	03/13/14	0.5	630	<250	<250	<250			ND		
SS-18	07/03/13	0.5	270	<11	<8.1	<8.1	<6.5	<27*	(M)		
	03/13/14	0.5	<250	<250	<250	<250			ND		
105 0 1 1											
185 Solano Avi SS-10	enue 04/25/13	0.5	<250	<250	<250	<250			<250		7 days after vent test end
55-10	04/23/13	0.5	<230 110	<230	<250	<230	<6.5	<27*	<230 (J)		, anyo area vont tost chu
	12/04/13	0.5	58	1100	<2.0	<2.0	7.8	(Z)	(Z)		Probe south of excavation extent
SG-1185N	10/10/13	1.5	940	<250	<250	<250	<500	<500	ND		Within Passive Subslab Vent Area
	12/04/13	1.5	170	530	2.4	<2.0	9.8	(V)	(V)		Within Passive Subslab Vent Area
	03/13/14	1.5	1,400	<250	<250	<250			ND		Within Passive Subslab Vent Area
SG-1185S	03/13/14	1.5	1,500	<250	<250	<250			ND		Within Passive Subslab Vent Area
			-,								
187 Solano Av	enue										
SS-8	07/03/13	0.5	56	<11	<8.1	<8.1	<6.5	<27*	(K)	0.21	7 days after vent test end
	12/04/13	0.5	35	620	<2.0	<2.0	14	(Y)	(Y)		Probe south of excavation extent
SG-1187N	10/10/12	1.5	200	-050	-250	-250	-500		NID		Within Doccine Collar 1, 1 37
30-118/N	10/10/13 12/04/13	1.5 1.5	290 220	<250 310	<250 2.4	<250 <2.0	<500 4.8	<500 (X)	ND (X)		Within Passive Subslab Vent Area Within Passive Subslab Vent Area
	03/13/14	1.5	630	<250	2.4 <250	<2.0 <250	4.8	(X)	(X) ND		Within Passive Subslab Vent Area
SG-1187S	12/04/13	1.5	940	530	<2.0	<2.0	5.5	(W)	(W)		Within Passive Subslab Vent Area
	03/13/14	1.5	4,200	<250	<250	<250			ND		Within Passive Subslab Vent Area
101 6 1											
191 Solano Ave SS-PO-1	enue 01/17/13	0.5	1,100	110	18	90	<6.5	<27*	(F)		Before excavation and venting
55-10-1	01/17/13 04/25/13	0.5	860	<250	<250	90 <250	<6.5	<27*	(E) <250		7 days after vent test end
	07/02/13	0.5	730	<250	<250	<250	<500	<500	<250		
	12/04/13	0.5	850	620	<2.0	<2.0	11	(d)	(d)		
	03/13/14	0.5	<250	<250	<250	<250			ND		
SS-PO-2	01/17/13	0.5	760	35	<8.1	28	<6.5	<27*	(F)		Before excavation and venting
	04/25/13	0.5	<250	<250	<250	<250			<250		7 days after vent test end
	07/03/13	0.5	450	<11	<8.1	<8.1	<6.5	<27*	(N)		
	12/04/13	0.5	680 250	760	<2.0	<2.0	11	(e)	(e)		
	03/13/14	0.5	350	<250	<250	<250			ND		
SS-PO-3	07/03/13	0.5	140	<11	<8.1	<8.1	<6.5	<27*	(0)		

Table 2. Soil Gas and Subslab Gas Analytical Data - 1187 Solano Avenue, Albany, California

#### Table 2. Soil Gas and Subslab Gas Analytical Data - 1187 Solano Avenue, Albany, California

Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	leneulouoou	Inchioned (PCE)	<sup>che</sup> /TCE)	and and a set of the s	Benzence	l Izi	Super Loci		Notes
	<u> </u>		<b>←</b>	200		ug/m³				%	_
	for soil gas/subs	U	210 2,100	300 3,000		31,000 260,000	42 420	Varies Varies	Varies Varies	NA NA	-
Commercial Ex	5L 10F SOIL gas/S	uostab gas:	2,100	3,000		200,000	420	varies	varies	INA	
SS-PO-4	07/03/13	0.5	1,800	<11	<8.1	<8.1	<6.5	<27*	(P)		Air 0.40 ug/m3 PCE <2.1 ug/m3 ESL
	12/04/13	0.5	3,600	500	<2.0	<2.0	7.2	(f)	(f)		Air 0.39 ug/m3 PCE <2.1 ug/m3 ESL
	02/12/14	0.5	3,500	<250	<250	<250			ND		
	03/13/14	0.5	3,600	<250	<250	<250			ND		Air 0.16 ug/m3 PCE <2.1 ug/m3 ESL
SS-PO-5	08/01/13	0.5	41	<11	<8.1	<8.1	<6.5	<27*	ND		
CSV-1	01/17/13	0.2	<14	<11	<8.1	<8.1	<6.5	19 (G)	(G)		Crawl Space
Courtyard West	of 1191 Solano	Avenue									
SS-19	07/03/13	0.5	34	<11	<8.1	<8.1	<6.5	15 (I)	(I)		Courtyard
SS-20	07/03/13	0.5	59	<11	<8.1	<8.1	<6.5	<27*	(H)		Courtyard
845 Stannage A	venue										
845-SS1	01/16/14	0.5	40	<2.8	<2.0	<2.0	<1.6	3.1 (g)	(g)		Near apt w/crawlspace, nw of site

#### Abbreviations:

Tetrachloroethene, Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, and Helium analyzed by Method TO-15 or EPA Method 8260 (sometimes 8010 report list).

Benzene by Method TO-15 or EPA Method 8260.

TEX = Toluene, ethylbenzene, and xylenes by Method TO-15 or EPA Method 8260.

Other VOCs = Volatile Organic Compounds except for Tetrachloroethene, Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene and Helium analyzed by Method TO-15 or EPA Method 8260 (sometimes only 8010 list).

ug/m3 = Micrograms per cubic meter of air.

ft bgs = Depth interval below ground surface (bgs) in feet.

NA= not applicable

ND = not detected above laboratory reporting limits.

< n = Chemical not present at a concentration in excess of detection limit shown.

ESL = Environmental Screening Level for Shallow Soil Gas for Evaluation of Potential Vapor Intrusion (Table E-2). Established by the SFBRWQCB, Interim Final - November 2007 (Revised May 2013).

Tetrachloroethene also referred to as Perchloroethene, PCE or Perc.

#### Bold concentrations exceed commercial CHHSL.

\*TEX detection limits for TO-15 = toluene 8.8 ug/m<sup>3</sup>, ethylbenzene 8.8 ug/m<sup>3</sup>, and xylenes 27 ug/m<sup>3</sup>. Highest detection limit shown above.

Note E: 8.1 ug/m3 tetrahydrofuran and 9.1 ug/m3 vinyl chloride

Note F: 210 ug/m3 ethanol and 14 ug/m3 tetrahydrofuran

Note J: 390 ug/m3 acetone, 13 ug/m3 styrene, and 38 ug/m3 tetrahydrofuran

Note K: 320 ug/m3 acetone and 61 ug/m3 tetrahydrofuran

Note M: 200 ug/m3 acetone, 9.0 ug/m3 carbon disulfide, and 22 ug/m3 tetrahydrofuran

Note Q: 350  $\mu$ g/m<sup>3</sup> ethly acetate and 26,000  $\mu$ g/m<sup>3</sup> ethanol

Note R: 650  $\mu g/m^3$  toluene, 170  $\mu g/m^3$  ethylbenzene, and 980  $\mu g/m^3$  xylenes

Note V: 46 ethylbenzene, 3.7 toluene, 230 xylenes, 220 acetone, 300 2-butanone, 2,200 tetrahydrofuran (glue?), 12 chloroform, 210 ethanol (see report for additional)

Note W: 57 ethylbenzene, 5.5 toluene, 300 xylenes, 190 acetone, 310 2-butanone, 2,200 tetrahydrofuran (glue?), 18 chloroform, 470 ethanol (see report for additional)

Note X: 62 ethylbenzene, 3.7 toluene, 350 xylenes, 160 acetone, 160 2-butanone, 2,200 tetrahydrofuran (glue?),7.1 chloroform (see report for additional)

Note Y: 4.0 toluene, 11 xylenes, 120 acetone, 160 2-butanone, 36 tetrahydrofuran (glue?) (see report for additional)

Note Z: 3.5 ethylbenzene, 6.6 toluene, 17 xylenes, 77 acetone (see report for additional)

Note a: 13 ethylbenzene, 6.0 toluene, 93 xylenes, 62 acetone, 3.5 carbon disulfide, 52 tetrahydrofuran (glue?) (see report for additional)

Note b: 6.5 ethylbenzene, 4.3 toluene, 48 xylenes, 8.7 carbon disulfide, 24 tetrahydrofuran (glue?), 130 ethanol (see report for additional)

Note c: 8.2 ethylbenzene, 4.2 toluene, 60 xylenes, 2.6 carbon disulfide, 18 tetrahydrofuran (glue?) (see report for additional)

Note d: 4.7 ethylbenzene, 4.1 toluene, 33 xylenes(see report for additional)

Note e: 5.3 ethylbenzene, 4.8 toluene, 37 xylenes, 94 acetone, 11 carbon disulfide, 9.2 tetrahydrofuran (glue?) (see report for additional)

Note f: 3.5 ethylbenzene, 3.7 toluene, 23 xylenes, 260 acetone, 2.5 carbon disulfide, 6.0 tetrahydrofuran (glue?) (see report for additional)

Table 3. Indoor Air - 1183 - 1191 Solano Avenue, Albany, California

Boring/ Sample ID	Date Sampled	Tenantin	Tricilioner (PCE)	cis.1.2.Dice	tians.1.2.D.	Carlon Terr	Actione Action	Brononer,	Children Children		deniene	Enumer	Toluene	4 Jugars	1,2 dibining	1,2 dichorown	Naphinader	outer by	Ç Notes
		←	-							- ug/m <sup>3</sup>									>
Residential ESL for Indo	or Air:	0.41	0.41		63	0.058	32,000	5.2	0.46	0.22	0.084	0.97	310	100	0.032	0.12	0.072	Varies	
Commercial ESL for Inde	oor Air:	2.1	3.0		260	0.29	140,000	22	2.3	1.1	0.42	4.9	1,300	440	0.17	0.58	0.36	Varies	
Residential CHHSL for I	ndoor Air:	0.412	1.22	36.5	73	0.0579					0.084		313	730		0.116	0.072	Varies	
10X Residential CHHSL	for Indoor Air:	4.12	12.2	365	730	0.579					0.84		3,130	7,300		1.16	0.72	Varies	
Commercial CHHSL for	Indoor Air:	0.693	2.04	51.1	102	0.0973					0.141		438	1,020		0.195	0.12	Varies	
1102 5-1 4																			
1183 Solano Avenue Air 1183 8hr	10/03/13	0.44	0.027	< 0.40	< 0.40	0.54(1,2)	45	0.89	0.28	0.078	0.39	1.9	1.3	11	0.023	1.1	0.61 <sup>(2)</sup>	Varies	8 hr sample. Fan on.
Air 1183 24hr	10/03/13	1.1	0.027	<0.40	<0.40	0.53 <sup>(1,2)</sup>	43	0.89	0.28	0.078	0.39	2.3	1.5	11	0.023	1.1	0.51 <sup>(2)</sup>	Varies	24 hr sample. Fan on 8 hrs.
Air 1183 8hr	10/03/13	1.1	0.048	<0.40	<0.40	0.45 <sup>(1,2)</sup>	40 86	<0.39	0.19	0.00	1.2 <sup>(2)</sup>	1.8	4.5	9.1	<0.002	0.65	0.44 <sup>(2)</sup>	Varies	8 hr sample. Heat on.
Air 1183 8hr	03/06/14	0.51	0.094	<0.40	<0.40	0.41 <sup>(1,2)</sup>	59	<0.39	0.32	0.086	0.56 <sup>(2)</sup>	1.5	4.6	7.6	<0.0078	1.7	0.52 <sup>(2)</sup>	Varies	24 hr sample.
All 1105 bill	05/00/14	0.51	0.094	<0.40	<0.40		59	<0.59	0.52	0.080	0100	1.5	4.0	7.0	<0.0078	1./	0.02	v aries	24 in sample.
1185 Solano Avenue																			
Air 1185 8hr	12/18/13	0.50	0.034	< 0.40	< 0.40	<b>0.47</b> <sup>(1,2)</sup>	44	< 0.39	0.15	0.087	1.1 <sup>(2)</sup>	0.81	2.6	4.0	< 0.0078	0.12	0.28	Varies	8 hr sample
Air 1185/87 24hr*	03/06/14	0.44	0.025	<0.4	< 0.40	0.44 <sup>(1,2)</sup>	24	< 0.39	0.30	0.10	0.52 <sup>(2)</sup>	< 0.44	1.5	2.2	< 0.0078	0.13	0.20	Varies	24 hr sample from wall opening.
																			r r s
1187 Solano Avenue																			
Air 1187 8hr	09/27/13	0.85	0.041	< 0.40	< 0.40	0.57 <sup>(1,2)</sup>	100	0.82	0.20	0.056	0.52(2)	2.2	1.6	12	0.0086	0.084	0.25(2)	Varies	8 hr sample
Air 1187 8hr	12/18/13	0.45	0.030	< 0.40	< 0.40	<b>0.44</b> <sup>(1,2)</sup>	43	< 0.39	0.18	0.078	1.0 <sup>(2)</sup>	0.64	2.4	3.1	< 0.0078	0.094	0.46 <sup>(2)</sup>	Varies	8 hr sample
Air 1185/87 24hr*	03/06/14	0.44	0.025	< 0.4	< 0.40	<b>0.44</b> <sup>(1,2)</sup>	24	< 0.39	0.30	0.10	0.52(2)	< 0.44	1.5	2.2	< 0.0078	0.13	0.20	Varies	24 hr sample from wall opening.
1191 Solano Avenue																			
Air 1191 Break 8hr	10/03/13	0.40	0.023	< 0.40	< 0.40	<b>0.66</b> <sup>(1,2)</sup>	30	0.82	0.30	0.14	0.37	0.92	4.1	4.7	0.015	0.093	0.39 <sup>(2)</sup>	Varies	8 hr sample. Break room.
USPS-ALB-Air1	12/18/13	0.39	< 0.18	< 0.13	< 0.67	<1.0	20	<3.3	< 0.82	<1.0	1.3(2)	1.1	8.2	4.8	<1.3	< 0.68	NA	Varies	8 hr sample. Break room.
Air 1191 Break 24hr	03/06/14	0.16	0.013	0.058	< 0.40	<b>0.60</b> <sup>(1,2)</sup>	30	< 0.39	0.61	0.15	$0.52^{(2)}$	< 0.44	6.1	1.6	< 0.0078	0.058	0.22	Varies	24 hr sample. Break room.
Air 1191 8hr	10/03/13	0.36	0.020	<0.40	< 0.40	<b>0.68</b> <sup>(1,2)</sup>	36	0.74	0.41	0.15	0.39		7.7	5.7	0.014	0.12	<b>0.38</b> <sup>(2)</sup>	Varies	8 hr sample. Work room (on safe).
Air 1191 8nr Air 1191 24hr	10/03/13	0.36	0.020	<0.40 <0.40	<0.40 <0.40	0.68 0.73 <sup>(1,2)</sup>	36 37	0.74	0.41	0.15	0.39	1.1 1.8	6.3	5.7 9.4	0.014	0.12	0.38 0.46 <sup>(2)</sup>	Varies	8 hr sample. Work room (on sare). 24 hour sample. Work room.
USPS-ALB-Air2	12/18/13	0.37	<0.17	<0.40	<0.40 <0.62	<0.99	24	<3.0	<0.41	<0.16	1.9 <sup>(2)</sup>	1.8	6.5 8.9	9.4 5.1	<1.2	<0.64	0.40 NA	Varies	24 nour sample. Work room. 8 hr sample. Work room (on safe).
Air 1191 24hr	03/06/14	0.26	<0.17	<0.12	<0.62	<0.99 0.58 <sup>(1,2)</sup>	24 24	<3.0 <0.39	<0.77	<0.94	0.55 <sup>(2)</sup>	0.48	8.9 7.6	5.1 1.7	<0.0078	<0.64 0.063	0.29	Varies	24 hour sample. Work room (on safe).
All 1171 24ill	05/00/14	0.14	0.015	<0. <del>4</del> 0	<b>\0.</b> ₩0	0.00	24	<0.59	0.50	0.17	0.00	0.40	7.0	1./	~0.0078	0.005	0.29	v aries	24 nour sample. Work room (on sale).
Background																			
Air Background 8hr	10/03/13	0.053	< 0.0055	< 0.40	< 0.40	0.53(1,2)	15	0.69	0.24	0.029	0.25	< 0.44	0.47	<1.3	0.0093	0.038	0.16	Varies	Upwind 8 hr sample. On breezy roof.
USPS-ALB-Air3	12/18/13	< 0.22	< 0.89	< 0.13	< 0.66	<1.0	8.9	<3.2	< 0.81	<1.0	1.5 <sup>(2)</sup>	0.86	3.8	3.2	<1.3	< 0.67	NA	Varies	Upwind 8 hr sample. Courtyard roof.
Air Ambien 24hr	03/06/14	0.058	< 0.0055	< 0.40	< 0.40	<b>0.48</b> <sup>(1,2)</sup>	20	< 0.39	0.20	0.11	0.50 <sup>(2)</sup>	< 0.44	1.2	<1.3	< 0.0078	0.060	0.098	Varies	Upwind 24 hr sample. In breezy tree.
Air Ambien 24nr	03/06/14	0.058	<0.0055	<0.40	<0.40	0.48	20	<0.39	0.20	0.11	0.50	<0.44	1.2	<1.3	<0.0078	0.060	0.098	varies	Upwind 24 nr sample. In breezy tr

#### Abbreviations:

1= Carbon tetrachloride presumably associated with refrigerant as compound is involved with refrigerant manufacturing and other refrigerants detected in sample (dichlorodifluoromethant and trichlorofluoromethane).

2= Compound not detected in site subsurface; result could be representative of background conditions due to similar concentration detected in ambient air and other indoor air samples.

PCE = Tetrachloroethene, also referred to as Perchloroethene or 'Perc'.

TCE = 1,1,1-trichloroethene.

VOCs analyzed by Method TO-15

Other VOCs = Volatile Organic Compounds other than listed above as quantified by Method TO-15.

 $ug/m^3$  = Micrograms per cubic meter of air.

NA= not analyzed or not applicable

< n = Chemical not present at a concentration in excess of detection limit shown.

CHHSL = California Human Health Screening Levels for Indoor Air Updated 9/23/2010. http://oehha.ca.gov/risk/chhsltable.html. Commercial CHHSL assumes 24 hr exposure, versus 8 hr exposure for commercial ESL.

ESL = Environmental Screening Level for Indoor Air (Table E-3). Established by the SFBRWQCB, Interim Final - November 2007 (Revised Feb 2013).

\* = Air sampled collected at large wall opening between units at 1185 and 1187 Solano.

Bold concentrations exceed commercial ESL.

#### Table 4 - Monitoring Program for O&M Plan – 1187 Solano Avenue, Albany, California

Media	Prior Number of Monitoring Events	<b>2Q 2014</b> <sup>1</sup> (Warm/dry season)	<b>3Q 2014</b> <sup>1</sup> (Warm/dry season)	Total Quarters Planned for Sampling	Future Sampling (if Required)
Subslab Gas	5 Events	9 Key Probes <sup>2</sup>	9 Key Probes <sup>2</sup>	7 Quarters (Subslab Gas)	Annually (1Q/cold season)
Indoor Air	3 Events	All Units <sup>3</sup> (24 Hr, HVAC off)	All Units <sup>3</sup> (24 Hr, HVAC off)	5 Quarters (Indoor Air)	Annually (1Q/cold season)
Groundwater	4 Events	All 7 Wells <sup>4</sup>	All 7 Wells <sup>4</sup>	5 Quarters (Groundwater)	Quarterly 2014. Semi-annual or annually thereafter as required.

Notes:

1 = Assumes request case closure after 2Q 2014 monitoring event. Assumes last monitoring event (3Q 2014) is performed during public notification of intent to closure and case closure consideration by agency.

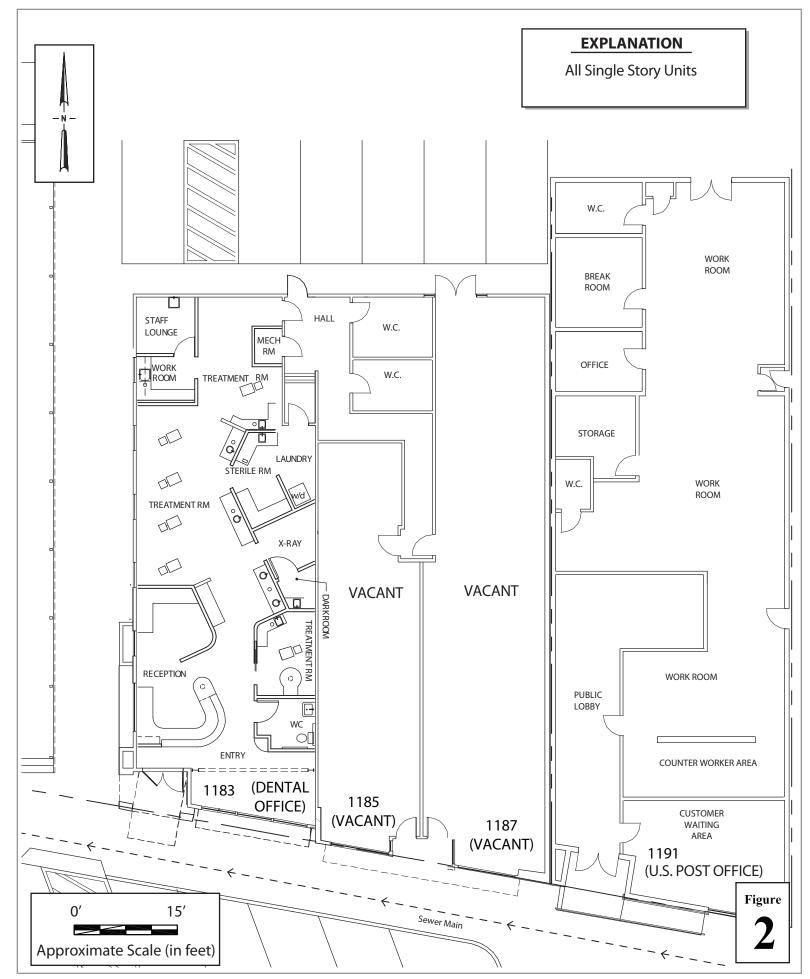
2 = Subslab probes scheduled for sampling includes the following probes: all four probes within the passive ventilation gravel layer in 1185 and 1187 (SG-1185N, SG-1185S, SG-1187N, SG-1187S); two probes in 1183 Solano (SS-16 and SS-17); and three probes in 1191 Solano (SSPO-1, SSPO-2 and SSPO-4).

3 =One indoor air samples will be collected from each unit at 1183, 1185, 1187 and 1191 Solano Avenue, and from one outdoor ambient location in the upwind direction. If the common wall between 1185 and 1187 Solano remain open during the 2Q2014 event, then one sample may be collected at the wall opening to control cost.

4 = Sampling of 4 initial wells and 3 new wells performed in March 2014.

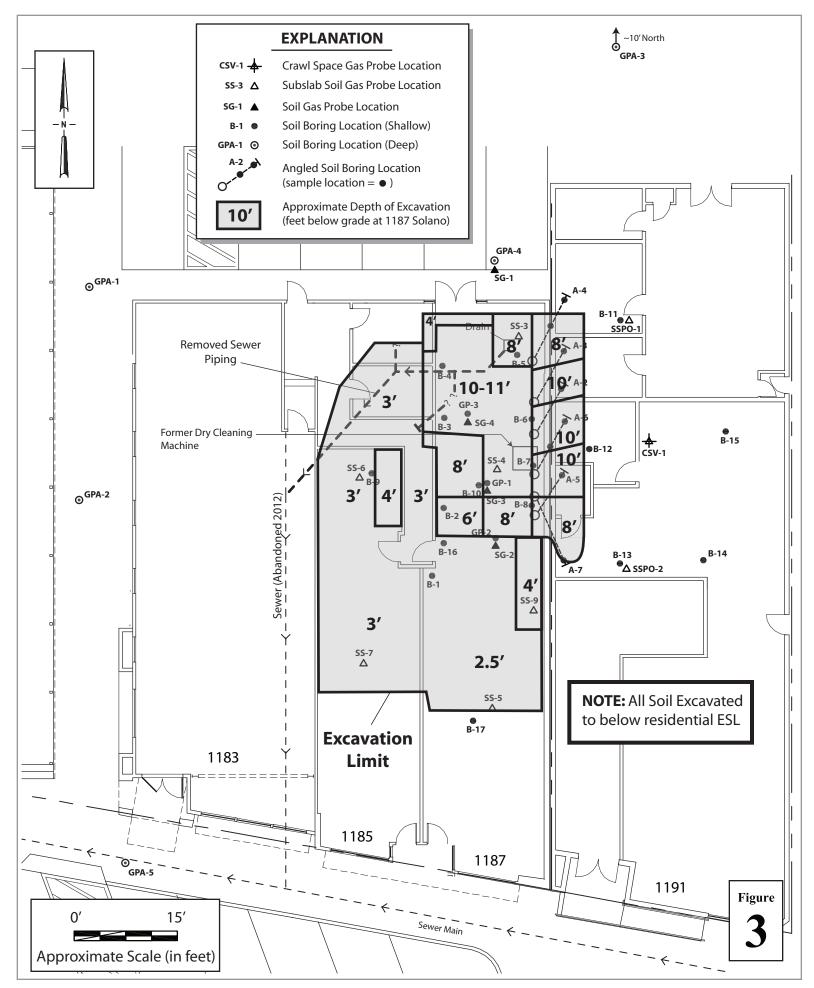
# APPENDIX A

Other Figures



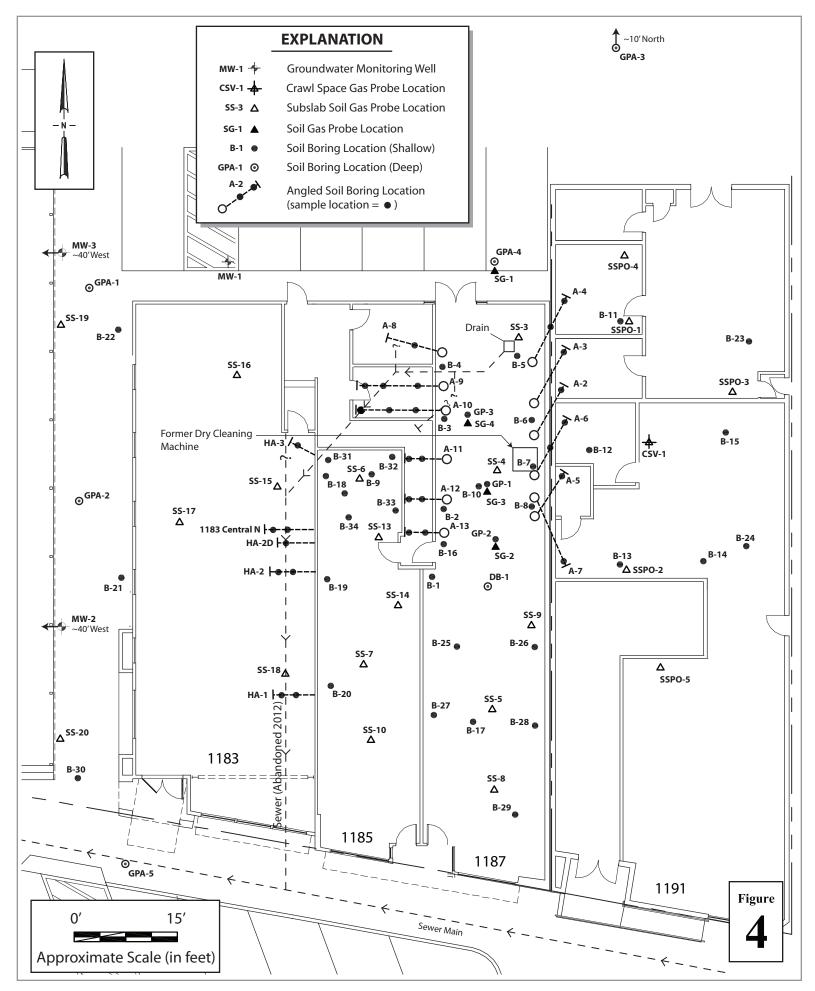


Site Map



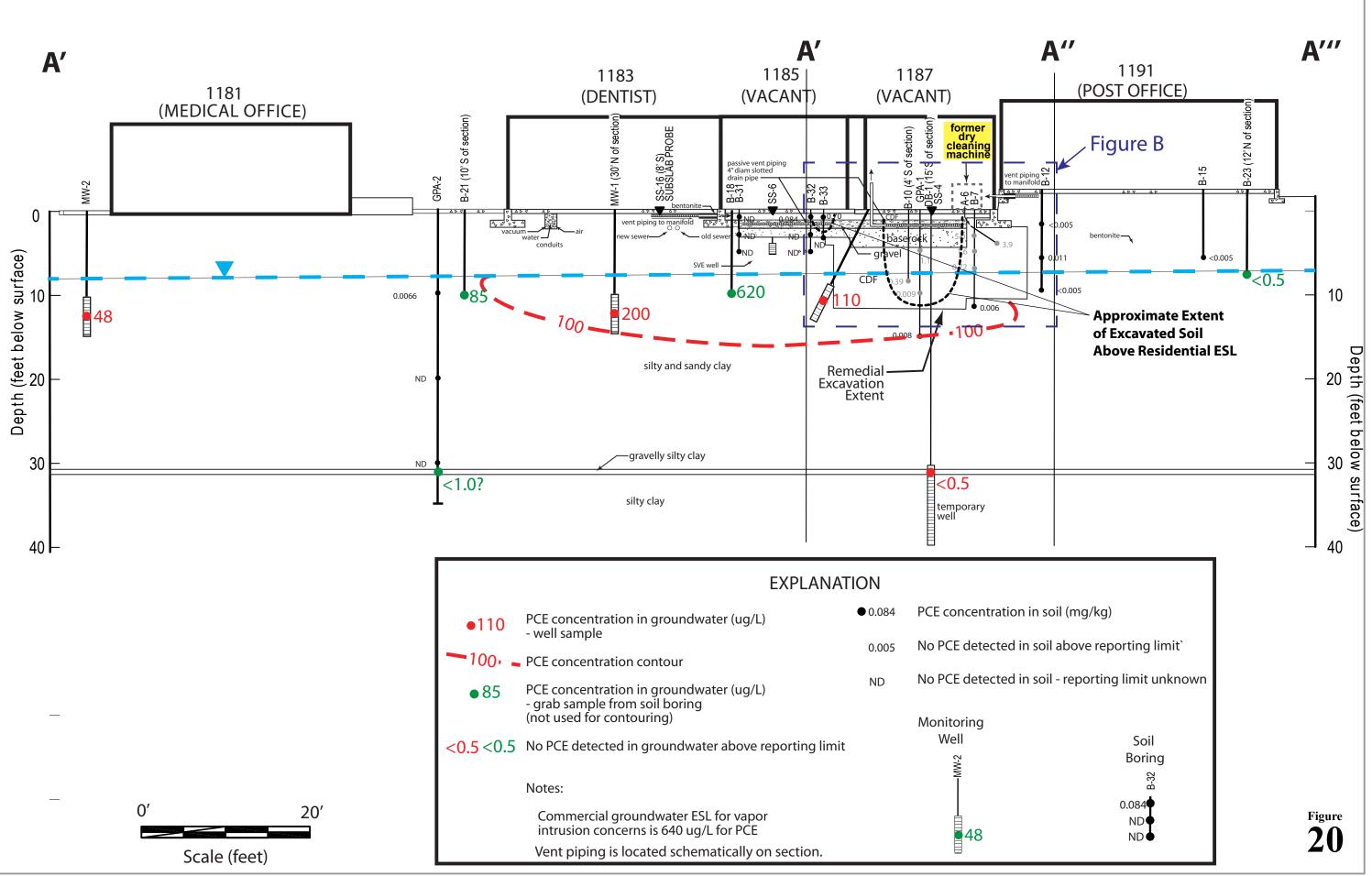


Final Interim Excavation Extent and Depth



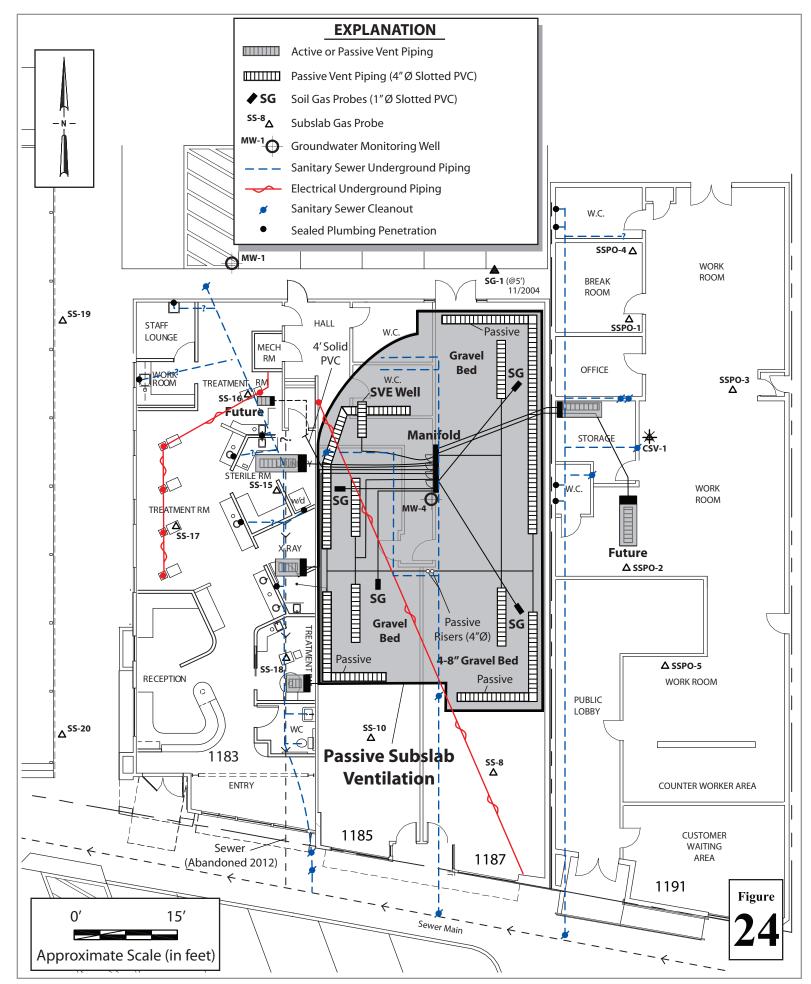


**Sampling Location Map** 





Geologic Cross Section A-A'"





Post Excavation Site Map with Underground Utilities

# **APPENDIX B**

Inspection Form

# **ANNUAL PAVEMENT INSPECTION REPORT FORM**

Betts Towing 4825 San Leandro Street Oakland, California

Inspector:	Firm:
(Print Name)	*****
* * * * * * * * * * * * * * * * * * *	• • • • • • • • • • • • • • • • • • •
North Side of Building	
Condition of Sidewalk:	
Condition of Pavement:	
Are cracks, breaks, or holes present?	
Comments:	
East Side of Building	
Condition of Pavement:	
Comments:	
South Side of Building	
Condition of Pavement:	
Comments:	
West Side of Building	
Condition of Pavement:	
3 3 <b>x</b>	

## Recommendations for pavement maintenance or Repair:

#### Inspector's Signature:

Date: \_\_\_\_