Treadwell&Rollo
A LANGAN COMPANY

13 November 2012
Project 731047902

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

Subject: Workplan for Soil Sampling
5750 - 5780 Hollis Street (Parkside)
Building A Basement
Emeryville, California

Dear Mr. Detterman:

On behalf of Archstone Development, Treadwell & Rollo, Inc. (T&R) is submitting this Workplan for soil sampling at 5780 Hollis Street (Site) in Emeryville, California (Figure 1). This Workplan addresses concerns and requests made by Alameda County Department of Environmental Health (ACEH) in their letter dated 19 October 2012 regarding the investigation/cleanup activities related to polychlorinated biphenyls (PCBs) transformer oil spilled at the subject Site. In the letter, ACEH requested a written scope of work prior to approval of cleanup/remediation consisting of the following:

- A sampling plan;
- Constituents to be analyzed;
- Name of the laboratory selected to perform the analyses;
- Disposal site for contaminated materials; and,
- Proposed soil characterization and remediation activities.

The PCB spill and emergency cleanup activities are described in Cardno ATC's letter to Mr. Dan Emerson of Archstone dated 24 October, 2012 which details the following:

- On the morning of 8 October 2012, Archstone personnel discovered approximately 170 gallons of PCB oil were released from three transformers by site vandalism. The transformers were located within an approximately 12 foot by 8 foot room in the basement of the subject Site, which is located along the western edge of the Hollis building (Building A), bordering Hollis Street. Previous sampling of the transformer oil indicates the oil contains PCB concentrations ranging between 850,000 to 920,000 mg/kg. The PCB containing oil was spilled onto a concrete floor. A stained area of approximately 15 feet by 15 feet was noted outside of the transformer room to the east.
- The following morning (9 October 2012), Enviroserve, commenced cleanup of the spill-affected area, recovering approximately 50 gallons of oil. During cleanup, a slab block out was identified beneath a metal plate within the transformer room; PCB oil is thought to have had contact with the soil in this area.
- After cleanup, a total of 26 sampling locations were selected within and around the stained area directly outside the transformer room. Concrete was sampled at these locations by coring the concrete and submitting for PCB analysis. Additionally three soil samples were gathered within the transformer room, from the exposed soil adjacent to the breach. Each sample was gathered

from the same location at progressively deeper depths (0 to 6 inches, 6 inches to 12 inches and 12 inches to 18 inches in depth).

- Of the soil samples collected, concentrations of PCBs decreased with depth from 11,000 mg/kg from 0 to 6 inches, to 3,000 mg/kg from 6 inches to 12 inches, and to 5.8 mg/kg from 12 inches to 18 inches in depth.

This workplan outlines procedures intended to characterize the soil by delineating the depth, areal extent and concentrations of potential PCB contamination at the Site within soils underlying the former transformer room and area of staining adjacent to the transformer room, and a proposed sampling plan and analysis, laboratory and disposal site. A PCB concentration of 0.22 mg/kg for soils will be considered as having met the cleanup goal, based upon California Regional Water Quality Control Board, San Francisco Bay Region, Environmental Screening Levels for shallow residential soil.

BACKGROUND AND SETTING

The Site is generally flat and is at an elevation of approximately 20 feet above mean sea level (msl). The Site is approximately 2.35 acres and currently contains two vacant buildings and asphalt parking. The Site is bounded by Doyle Street to the east, Powell Street to the north, Stanford Avenue to the south and Hollis Street to the west. Development plans include demolishing the existing structures and constructing apartments. The development will consist of a podium parking structure with apartment units above the parking structure in the area bound by Powell, Hollis, Doyle and the City of Emeryville Parking lot.

The Site is located in the Berkeley Hydrologic Subunit of the Bay Bridges Hydrologic Unit of the San Francisco Bay Drainage Province. The Site overlies approximately 100 feet of the Bay Mud, which is composed of clay and silty clay with interspersed sand lenses. Underlying the Bay Mud is the Merritt Sand, which is composed of medium to coarse sand with some gravel, and is the shallow groundwater bearing zone in the area. Depth to groundwater was estimated to range between ten to fifteen feet below ground surface (bgs) (Ceres, 1994). Groundwater at the Site is not currently a source of drinking water.

PROPOSED ACTIVITIES

Proposed soil sampling activities are described below.

Soil Sampling and Excavation

T&R proposes to collect soil samples for analysis of PCBs as shown on Figure 3. Samples will be collected below the existing transformer room and stained area directly outside the transformer room. Samples will be collected at the following four proposed depths:

- Surface to 6 inches bgs;
- 6 inches to 12 inches bgs;
- 12 inches to 18 inches bgs; and,
- 18 inches to 24 inches bgs.

Sample locations were selected based on the recommended hexagonal grid sampling design found in USEPA's "Field Manual for Grid Sampling of PCB Spill Sites to Verify Cleanup" dated May 1986. The sampling grid is composed of 36 sampling locations overlying the transformer room and area of stained concrete outside of the transformer room. Sampling locations are spaced based on a sampling radius of 20 feet; the entire sampling area is 40 feet by 40 feet. Adjacent sample points within the grid are spaced at six feet apart (0.30 times the radius, north to south) and successive rows are spaced approximately 5.2 feet apart (0.26 times the radius, east to west) following the USEPA 37 point grid layout (USEPA 1986). The western edge of the sampling grid is constrained by the presence of Hollis Street; three of the sample locations formerly located beyond the western transformer room wall were therefore moved to ensure adequate coverage of the area.

At each sampling location, three discreet samples will be collected in six inch depth intervals. The sampling intervals were chosen based on the results of soil sampling performed by Cardno ATC on 13 October 2012 within the transformer room, which indicated PCB concentrations decreasing with depth to very low levels between 12 to 18 inches bgs. All samples will be submitted to Curtis and Tompkins, a California Certified Environmental Laboratory in Berkeley, California, for PCB analysis by EPA method 8082. Samples will be submitted on a 48 hour turnaround time. Analysis will proceed with depth based on overlying sample results. All proposed samples gathered between the surface and 6 inches will be analyzed for PCBs; the remaining samples collected below 6 inches will be placed on hold pending results of the overlying samples. Samples with concentrations of PCBs exceeding the cleanup goal will trigger the analysis for the next underlying sample until PCBs are either not detected at laboratory reporting limits or are less than the cleanup goal.

Soil samples will be gathered using hand equipment (hand auger) and gathered into laboratory supplied glass jars. Equipment used for sampling will be decontaminated after the collection of each sample using the following steps:

1. Rinse equipment in a 5-gallon bucket containing a surfactant (Liquinox™ or equivalent)
2. Rinse equipment in a 5-gallon bucket containing plain water
3. Dry equipment with a clean paper towel
4. Wipe down equipment using a Kimwipe™ containing hexane
5. Rinse equipment using a spray bottle containing de-ionized (DI) water
6. Allow equipment to air dry.

If soil adjacent to the outer boundary of the sampling area, or within the sampling area below 2 feet, is found to contain PCBs greater than the cleanup goals, additional excavation and sampling will occur with either depth or in lateral extent. Any additional lateral excavation will consist of removing soil to the adjacent sampling location based on extending the sampling grid. Any additional vertical removal of soil will be to six inches in depth, to the next adjacent sampling locations having results below cleanup goals. Additional samples may then be gathered at the next sampling depth or point. Excavation will be considered complete when all samples meet cleanup goals. Excavated soil potentially affected by PCBs will be stockpiled separately and taken off-site for disposal at an appropriate disposal facility.

Disposal

Soil will be stockpiled for off haul and disposal. T&R will sample the stockpile either following DTSC guidance for stockpile sampling (one four point composite sample for first 250 cubic yards, one additional four-point composite sample for additional 500 cubic yards) or on the requirements of the selected landfill and T&R will submit the analytical results to the landfill for acceptance.

Record Keeping

Following the recommendations outlined in Cardno ATC's letter to Mr. Dan Emerson of Archstone dated 24 October 2012, T&R will keep field records of the approximate depth of soil excavation and amount of soil removed, and of soil sampling results. Following completion of soil sampling and removal activities, the removal activities and soil sampling results will be summarized in a brief letter report with a figure showing dimensions and location of excavation work, and a summary table of analytical results.

If you have any questions or require additional information, please call.

Sincerely yours,
Treadwell & Rollo, A Langan Company

Noel Liner, PG
Senior Staff Geologist

Peter Cusack, REA
Associate

cc: Mr. Dan Emerson, Archstone

73147902.06 NL

Attachments

Figure 1 Site Location Map
Figure 2 Site Plan
Figure 3 Sampling Plan

Letter: Cardno ATC, "Consulting Services – PCB Sampling Results and Response Actions 5750 – 5780 Hollis Street, Building A Basement" dated 24 October 2012

Letter: Alameda County Department of Environmental Health, "Notice of Corrective Action: API Emeryville Parkside LLC., 5750-5780 Hollis Street, Emeryville, CA 94608" dated 19 October 2012

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FIGURES

Base map: The Thomas Guide
San Francisco County
1999

0 1/4 1/2 Mile

Approximate scale

PARKSIDE
Emeryville, California

SITE LOCATION MAP

Treadwell&Rollo
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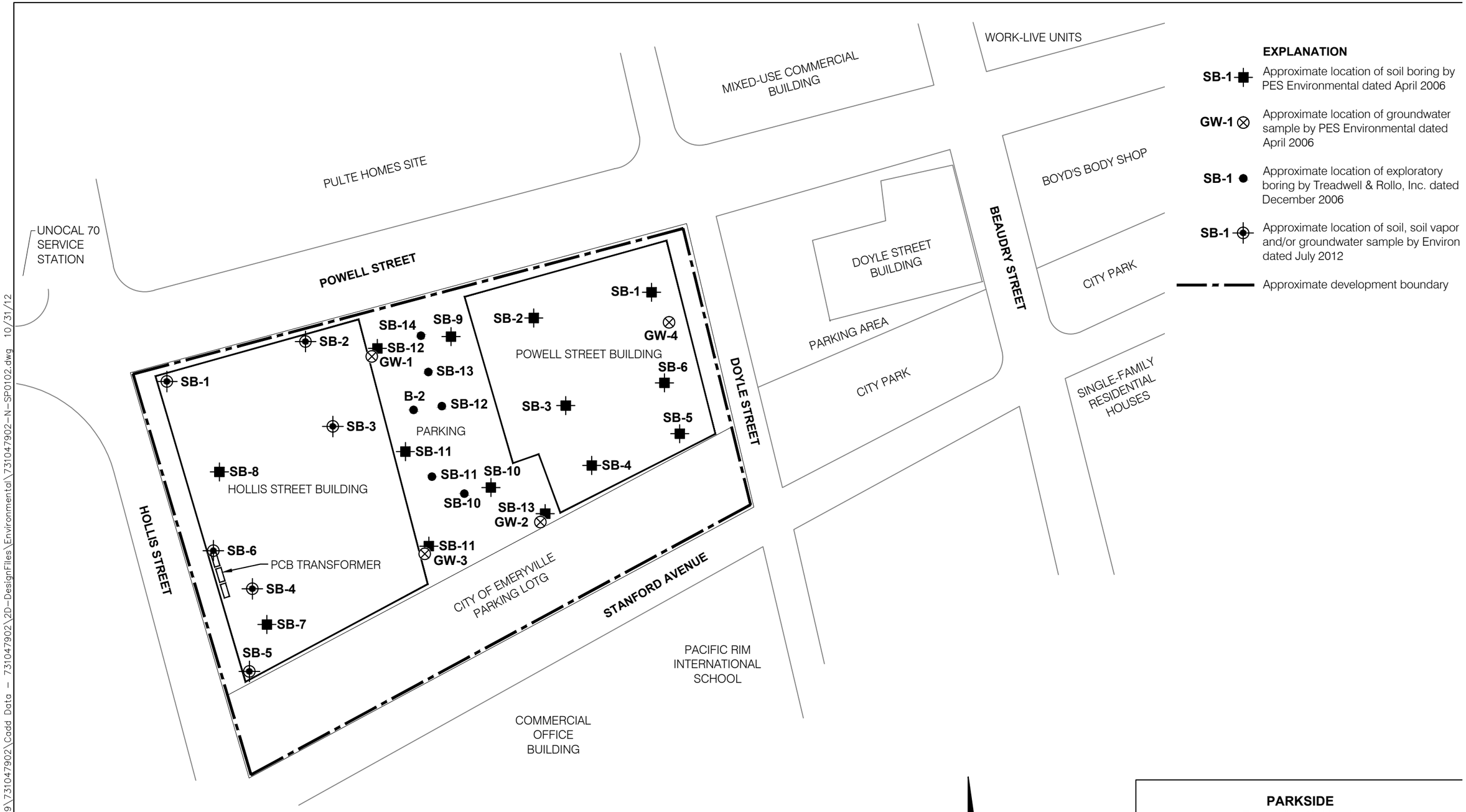
Date 08/10/12	Project No. 731047902	Figure 1



Reference: Base map from drawing titled "Soil and Groundwater Sampling Locations, The Papermill", by PES Environmental, Inc. dated 05/06

PARKSIDE
Emeryville, California

SITE PLAN

Date 10/31/12	Project No. 731047902	Figure 2

Treadwell&Rollo
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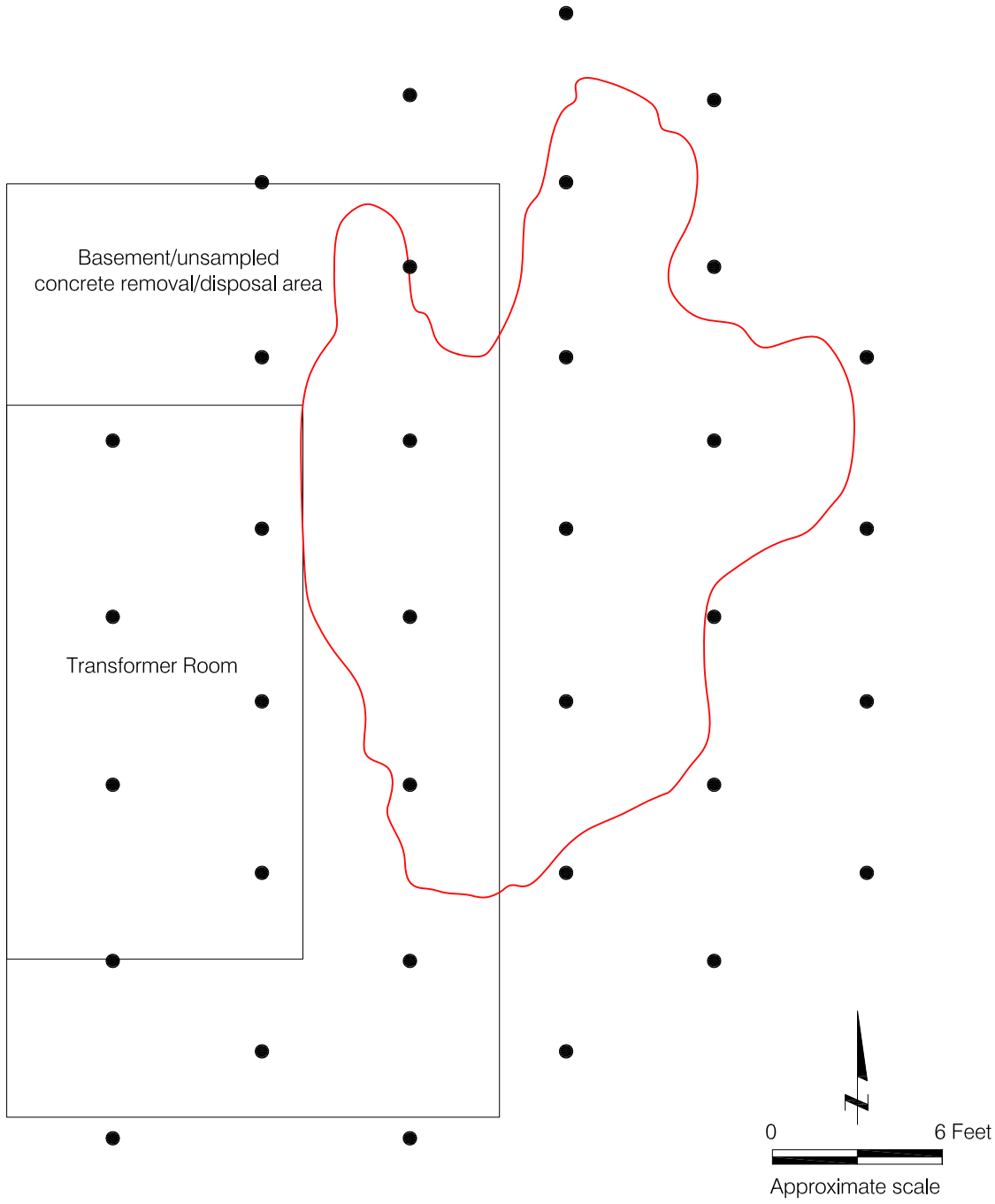

EXPLANATION

- Proposed soil sample location
- Approximate location of Stained Area

Notes:

1. Hexagonal grid sampling design follows USEPA's "Field Manual for Grid Sampling of PCB Spill Sites to Verify Cleanup, May 1986".
2. Soil samples gathered in 6-inch intervals between 0 to 24 inches

PARKSIDE
Emeryville, California

Treadwell&Rollo
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PCB SOIL SAMPLING LAYOUT

Date 11/01/12 | Project No. 731047902 | Figure 3

Cardno ATC
Shaping the Future

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October 24, 2012

Mr. Dan Emerson
Archstone
807 Broadway, Suite 210,
Oakland, CA 94607
Transmitted Via E-Mail: DEmerson@archstonemail.com

Subject: Consulting Services – PCB Sampling Results and Response Actions
5750-5780 Hollis Street, Building A Basement
Project #75.75077.0004

Dear Mr. Emerson:

Per your request Cardno ATC is pleased to provide the following guidance regarding an accidental polychlorinated biphenyls (PCBs) release located at the above referenced subject location.

Background

Cardno ATC's understands that Archstone personnel discovered on the morning of October 8, 2012 that approximately (≈) 170 gallons of PCB hydraulic oil were released by site vandalism from three transformers located within a room (≈12' x 8') in the basement of the subject location. The subject location was in the process of entire building site demolition to ground. The vandalism of the copper coils from within the three transformers accidentally breached the secondary containment tray and released some of the PCB hydraulic oil onto the surrounding area. The concentration of PCBs in the transformer hydraulic oil had previously been analyzed and was found to range from 850,000 to 920,000 mg/kg (ppm). As defined by the Code of Federal Register (CFR), Title 40, Subsection 761.123, the concentration in these transformers are considered as a "high-concentration". The affected concrete floor is considered as a nonimpervious solid surface which is porous and is more likely to absorb spilled PCBs prior to the completion of the cleanup requirements.

In addition, Cardno ATC's understands that on October 9, 2012 Enviroserve, the subcontractor of the demolition company, commenced initial cleanup of the transformer room by absorbing and wiping areas that had visible evidence of PCB liquid. Equipment and building materials that were likely contaminated with PCBs were then appropriately cleaned using EPA's double wash/rinse methods except for the sheetrock walls of the room. During cleanup activities an unsecured metal plate was discovered on the transformer room floor. Upon lifting the plate, a slab block-out was identified. While unable to identify the extent of the impact of the breach of secondary containment, it was likely that hydraulic PCB oil had contact with the soil in this area, since only ≈ 50 gals of liquid waste was recovered during the cleanup .

After the October 11, 2012 conference call and discussion with Ms. Carmen Santos, EPA Region 9, and Mr. Chris Tougeron, Alameda County Health Agency, Department of Environmental Health, Archstone and the other involved parties were encouraged to pursue implementation of the self-implementing on-site cleanup and disposal procedures as defined in the Code of Federal Register (CFR), Title 40, Subsection 761.61, PCB remediation waste. Although cleanup of the transformer room had been completed within 72 hours after discovery, surface wipe sampling was not deemed necessary, since the results would not likely provide valuable information regarding the extent of hydraulic PCB oil absorption into the porous concrete. EPA suggested that the site characterization for the self-implementing procedures should begin in the area five (5) feet beyond the transformer room's boundary. As required in 40 CFR 761.61(a)(5)(i)(B)(2)(*i*), the unsampled transformer room concrete floor/equipment along with the boundary perimeter area would be considered and handled as bulk PCB remediation waste which contains $\geq$ 50 ppm PCBs for disposal purposes.

Pre-cleanup Site Characterization

In order to meet the requirements for self-implementing on-site cleanup, the concentration of PCBs was sampled in likely-contaminated and adjacent areas beyond the 5 foot boundary of the transformer room and leading out to the basement entry way. A stain ≈ 15' x 15' was visible in front of the transformer doorway. Water was found dripping from an overhead pipe onto the stained area. The actual source(s) of the stain could not be positively identified. However, the stain was assumed to be PCB contaminated for sampling purposes. Therefore, a sampling area of ≈ 225 sq feet (the stain) plus 20 percent of the original area of contamination (transformer room plus stain), totaling ≈ 370 sq' was designated. The sample locations (Appendix A) were chosen using a hexagonal grid work as discussed in EPA document 560/5-85-026, *Verification of PCB Spill Cleanup by Sampling and Analysis*, dated August 1985. The sampling points were oriented ≈ 5' apart overlaying the hexagonal sampling grid, resulting in a 26 sampling sites, of which nine (9) sites were within the visibly stained area. These nine (9) sampling sites met the minimum requirements for the number of samples cited in the space formula[1] provided in EPA document 530-D-02-002, RCRA Waste Sampling Draft Technical Guidance, dated August 2002, for determining the minimum number of samples for a contaminated site. This non-random heterogeneous design was used to minimize possible sampling, analytical and statistical errors.

The concrete bore sampling with a rotating wet coring device was conducted by Environova, LLC. of Novato on October 16, and 17, 2012. Each core sample of the concrete was a minimum size of 1.5" in diameter to a depth of at least 1", but no greater than 3" per the specifications of 40 CFR 761.286. Using a clean pair of nitrile gloves, Ms. Dagmar Fung of Cardno ATC retrieved each bore sample and placed it into a clean zip-lock plastic bag, labeled with a unique identification number. The sample information was listed onto the chain of custody (COC) [Appendix B]. The sealed samples were placed into an ice cold cooler for delivery to McCampbell Analytical, Inc. in Pittsburg, CA. McCampbell Analytical, Inc. is certified under the California State Environmental Laboratory accreditation Program, Certificate No. 1644, for PCB field of testing (Appendix C).

In addition, Alameda County representative, Chris Tougeron, was on site October 16, 2012 to observe the coring process. He requested that a soil sample be collected from the exposed soil adjacent to breached secondary containment tray in the transformer room. Environova collected three soil samples in 2"d x 6"l stainless steel sleeves representing a soil core from the surface to 6", 6" to 12" and 12" to 18" deep. Each soil sleeve was capped with plastic end caps and uniquely labeled. The sample information was listed onto the COC [Appendix B]. The sealed soil sleeve samples were placed into an ice cold cooler for delivery to McCampbell Analytical, Inc. in Pittsburg, CA.

[1] $L = \sqrt{A/n}$, where L = distance between points (5)
A = area (225)
n = number of samples (9)

Samples collected on October 16, 2012 were stored overnight under refrigeration and then placed back into the ice cold cooler while the remaining samples were collected on October 17, 2012. All collected samples were delivered to McCampbell Analytical on October 17, 2012 for PCB analysis under a rush turn-around time (TAT) of 24 hours after pulverization of the concrete bore sample.

Analytical Results

Table 1 summarizes the analytical results from the 26 concrete bore samples collected at the subject location on October 16, and 17, 2012. The formal laboratory analytical report is located in Appendix B.

Table 1 - Total PCB Results, Concrete Bores,1.5"d
EPA Method SW3550B (Extraction) and SS8082 (Analytical)

5750-5780 Hollis Street, Building A Basement
Emeryville, CA

Sampling Dates: October 16, and 17, 2012

Sampling Date Time, hrs	Site Location #	Sample ID #	≈ Concrete Bore Length (in 0.5" increments)	Total PCB Results (in ppm aka mg/kg)
10/16/12, 1514	1	001	1.5	0.80
10/16/12, 1200	2	002	1.5	<0.50
10/16/12,1205	3	003	2.0	5.0
10/16/12,1219	4	004	1.5	4.8
10/16/12,1509	**5**	**005**	**1.5**	**27**
10/16/12,1522	6	006	1.5	<0.50
10/17/12, 0700	7	007	1.0	<0.50
10/17/12, 0715	8	008	1.0	0.96
10/17/12, 0812	9	009	1.0	0.52
10/17/12, 0823	10	010	1.5	1.2
10/17/12, 0833	11	011	1.0	0.94
10/16/12, 1135	12	012	1.5	0.69
10/16/12, 1145	13	013	1.5	6.6
10/16/12, 1433	14	014	2.0	0.87
10/16/12, 1447	15	015	3.0	2.3
10/16/12, 1616	16	016	1.5	<0.50
10/16/12, 1707	17	017	2.0	<0.50
10/17/12, 0849	18	018	1.0	<0.50
10/17/12, 0740	19	019	1.0	<0.50
10/16/12, 1528	20	020	2.0	<0.50
10/16/12, 1535	21	021	2.5	<0.50
10/16/12, 1608	22	022	1.5	0.53
10/16/12, 1638	23	023	1.5	<0.50
10/17/12, 0650	24	024	1.0	1.6
10/16/12, 1549	25	025	2.0	<0.50
10/16/12, 1554	26	026	1.0	<0.50

Table 2 summarizes the analytical results from the three soil bore samples collected at the subject location on October 16, 2012. The formal laboratory analytical report is located in Appendix B.

Table 2 - Total PCB Results, Soil Bores, 2.0"d x 6"l
EPA Method SW3550B (Extraction) and SS8082 (Analytical)

5750-5780 Hollis Street, Building A Basement
Emeryville, CA

Sampling Date: October 16, 2012

Sampling Date Time, hrs	Site Location #	Sample ID #	Bore Depth	Total PCB Results (in ppm aka mg/kg)
10/16/2012 1245	**30**	**030**	**Surface to 6"**	**11,000**
10/16/2012 1300	**30**	**031**	**6" to 12"**	**3,000**
10/16/2012, 1312	30	032	12" to 18"	5.8

Discussion

PCB, Concrete

The analytical results from the pulverized concrete bore samples confirmed fourteen (14) of the 26 samples had detectable total PCBs in excess of the method's reporting limits. One (1) of these samples from site location #5 exceeded the EPA bulk PCB remediation waste cleanup level for low occupancy areas of 25 ppm as defined in the self-implementing provisions. None of the samples exceeded the California Department of Toxic Substances' total threshold limit concentration (TTLC) for PCB of 50 mg/kg under its toxicity criterion for hazardous waste.

PCB, Soil

The analytical results from the soil bore samples confirmed detectable levels of PCBs in all of the collected samples, representing soil from the surface to a depth of 18". The extent of the PCB contamination cannot be determined without removal of the concrete floor and more extensive soil sampling. After determining the extent of the PCBs in the soil, EPA does allow under its self-implementing provisions, on-site clean up using soil washing techniques as defined in 40 CFR 761.61(a)(5)(i), without their approval.

However, due to the presence of PCBs in the soil, Alameda County Environmental Health, Spills Leaks Investigation and Cleanup (SLIC) Program and the California State Water Resources Control Board must now be notified, since both have jurisdiction over chemical releases that have contaminated soil and/or groundwater. As part of your response actions to them, work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments will be required to address the PCB in soil, all relevant soil work must be performed by or under the direction of appropriately registered or certified technical professionals. All documents that contain site specific data, data interpretations, or recommendations must comply with requirements and include the professional registration stamp, signature and statement of professional certification of the preparer. Also a cover letter, signed by an officer or legally authorized representative of Archstone is required for all work plans, reports and technical documents provided pursuant the regulations that includes the following statement or equivalent: "I declare under penalty of perjury that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge."

Recommendations

Based on the findings of our site visits and the analytical results from our sampling, Cardno ATC recommends that the following actions be initiated:

- Provide notification and certification to EPA Region 9 of Archstone's intent to utilize the self-implementing provision for cleanup of the subject location per the requirements of 40 CFR 761.61(a)(3).
- Include this communication along with its Appendices as part of Archstone's notification,
- Include as part of Archstone's cleanup plan, the removal of the transformer room concrete floor, contents and walls for disposal as hazardous waste along the any of the initial cleanup debris and waste,
- Include as part of Archstone's cleanup plan, the removal of the concrete floor from the perimeter wall of the transformer room to six (6) feet beyond in the front and on the north side (Appendix A) and dispose of as hazardous waste,
- Include as part of Archstone's cleanup plan, the removal of the remaining concrete floor in the basement of the subject location which may be disposed of as non-hazardous waste,
- Maintain the required recordkeeping of the PCB incident and response information per 40 CFR 761.125(c)(5) [Appendix D] for a minimum of five (5) years, and
- Notify Alameda County Environmental Health, Spills Leaks Investigation and Cleanup (SLIC) Program and the California State Water Resources Control Board of the results of the soil sampling and proceed with cleanup response of soil under their jurisdiction.

Sincerely,

THE AMERICAN BOARD OF INDUSTRIAL HYGIENE INCORPORATED CERTIFICATION NUMBER 3263 CP EXPIRES 6-1-2014 PENNSYLVANIA 1960 DAGMAR FUNG, CIH

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for Cardno ATC
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Email: matthew.parker@cardno.com

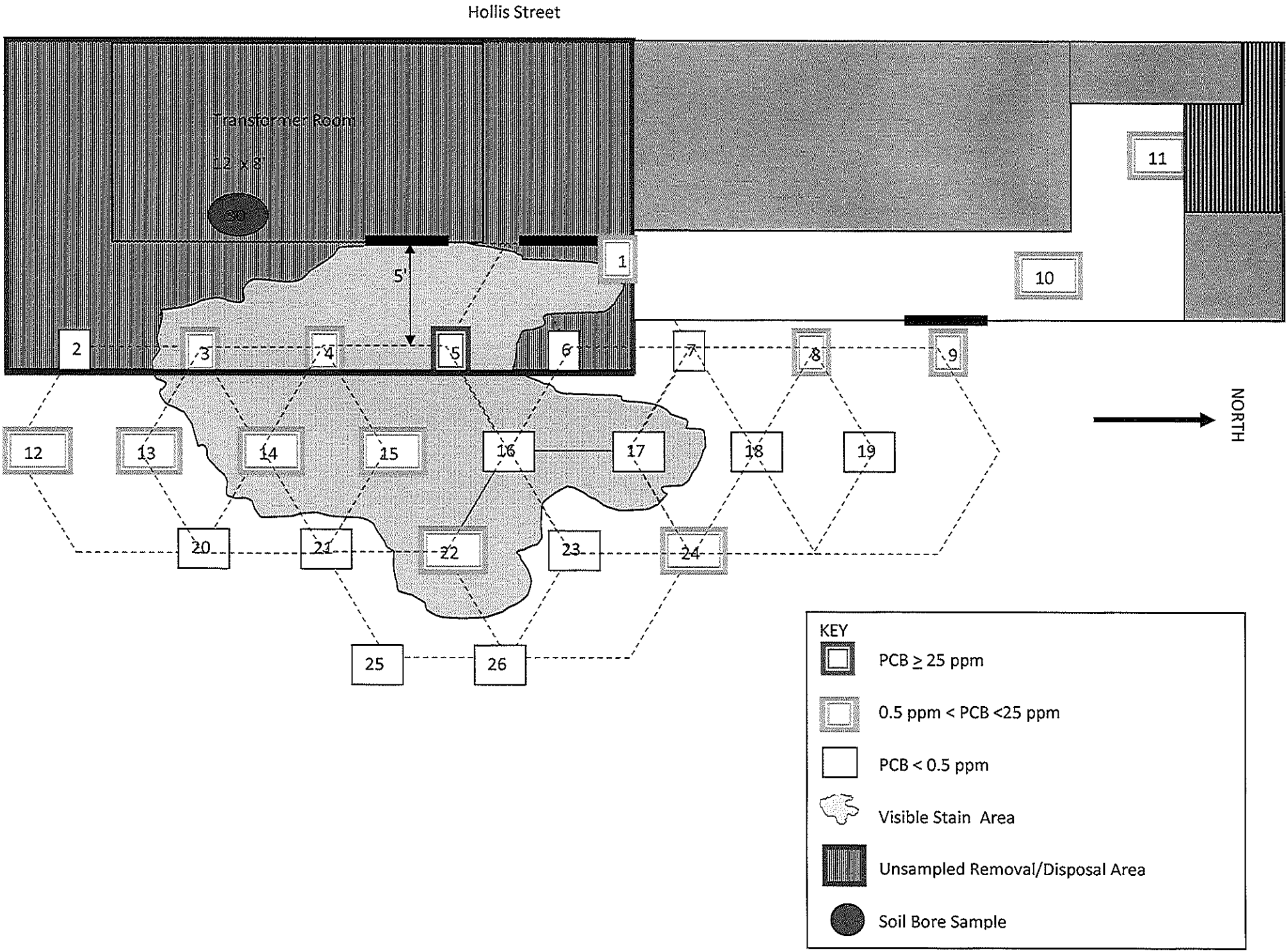
Enc: Appendix A – Concrete and Soil Bore Sampling Locations
Appendix B – Analytical Results and Chain of Custody
Appendix C – Analytical Laboratory Accreditation
Appendix D – 40 CFR 761.125 Recordkeeping Reference
Appendix E –- Photos

PCB Sampling Results and Response Actions
5750-5780 Hollis Street AKA Building A Basement
Project #75.75077.0004
October 24, 2012

Appendix A – Concrete and Soil Bore Sampling Locations

October 16, and 17, 2012

Concrete and Soil Bore Sampling Locations



Appendix B - Analytical Laboratory Report

Chain of Custody

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Cardno ATC	Client Project ID: #75.75077.0004; Parkside, Archstone	Date Sampled: 10/16/12-10/17/12
6602 Owens Drive, #100		Date Received: 10/17/12
	Client Contact: Dagmar Fung	Date Reported: 10/18/12
Pleasanton, CA 94588	Client P.O.:	Date Completed: 10/18/12

WorkOrder: 1210484

October 18, 2012

Dear Dagmar:

Enclosed within are:

1) The results of the **29** analyzed samples from your project: **#75.75077.0004; Parkside, Archstone,**
2) QC data for the above samples, and
3) A copy of the chain of custody.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

12/04/14 RUSH

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Dagmar Fung	Bill To: Maurice McKinnies
Company: Cardno ATC	
6602 Owens Drive, Ste. 100	
Pleasanton, CA 94588	E-Mail: fung75@atcassociates.com
Tele: (925) 580 - 2457	Fax: ( )
Project #: 75.75077.0004	Project Name: Parkside, Archstone
Project Location: Emeryville, CA	
Sampler Signature:	

SAMPLE ID Parkside Archstone Emeryville PCB ~~101512~~ 101612	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request	Other: Filter sample for DISSOLVED metals analysis	Other: PCB, EPA SWA, 3500B/3540C or 3500B/3550B	Comments
001			1514							X							X	PCB,
002			1200							X							X	PCB
003			1205							X							X	PCB
004			1209							X							X	PCB
005			1509							X							X	PCB
006			1522							X							X	PCB
007		10/7	0700							X							X	PCB
008		10/7	0715							X							X	PCB
009		10/7	0812							X							X	PCB
010		10/7	0823							X							X	PCB
011		10/7	0833							X							X	PCB

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
Dagmar Fung	10/7/12	1000Hrs	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/T 1 0 2 C
GOOD CONDITION YES
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

VOAS O&G METALS OTHER
PRESERVATION pH<2

COMMENTS: See pg 2

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Dagmar Fung	Bill To: Maurice McKinnies
Company: Cardno ATC	
6602 Owens Drive, Ste. 100	
Pleasanton, CA 94588	E-Mail: fung75@atcassociates.com
Tele: (925) 580 - 2457	Fax: ( )
Project #: 75.75077.0004	Project Name: Parkside, Archstone
Project Location: Emeryville, CA	
Sampler Signature:	

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other
Parkside Archstone Emeryvile PCB ~~8015/8021~~ 1612														
012			1135							X				
013			1145							X				
014			1433							X				
015			1457							X				
016			1616							X				
017		10/7/12	1307 ~~0825~~							X				
018		10/7/12	0849							X				
019		10/7/12	0940							X				
020			1528							X				
021			1535							X				
022			1608							X				

Analysis Request	Other	Comments
BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE; TPH as Diesel (8015); Total Petroleum Oil & Grease (1664 / 5520 E/B&F); Total Petroleum Hydrocarbons (418.1); EPA 502.2 / 601 / 8010 / 8021 (HVOCs); MTBE / BTEX ONLY (EPA 602 / 8021); EPA 505/ 608 / 8081 (Cl Pesticides); EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners; EPA 507 / 8141 (NP Pesticides); EPA 515 / 8151 (Acidic Cl Herbicides); EPA 524.2 / 624 / 8260 (VOCs); EPA 525.2 / 625 / 8270 (SVOCs); EPA 8270 SIM / 8310 (PAHs / PNAs); CAM 17 Metals (200.7 / 200.8 / 6010 / 6020); LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020); Lead (200.7 / 200.8 / 6010 / 6020)	Filter Sample for DISSOLVED metals analysis	PCB: EPA SW8, 3500B/3550C or 3500B/3550B	
		X	PCB
		X	PCB
		X	PCB
		X	PCB
		X	PCB
		X	PCB
		X	PCB
		X	PCB
		X	PCB
		X	PCB
		X	PCB
		X	PCB

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
Dagmar Fung	10/7/12	1000	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t_____
GOOD CONDITION YES
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

VOAS O&G METALS OTHER
PRESERVATION pH<2

COMMENTS:
Concrete cores provided (LS"1) 9 varying depths - Please pulverize for aliquot to sample

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Dagmar Fung	Bill To: Maurice McKinnies
Company: Cardno ATC	
6602 Owens Drive, Ste. 100	
Pleasanton, CA 94588	E-Mail: fung75@atcassociates.com
Tele: (925) 580 - 2457	Fax: ( )
Project #: 75.75077.0004	Project Name: Parkside, Archstone
Project Location: Emeryville, CA	
Sampler Signature:	

SAMPLE ID (Parkside Archstone Emeryville PCB ~~4015122~~ 201612-)	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request	Other	Comments
023			1638							X						X	PCB.
024		8/17/12	0650							X						X	PCB
025			1529							X						X	PCB
026			1554							X						X	PCB
027	Bank Bldg 59									X						X	PCB
028	Plant Lab		1600							X						X	PCB
029										X						X	PCB
030	0-6'		1240			X										X	PCB
031	6'-12'		1300			X										X	PCB
032	12'-18'		1317			X										X	PCB
033										X						X	PCB

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE
TPH as Diesel (8015)
Total Petroleum Oil & Grease (1664 / 5520 E/B&F)
Total Petroleum Hydrocarbons (418.1)
EPA 502.2 / 601 / 8010 / 8021 (HVOCs)
MTBE/ BTEX ONLY (EPA 602 / 8021)
EPA 505/ 608 / 8081 (Cl Pesticides)
EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners
EPA 507 / 8141 (NP Pesticides)
EPA 515 / 8151 (Acidic Cl Herbicides)
EPA 524.2 / 624 / 8260 (VOCs)
EPA 525.2 / 625 / 8270 (SVOCs)
EPA 8270 SIM / 8310 (PAHs / PNAs)
CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)
LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)
Lead (200.7 / 200.8 / 6010 / 6020)
Filter sample for DISSOLVED metals analysis
PCB: EPA SW8, 3500B/3546C or 3500B/3550B

**Indicate here if these samples are potentially dangerous to handle:

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
K Deaman Jacy	8/17/12	1800	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ____
GOOD CONDITION Yes
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____
APPROPRIATE CONTAINERS ____
PRESERVED IN LAB ____

VOAS O&G METALS OTHER
PRESERVATION pH<2

COMMENTS:
See Pg (2)

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1210484 **ClientCode: ATCE**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Dagmar Fung
Cardno ATC
6602 Owens Drive, #100
Pleasanton, CA 94588
(925) 460-5300 FAX: (925) 463-2559

Email: fung75@atcassociates.com
cc:
PO:
ProjectNo: #75.75077.0004; Parkside, Archstone

Bill to:
Accounts Payable
Cardno ATC
6602 Owens Drive
Pleasanton, CA 94588

Requested TAT: 1 day

Date Received: 10/17/2012
Date Printed: 10/17/2012

					Requested Tests (See legend below)											
Lab ID	**Client ID**	**Matrix**	**Collection Date**	**Hold**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
1210484-001	001	Solid	10/16/2012 15:14	☐		A	A									
1210484-002	002	Solid	10/16/2012 12:00	☐		A	A									
1210484-003	003	Solid	10/16/2012 12:05	☐		A	A									
1210484-004	004	Solid	10/16/2012 12:19	☐		A	A									
1210484-005	005	Solid	10/16/2012 15:09	☐		A	A									
1210484-006	006	Solid	10/16/2012 15:22	☐		A	A									
1210484-007	007	Solid	10/17/2012 7:00	☐		A	A									
1210484-008	008	Solid	10/17/2012 7:15	☐		A	A									
1210484-009	009	Solid	10/17/2012 8:12	☐		A	A									
1210484-010	010	Solid	10/17/2012 8:23	☐		A	A									
1210484-011	011	Solid	10/17/2012 8:33	☐		A	A									
1210484-012	012	Solid	10/16/2012 11:35	☐		A	A									
1210484-013	013	Solid	10/16/2012 11:45	☐		A	A									
1210484-014	014	Solid	10/16/2012 14:33	☐		A	A									
1210484-015	015	Solid	10/16/2012 14:47	☐		A	A									

Test Legend:

1	8082A_PCB_S	2	8082A_PCB_Solid	3	PRPulverization	4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1210484 **ClientCode: ATCE**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Dagmar Fung
Cardno ATC
6602 Owens Drive, #100
Pleasanton, CA 94588
(925) 460-5300 FAX: (925) 463-2559

Email: fung75@atcassociates.com
cc:
PO:
ProjectNo: #75.75077.0004; Parkside, Archstone

Bill to:
Accounts Payable
Cardno ATC
6602 Owens Drive
Pleasanton, CA 94588

Requested TAT: 1 day

Date Received: **10/17/2012**
Date Printed: **10/17/2012**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1210484-016	016	Solid	10/16/2012 16:16	☐		A	A									
1210484-017	017	Solid	10/16/2012 17:07	☐		A	A									
1210484-018	018	Solid	10/17/2012 8:49	☐		A	A									
1210484-019	019	Solid	10/17/2012 7:40	☐		A	A									
1210484-020	020	Solid	10/16/2012 15:28	☐		A	A									
1210484-021	021	Solid	10/16/2012 15:35	☐		A	A									
1210484-022	022	Solid	10/16/2012 16:08	☐		A	A									
1210484-023	023	Solid	10/16/2012 16:38	☐		A	A									
1210484-024	024	Solid	10/17/2012 6:50	☐		A	A									
1210484-025	025	Solid	10/16/2012 15:49	☐		A	A									
1210484-026	026	Solid	10/16/2012 15:54	☐		A	A									
1210484-027	030	Soil	10/16/2012 12:45	☐	A											
1210484-028	031	Soil	10/16/2012 13:00	☐	A											
1210484-029	032	Soil	10/16/2012 13:12	☐	A											

Test Legend:

1	8082A_PCB_S	2	8082A_PCB_Solid	3	PRPulverization	4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: **Cardno ATC**
Date and Time Received: **10/17/2012 10:26:32 AM**
Project Name: **#75.75077.0004; Parkside, Archstone**
LogIn Reviewed by: Melissa Valles
WorkOrder N°: **1210484** Matrix: Soil/Solid
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☐	No ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 16.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☐	No ☑	

** NOTE: If the "No" box is checked, see comments below.*

Comments:

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Cardno ATC 6602 Owens Drive, #100 Pleasanton, CA 94588	Client Project ID: #75.75077.0004; Parkside, Archstone	Date Sampled: 10/16/12
		Date Received: 10/17/12
	Client Contact: Dagmar Fung	Date Reported: 10/18/12
	Client P.O.:	Date Completed: 10/18/12

Work Order: 1210484

October 18, 2012

Case Narrative

All concrete samples were pulverized prior to extraction by EPA 3550B.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Cardno ATC	Client Project ID: #75.75077.0004; Parkside, Archstone	Date Sampled: 10/16/12
		Date Received: 10/17/12
6602 Owens Drive, #100	Client Contact: Dagmar Fung	Date Extracted: 10/17/12
Pleasanton, CA 94588	Client P.O.:	Date Analyzed: 10/18/12

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550B | Analytical Method: SW8082 | Work Order: 1210484

Lab ID	1210484-027A	1210484-028A	1210484-029A		Reporting Limit for DF =1	
Client ID	030	031	032			
Matrix	S	S	S			
DF	5000	1000	5		S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND<2500	ND<500	ND<2.5		0.05	NA
Aroclor1221	ND<2500	ND<500	ND<2.5		0.05	NA
Aroclor1232	ND<2500	ND<500	ND<2.5		0.05	NA
Aroclor1242	ND<2500	ND<500	ND<2.5		0.05	NA
Aroclor1248	ND<2500	ND<500	ND<2.5		0.05	NA
Aroclor1254	ND<2500	ND<500	ND<2.5		0.05	NA
Aroclor1260	11,000	3000	5.8		0.05	NA
PCBs, total	11,000	3000	5.8		0.05	NA
Surrogate Recoveries (%)						
%SS:	---#	---#	70			
Comments	h4	h4	h4			

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Cardno ATC	Client Project ID: #75.75077.0004; Parkside, Archstone	Date Sampled: 10/16/12-10/17/12
		Date Received: 10/17/12
6602 Owens Drive, #100	Client Contact: Dagmar Fung	Date Extracted: 10/17/12
Pleasanton, CA 94588	Client P.O.:	Date Analyzed: 10/17/12-10/18/12

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550B | Analytical Method: SW8082 | Work Order: 1210484

Lab ID	1210484-001A	1210484-002A	1210484-003A	1210484-004A	Reporting Limit for DF =1	
Client ID	001	002	003	004		
Matrix	S	S	S	S		
DF	1	1	1	2	S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND<0.50	ND<0.50	ND<0.50	ND<1.0	0.05	NA
Aroclor1221	ND<0.50	ND<0.50	ND<0.50	ND<1.0	0.05	NA
Aroclor1232	ND<0.50	ND<0.50	ND<0.50	ND<1.0	0.05	NA
Aroclor1242	ND<0.50	ND<0.50	ND<0.50	ND<1.0	0.05	NA
Aroclor1248	ND<0.50	ND<0.50	ND<0.50	ND<1.0	0.05	NA
Aroclor1254	ND<0.50	ND<0.50	ND<0.50	ND<1.0	0.05	NA
Aroclor1260	0.80	ND<0.50	5.0	4.8	0.05	NA
PCBs, total	0.80	ND<0.50	5.0	4.8	0.05	NA
Surrogate Recoveries (%)						
%SS:	92	90	95	79		
Comments	h4	h4	h4	h4		

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Cardno ATC	Client Project ID: #75.75077.0004; Parkside, Archstone	Date Sampled: 10/16/12-10/17/12
		Date Received: 10/17/12
6602 Owens Drive, #100	Client Contact: Dagmar Fung	Date Extracted: 10/17/12
Pleasanton, CA 94588	Client P.O.:	Date Analyzed: 10/17/12-10/18/12

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550B | Analytical Method: SW8082 | Work Order: 1210484

Lab ID	1210484-005A	1210484-006A	1210484-007A	1210484-008A	Reporting Limit for DF =1	
Client ID	005	006	007	008		
Matrix	S	S	S	S		
DF	10	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND<5.0	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1221	ND<5.0	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1232	ND<5.0	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1242	ND<5.0	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1248	ND<5.0	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1254	ND<5.0	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1260	27	ND<0.50	ND<0.50	0.96	0.05	NA
PCBs, total	27	ND<0.50	ND<0.50	0.96	0.05	NA
Surrogate Recoveries (%)						
%SS:	101	95	105	101		
Comments	h4	h4	h4	h4		

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Cardno ATC	Client Project ID: #75.75077.0004; Parkside, Archstone	Date Sampled: 10/16/12-10/17/12
		Date Received: 10/17/12
6602 Owens Drive, #100	Client Contact: Dagmar Fung	Date Extracted: 10/17/12
Pleasanton, CA 94588	Client P.O.:	Date Analyzed: 10/17/12-10/18/12

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550B | Analytical Method: SW8082 | Work Order: 1210484

Lab ID	1210484-009A	1210484-010A	1210484-011A	1210484-012A	Reporting Limit for DF =1	
Client ID	009	010	011	012		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1221	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1232	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1242	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1248	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1254	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1260	0.52	1.2	0.94	0.69	0.05	NA
PCBs, total	0.52	1.2	0.94	0.69	0.05	NA
Surrogate Recoveries (%)						
%SS:	103	98	94	104		
Comments	h4	h4	h4	h4		

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Cardno ATC	Client Project ID: #75.75077.0004; Parkside, Archstone	Date Sampled: 10/16/12-10/17/12
		Date Received: 10/17/12
6602 Owens Drive, #100	Client Contact: Dagmar Fung	Date Extracted: 10/17/12
Pleasanton, CA 94588	Client P.O.:	Date Analyzed: 10/17/12-10/18/12

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550B | Analytical Method: SW8082 | Work Order: 1210484

Lab ID	1210484-013A	1210484-014A	1210484-015A	1210484-016A	Reporting Limit for DF =1	
Client ID	013	014	015	016		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1221	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1232	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1242	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1248	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1254	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1260	6.6	0.87	2.3	ND<0.50	0.05	NA
PCBs, total	6.6	0.87	2.3	ND<0.50	0.05	NA
Surrogate Recoveries (%)						
%SS:	92	85	92	94		
Comments	h4	h4	h4	h4		

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Cardno ATC	Client Project ID: #75.75077.0004; Parkside, Archstone	Date Sampled: 10/16/12-10/17/12
		Date Received: 10/17/12
6602 Owens Drive, #100	Client Contact: Dagmar Fung	Date Extracted: 10/17/12
Pleasanton, CA 94588	Client P.O.:	Date Analyzed: 10/17/12-10/18/12

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550B | Analytical Method: SW8082 | Work Order: 1210484

Lab ID	1210484-017A	1210484-018A	1210484-019A	1210484-020A	Reporting Limit for DF =1	
Client ID	017	018	019	020		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1221	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1232	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1242	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1248	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1254	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1260	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
PCBs, total	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Surrogate Recoveries (%)						
%SS:	91	95	102	94		
Comments	h4	h4	h4	h4		

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

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Cardno ATC	Client Project ID: #75.75077.0004; Parkside, Archstone	Date Sampled: 10/16/12-10/17/12
		Date Received: 10/17/12
6602 Owens Drive, #100	Client Contact: Dagmar Fung	Date Extracted: 10/17/12
Pleasanton, CA 94588	Client P.O.:	Date Analyzed: 10/17/12-10/18/12

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550B | Analytical Method: SW8082 | Work Order: 1210484

Lab ID	1210484-021A	1210484-022A	1210484-023A	1210484-024A	Reporting Limit for DF =1	
Client ID	021	022	023	024		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1221	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1232	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1242	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1248	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1254	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.05	NA
Aroclor1260	ND<0.50	0.53	ND<0.50	1.6	0.05	NA
PCBs, total	ND<0.50	0.53	ND<0.50	1.6	0.05	NA
Surrogate Recoveries (%)						
%SS:	91	102	105	102		
Comments	h4	h4	h4	h4		

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

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Cardno ATC	Client Project ID: #75.75077.0004; Parkside, Archstone	Date Sampled: 10/16/12-10/17/12
		Date Received: 10/17/12
6602 Owens Drive, #100	Client Contact: Dagmar Fung	Date Extracted: 10/17/12
Pleasanton, CA 94588	Client P.O.:	Date Analyzed: 10/17/12-10/18/12

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550B | Analytical Method: SW8082 | Work Order: 1210484

Lab ID	1210484-025A	1210484-026A			Reporting Limit for DF =1	
Client ID	025	026				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND<0.50	ND<0.50			0.05	NA
Aroclor1221	ND<0.50	ND<0.50			0.05	NA
Aroclor1232	ND<0.50	ND<0.50			0.05	NA
Aroclor1242	ND<0.50	ND<0.50			0.05	NA
Aroclor1248	ND<0.50	ND<0.50			0.05	NA
Aroclor1254	ND<0.50	ND<0.50			0.05	NA
Aroclor1260	ND<0.50	ND<0.50			0.05	NA
PCBs, total	ND<0.50	ND<0.50			0.05	NA
Surrogate Recoveries (%)						
%SS:	100	101				
Comments	h4	h4				

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

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QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid | QC Matrix: Soil | BatchID: 71664 | WorkOrder: 1210484

EPA Method: SW8082 | **Extraction: SW3550B** | **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Aroclor1260	N/A	0.15	N/A	N/A	N/A	96.4	N/A	N/A	70 - 130
%SS:	N/A	0.050	N/A	N/A	N/A	76	N/A	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 71664 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1210484-001A	10/16/12 3:14 PM	10/17/12	10/17/12 10:41 PM	1210484-002A	10/16/12 12:00 PM	10/17/12	10/17/12 11:19 PM
1210484-003A	10/16/12 12:05 PM	10/17/12	10/17/12 11:57 PM	1210484-004A	10/16/12 12:19 PM	10/17/12	10/18/12 10:20 AM
1210484-005A	10/16/12 3:09 PM	10/17/12	10/18/12 10:58 AM	1210484-006A	10/16/12 3:22 PM	10/17/12	10/18/12 1:52 AM
1210484-007A	10/17/12 7:00 AM	10/17/12	10/18/12 1:43 AM	1210484-008A	10/17/12 7:15 AM	10/17/12	10/17/12 11:24 PM
1210484-009A	10/17/12 8:12 AM	10/17/12	10/18/12 2:18 AM	1210484-010A	10/17/12 8:23 AM	10/17/12	10/17/12 11:59 PM
1210484-011A	10/17/12 8:33 AM	10/17/12	10/18/12 2:30 AM	1210484-012A	10/16/12 11:35 AM	10/17/12	10/18/12 2:53 AM
1210484-013A	10/16/12 11:45 AM	10/17/12	10/17/12 10:41 PM	1210484-014A	10/16/12 2:33 PM	10/17/12	10/17/12 10:03 PM
1210484-015A	10/16/12 2:47 PM	10/17/12	10/17/12 11:19 PM	1210484-016A	10/16/12 4:16 PM	10/17/12	10/18/12 12:35 AM
1210484-017A	10/16/12 5:07 PM	10/17/12	10/17/12 11:57 PM	1210484-018A	10/17/12 8:49 AM	10/17/12	10/18/12 1:52 AM
1210484-019A	10/17/12 7:40 AM	10/17/12	10/18/12 1:09 AM	1210484-020A	10/16/12 3:28 PM	10/17/12	10/18/12 1:14 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Soil/Solid | QC Matrix: Soil | BatchID: 71665 | WorkOrder: 1210484

EPA Method: SW8082 | **Extraction: SW3550B** | **Spiked Sample ID: 1210490-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Aroclor1260	ND	0.15	95.5	97.8	2.33	91.9	70 - 130	30	70 - 130
%SS:	77	0.050	88	91	3.33	71	70 - 130	30	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 71665 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1210484-021A	10/16/12 3:35 PM	10/17/12	10/18/12 2:30 AM	1210484-022A	10/16/12 4:08 PM	10/17/12	10/18/12 3:27 AM
1210484-023A	10/16/12 4:38 PM	10/17/12	10/18/12 5:11 AM	1210484-024A	10/17/12 6:50 AM	10/17/12	10/18/12 5:45 AM
1210484-025A	10/16/12 3:49 PM	10/17/12	10/18/12 6:19 AM	1210484-026A	10/16/12 3:54 PM	10/17/12	10/18/12 12:34 AM
1210484-027A	10/16/12 12:45 PM	10/17/12	10/18/12 12:07 PM	1210484-028A	10/16/12 1:00 PM	10/17/12	10/18/12 4:15 PM
1210484-029A	10/16/12 1:12 PM	10/17/12	10/18/12 10:58 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

Appendix C - Analytical Laboratory's State of California Accreditation

(PCB Field of Testing, page 11)

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

McCampbell Analytical, Inc.

1534 Willow Pass Road

Pittsburg, CA 94565

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1644**

Expiration Date: **10/31/2013**

Effective Date: **11/01/2011**

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

Richmond, California
subject to forfeiture or revocation

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

McCampbell Analytical, Inc.
1534 Willow Pass Road
Pittsburg, CA 94565
Phone: (925) 252-9262

Certificate No.: 1644
Renew Date: 10/31/2011

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM9215B
101.011	001	Heterotrophic Bacteria	SimPlate
101.020	001	Total Coliform	SM9221A,B
101.021	001	Fecal Coliform	SM9221E (MTF/EC)
101.022	001	E. coli	CFR 141.21(f)(6)(i) (MTF/EC+MUG)
101.050	001	Total Coliform	SM9222A,B,C
101.051	001	Fecal Coliform	SM9221E (MF/EC)
101.060	002	Total Coliform	SM9223
101.060	003	E. coli	SM9223
101.120	001	Total Coliform (Enumeration)	SM9221A,B,C
101.130	001	Fecal Coliform (Enumeration)	SM9221E (MTF/EC)
101.131	001	Fecal Coliform (Enumeration)	SM9221E (A-1)
101.140	001	Total Coliform (Enumeration)	SM9222A,B,C
101.150	001	Fecal Coliform (Enumeration)	SM9222D
101.160	001	Total Coliform (Enumeration)	SM9223
101.200	001	E. coli (Enumeration)	SM9223B
101.210	001	E. coli (Enumeration)	SM9221B.1/SM9221F

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.030	001	Bromide	EPA 300.0
102.030	002	Chlorate	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	004	Chlorite	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate	EPA 300.0
102.030	007	Nitrite	EPA 300.0
102.030	008	Phosphate, Ortho	EPA 300.0
102.030	010	Sulfate	EPA 300.0
102.040	001	Bromide	EPA 300.1
102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1
102.040	004	Bromate	EPA 300.1
102.040	005	Chloride	EPA 300.1
102.040	006	Fluoride	EPA 300.1
102.040	007	Nitrate	EPA 300.1
102.040	008	Nitrite	EPA 300.1

As of 10/14/2011 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.040	009	Phosphate, Ortho	EPA 300.1
102.040	010	Sulfate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.050	001	Cyanide	EPA 335.4
102.100	001	Alkalinity	SM2320B
102.120	001	Hardness	SM2340B
102.121	001	Hardness	SM2340C
102.130	001	Conductivity	SM2510B
102.140	001	Total Dissolved Solids	SM2540C
102.145	001	Total Dissolved Solids	EPA 160.1
102.190	001	Cyanide, Total	SM4500-CN E
102.192	001	Cyanide, amenable	SM4500-CN G
102.260	001	Total Organic Carbon	SM5310B
102.261	001	DOC	SM5310B
102.261	002	TOC/DOC	SM5310B
102.270	001	Surfactants	SM5540C
102.280	001	UV254	SM5910B
102.520	001	Calcium	EPA 200.7
102.520	002	Magnesium	EPA 200.7
102.520	003	Potassium	EPA 200.7
102.520	004	Silica	EPA 200.7
102.520	005	Sodium	EPA 200.7
102.520	006	Hardness (calc.)	EPA 200.7
102.543	002	Silica	SM4500-SiO2 D
102.549	002	Chlorine, Free, Combined, Total	SM4500-Cl D
102.552	002	Chlorine, Total	SM4500-Cl E
102.555	003	TOC/DOC	EPA 415.3
102.563	001	Cyanide	Kelada-01

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8

103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	011	Mercury	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.150	002	Antimony	EPA 200.9
103.150	003	Arsenic	EPA 200.9
103.150	009	Lead	EPA 200.9
103.150	012	Selenium	EPA 200.9
103.150	014	Thallium	EPA 200.9
103.161	001	Mercury	EPA 245.2
103.310	001	Chromium (VI)	EPA 218.6

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane	EPA 504.1
104.030	003	1,2,3-Trichloropropane	EPA 504.1
104.035	001	1,2,3-Trichloropropane	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2

104.040	025	1,1-Dichloroethene	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethene	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.045	005	Trihalomethanes	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	004	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	005	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	006	Trichlorotrifluoroethane	EPA 524.2
104.050	007	tert-Butyl Alcohol (TBA)	EPA 524.2
104.050	008	Carbon Disulfide	EPA 524.2
104.050	009	Methyl Isobutyl Ketone	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.010	000	Pesticides	EPA 505
105.010	002	Alachlor	EPA 505
105.010	003	Atrazine	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505

105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	013	Simazine	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	007	Molinate	EPA 507
105.030	009	Simazine	EPA 507
105.030	010	Thiobencarb	EPA 507
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	009	Chlorinated Acids	EPA 515.3
105.090	001	Alachlor	EPA 525.2
105.090	003	Atrazine	EPA 525.2
105.090	004	Benzo(a)pyrene	EPA 525.2
105.090	008	Di(2-ethylhexyl) Adipate	EPA 525.2
105.090	009	Di(2-ethylhexyl) Phthalate	EPA 525.2
105.090	016	Hexachlorobenzene	EPA 525.2
105.090	017	Hexachlorocyclopentadiene	EPA 525.2
105.090	022	Molinate	EPA 525.2
105.090	023	Pentachlorophenol	EPA 525.2
105.090	025	Simazine	EPA 525.2
105.090	029	Polynuclear Aromatic Hydrocarbons	EPA 525.2
105.090	030	Adipates	EPA 525.2
105.090	031	Phthalates	EPA 525.2
105.090	032	Other Extractables	EPA 525.2
105.100	000	Carbamates	EPA 531.1
105.100	005	Carbofuran	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.101	001	Carbofuran	EPA 531.2
105.101	002	Oxamyl	EPA 531.2
105.101	003	Aldicarb	EPA 531.2
105.101	004	Aldicarb Sulfone	EPA 531.2

105.101	005	Aldicarb Sulfoxide	EPA 531.2
105.101	006	Carbaryl	EPA 531.2
105.101	007	3-Hydroxycarbofuran	EPA 531.2
105.101	008	Methomyl	EPA 531.2
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	004	Dalapon	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2
Field of Testing: 106 - Radiochemistry of Drinking Water			
106.092	001	Uranium	EPA 200.8
Field of Testing: 107 - Microbiology of Wastewater			
107.010	001	Heterotrophic Bacteria	SM9215B
107.020	001	Total Coliform	SM9221B
107.040	001	Fecal Coliform	SM9221C,E (MTF/EC)
107.041	001	Fecal Coliform	SM9221C,E (A-1)
107.060	001	Total Coliform	SM9222B
107.080	001	Fecal Coliform	SM9222D
107.100	001	Fecal Streptococci	SM9230B
107.100	002	Enterococci	SM9230B
107.242	001	Enterococci	Enterolert
107.245	001	E. coli	SM9223
Field of Testing: 108 - Inorganic Chemistry of Wastewater			
108.020	001	Conductivity	EPA 120.1
108.090	001	Residue, Volatile	EPA 160.4
108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (calc.)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	004	Nitrate	EPA 300.0
108.120	005	Nitrite	EPA 300.0
108.120	006	Nitrate-nitrite	EPA 300.0

108.120	007	Phosphate, Ortho	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.121	001	Bromide	EPA 300.1
108.121	002	Chloride	EPA 300.1
108.121	003	Fluoride	EPA 300.1
108.121	004	Nitrate	EPA 300.1
108.121	005	Nitrite	EPA 300.1
108.121	006	Nitrate-nitrite	EPA 300.1
108.121	007	Phosphate, Ortho	EPA 300.1
108.121	008	Sulfate	EPA 300.1
108.141	001	Alkalinity	EPA 310.2
108.183	001	Cyanide, Total	EPA 335.4
108.200	001	Ammonia	EPA 350.1
108.211	001	Kjeldahl Nitrogen	EPA 351.2
108.261	001	Phosphorus, Total	EPA 365.1
108.263	001	Phosphorus, Total	EPA 365.2
108.264	001	Phosphate, Ortho	EPA 365.3
108.265	001	Phosphorus, Total	EPA 365.3
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.350	001	Total Recoverable Petroleum Hydrocarbons	EPA 418.1
108.360	001	Phenols, Total	EPA 420.1
108.362	001	Phenols, Total	EPA 420.4
108.381	001	Oil and Grease	EPA 1664A
108.390	001	Turbidity	SM2130B
108.400	001	Acidity	SM2310B
108.410	001	Alkalinity	SM2320B
108.420	001	Hardness (calc.)	SM2340B
108.421	001	Hardness	SM2340C
108.430	001	Conductivity	SM2510B
108.440	001	Residue, Total	SM2540B
108.441	001	Residue, Filterable	SM2540C
108.442	001	Residue, Non-filterable	SM2540D
108.443	001	Residue, Settleable	SM2540F
108.462	001	Chlorine	SM4500-Cl D
108.463	001	Chlorine	SM4500-Cl E
108.465	001	Chlorine	SM4500-Cl G
108.470	001	Cyanide, Manual Distillation	SM4500-CN C
108.472	001	Cyanide, Total	SM4500-CN E
108.473	001	Cyanide, amenable	SM4500-CN G
108.490	001	pH	SM4500-H+ B
108.531	001	Dissolved Oxygen	SM4500-O G
108.590	001	Biochemical Oxygen Demand	SM5210B
108.591	001	Carbonaceous BOD	SM5210B

108.602	001	Chemical Oxygen Demand	SM5220D
108.610	001	Total Organic Carbon	SM5310B
108.630	001	Oil and Grease	SM5520B (20th)
108.640	001	Surfactants	SM5540C
108.650	001	Tannin and Lignin	SM5550B (18th/19th)
108.924	001	Cyanide	Kelada-01
108.924	002	Cyanide, amenable	Kelada-01

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8

109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.025	002	Antimony	EPA 200.9
109.025	003	Arsenic	EPA 200.9
109.025	010	Lead	EPA 200.9
109.025	013	Selenium	EPA 200.9
109.025	015	Thallium	EPA 200.9
109.101	017	Nickel	EPA 200.7
109.104	001	Chromium (VI)	EPA 218.6
109.191	001	Mercury	EPA 245.2
109.361	001	Mercury	EPA 1631E

Field of Testing: 110 - Volatile Organic Chemistry of Wastewater

110.020	000	Aromatic Volatiles	EPA 602
110.040	040	Halogenated Hydrocarbons	EPA 624
110.040	041	Aromatic Compounds	EPA 624
110.040	042	Oxygenates	EPA 624
110.040	043	Other Volatile Organics	EPA 624

Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater

111.060	000	Polynuclear Aromatics	EPA 610
111.090	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 613
111.101	030	Pesticides	EPA 625
111.101	032	Polynuclear Aromatic Hydrocarbons	EPA 625
111.101	033	Adipates	EPA 625
111.101	034	Phthalates	EPA 625
111.101	036	Other Extractables	EPA 625
111.170	030	Organochlorine Pesticides	EPA 608
111.170	031	PCBs	EPA 608

Field of Testing: 113 - Whole Effluent Toxicity of Wastewater

113.010	001A	Fathead Minnow (P. promelas)	EPA 600/4-90/027F, Static
113.010	001B	Fathead Minnow (P. promelas)	EPA 600/4-90/027F, Static Renewal
113.010	003A	Rainbow trout (O. mykiss)	EPA 600/4-90/027F, Static
113.010	003B	Rainbow trout (O. mykiss)	EPA 600/4-90/027F, Static Renewal
113.021	001A	Fathead Minnow (P. promelas)	EPA 2000 (EPA-821-R-02-012), Static
113.021	001B	Fathead Minnow (P. promelas)	EPA 2000 (EPA-821-R-02-012), Static Renewal
113.022	003A	Rainbow trout (O. mykiss)	EPA 2019 (EPA-821-R-02-012), Static
113.022	003B	Rainbow trout (O. mykiss)	EPA 2019 (EPA-821-R-02-012), Static Renewal
113.026	011A	Sheepshead minnow (C. variegatus)	EPA 2004 (EPA-821-R-02-012), Static
113.026	011B	Sheepshead minnow (C. variegatus)	EPA 2004 (EPA-821-R-02-012), Static Renewal

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	003	Barium	EPA 6010B

114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	EPA 6010B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.025	001	Mercury	EPA 6020A
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470A
114.141	001	Mercury	EPA 7471A
114.221	001	Cyanide, Total	EPA 9012A
114.230	001	Sulfides, Total	EPA 9034
114.240	001	Corrosivity - pH Determination	EPA 9040B
114.241	001	Corrosivity - pH Determination	EPA 9045C
114.280	001	Organic Lead	HML 939-M

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.030	001	Gasoline-range Organics	EPA 8015B
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021B
116.040	062	BTEX	EPA 8021B
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	120	Oxygenates	EPA 8260B
116.090	000	Acrylamide, Acrylonitrile, Acrolein	EPA 8316
116.100	010	BTEX and MTBE	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline	LUFT

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.017	001	TRPH Screening	EPA 418.1
117.110	000	Extractable Organics	EPA 8270C
117.111	070	PCBs	EPA 8270C
117.111	071	Pesticides	EPA 8270C
117.120	000	Dioxins and Dibenzofurans	EPA 8280A
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.150	000	Carbonyl Compounds	EPA 8315A
117.171	000	Nitroaromatics and Nitramines	EPA 8330A
117.210	000	Organochlorine Pesticides	EPA 8081A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141A
117.250	000	Chlorinated Herbicides	EPA 8151A
117.270	000	Carbamates, N-methylcarbamates	EPA 8318

Field of Testing: 119 - Toxicity Bioassay of Hazardous Waste

119.010	001	Fathead Minnow (P. promelas)	Polisini & Miller (CDFG 1988)

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.040	001	Reactive Cyanide	Section 7.3 SW-846
120.050	001	Reactive Sulfide	Section 7.3 SW-846
120.070	001	Corrosivity - pH Determination	EPA 9040B
120.080	001	Corrosivity - pH Determination	EPA 9045C

Field of Testing: 125 - Organic Chemistry of Pesticide Residues in Food (excluding GC/MS)

125.01	001	Pesticide Residues	non-MS
125.02	001	Halogenated Pesticide Residues	non-MS
125.03	001	Organophosphorus Pesticide Residues	non-MS
125.04	001	N-methyl Carbamate Pesticide Residues	non-MS

Field of Testing: 126 - Microbiology of Recreational Water

126.020	001	Total Coliform (Enumeration)	SM9222A,B
126.050	001	Total Coliform and E. coli	SM9223
126.080	001	Enterococci	IDEXX

As of 10/14/2011, this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

Appendix D – CFR 761.125 Recordkeeping

Recordkeeping

Requirements for cleanup of high-concentration spills shall be considered complete when all of the immediate requirements, cleanup standards, sampling, and recordkeeping requirements of 40 CFR 761.125 (c)(1) through (5) of are met.

The records and certification must be maintained for a period of 5 years and shall consist of the following:

(i) Identification of the source of the spill (e.g., type of equipment).

(ii) Estimated or actual date and time of the spill occurrence.

(iii) The date and time cleanup was completed or terminated (if cleanup was delayed by emergency or adverse weather: the nature and duration of the delay).

(iv) A brief description of the spill location.

(v) Precleanup sampling data used to establish the spill boundaries if required because of insufficient visible traces, and a brief description of the sampling methodology used to establish the spill boundaries.

(vi) A brief description of the solid surfaces cleaned and of the double wash/rinse method used.

(vii) Approximate depth of soil excavation and the amount of soil removed.

(viii) A certification statement signed by the responsible party stating that the cleanup requirements have been met and that the information contained in the record is true to the best of his/her knowledge.

(ix) While not required for compliance with the policy, the following information would be useful if maintained in the records:

(A) Additional pre- or post-cleanup sampling.

(B) The estimated cost of the cleanup by man-hours, dollars, or both.

Appendix E - Photos

Photo 1 - Concrete Rotating Bore Drill

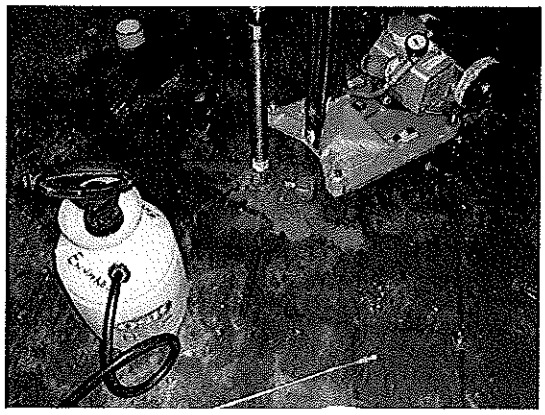
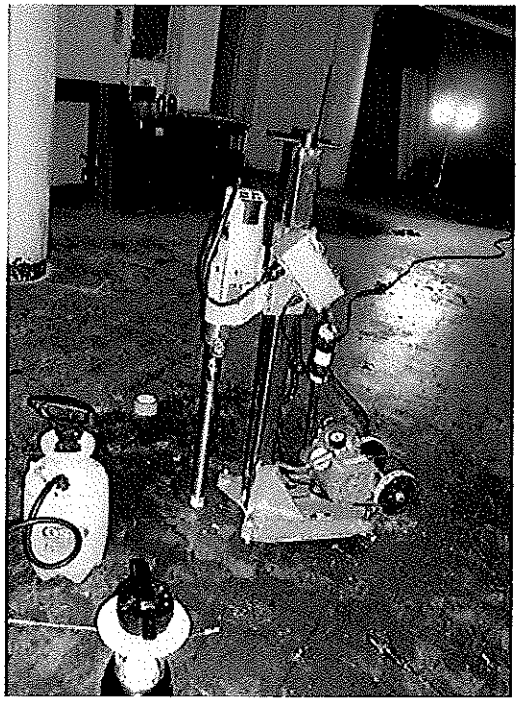


Photo 2 - Concrete Rotating Bore Drill
Note: Water on floor in background from overhead pipe leak



ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

October 19, 2012

Mr. Dan Emerson – Production Manager
Archstone
807 Broadway, Suite 210
Oakland, CA 94607
deemerson@archstonemail.com

DEPARTMENT OF ENVIRONMENTAL HEALTH
Certified Unified Program Agency (CUPA)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

NOTICE OF CORRECTIVE ACTION

Subject: API Emeryville Parkside, LLC., 5750-5780 Hollis Street, Emeryville, CA 94608

Dear Mr. Emerson:

Alameda County Department of Environmental Health (ACDEH) received a notification from the California Emergency Management Agency (Cal EMA), Hazardous Materials Spill Report #12-6116, on October 10, 2012 regarding Polychlorinated Biphenyls (PCB) transformer oil spilled onto a concrete surface and related emergency cleanup performed at the subject site.

On October 11 and 12, 2012 follow-up site inspections were performed by ACDEH. Information obtained during the site inspections and subsequent phone conversations with Dan Emerson from Archstone, Daryl Bruce from Build Group, Carmen Santos from Federal Environmental Protection Agency (EPA), Kent Olsen from Enviroserve, and Dagmar Fung Cardno from, ATC, indicated that approximately 120 gallons of PCB oil was spilled onto the concrete and potentially onto soil. Upon discovery of the release, Archstone contacted Enviroserve to begin cleanup activities of the PCB transformer oil. Previous testing of the transformer oil determined the PCB concentrations to be 850,000 parts per million (ppm).

ACDEH has received, via email, a brief summary of events and a guidance document prepared by Cardno ATC (attached). The proposed guidance document was approved by ACDEH in order to immediately begin the site assessment and determine the extent of contamination. On October 16, 2012 ACDEH was at the site to witness the initial concrete and soil sampling per the proposed guidance document.

A written scope of work shall be submitted to this office for review and approval prior to the start of additional cleanup/remediation. At a minimum, the following shall be included in the work plan; a sampling plan, the constituents to be analyzed, the name of the laboratory where samples will be analyzed, disposal site for the contaminated materials, and proposed soil characterization and remediation activities. Confirmation sampling shall be witnessed by a representative of this office.

The investigation /cleanup activities at the site requires ACDEH oversight. We will require an oversight account for the above referenced site. To set up your account, please send a check in the amount of $5000.00 payable to: *Alameda County Department of Environmental Health.* Please include the site address on the check and Facility ID # 0317796. This initial deposit may or may not be sufficient to provide all necessary regulatory oversight. ACDEH will deduct actual costs incurred based upon the hourly rate of $150.00 per hour specified in Section 6.92.040L of the Alameda County Ordinance Code. If these funds are insufficient, additional deposit will be requested. Otherwise, any unused monies will be refunded to you or your designee.

Please contact me at (510) 567-6804 if you have any questions about this matter.

Sincerely,

Chris Tougeron
Sr. Hazardous Materials Specialist

cc: Susan Hugo, Manager, ACDEH
Barney Chan, Sr. HMS, ACDEH
Mark Detterman, Sr. HMS ACDEH
Jackie Jacobs, ACDEH Finance Department