May 13, 2009

ADDITIONAL EXCAVATION REPORT

796 66th Avenue
Oakland, California

Project No. 278361

Prepared For

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1.0 INTRODUCTION

AEI Consultants (AEI) has prepared this report to document the excavation of impacted soil at 796 66th Avenue in Oakland, California (Figure 1: Site Location Map). The work was performed at the request of the Alameda County Environmental Health (ACEH) as outlined in AEI excavation work plan dated February 4, 2009. The work plan was approved by Jerry Wickham, ACEH on February 6, 2009. The excavation location is shown in Figure 2: Site Plan and Figure 3: Sample Location Map.

AEI was contracted to excavate hydrocarbon and methyl tertiary butyl ether (MTBE) impacted soil, to dispose of the soil, perform confirmation soil sampling and analysis, backfill, and restore the excavation.

2.0 SITE DESCRIPTION

The site is currently occupied by Cruise America, a recreational vehicle (RV) rental facility. The property is approximately five acres in size. Currently, two buildings exist on the site, surrounded by paved vehicle storage areas. The buildings consist of an office building located on the eastern side of the property and a service building located centrally on the property (Figure 2). Cruise America acquired the property from McGuire Hester, a construction company, in August 1988.

2.1 Initial Investigation

In July 2001, AEI performed a Phase II investigation on the site that included advancing six (6) soil borings (SB-1 through SB-6). The investigation was performed to assess whether the soil or groundwater beneath the site was impacted in the areas of two former UST holds that were utilized by McGuire Hester. Refer to historical documents and summary reference in the April 23, 2008 *Response to Comment*s – Confirmation Investigation Work Plan for additional information pre-Cruise America site conditions. These USTs were removed prior to occupancy of the site by Cruise America. The former location of these UST holds are shown on Figure 2. Although low concentrations of Total Petroleum Hydrocarbons as gasoline (TPH-g) and diesel (TPH-d) were reported in the groundwater, high levels of Methyl tertiary-Butyl Ether (MTBE) were detected in boring SB-1.

In September of 2001, AEI advanced five (5) additional soil borings (SB-7 through SB-11) in order to determine the source of the high levels of MTBE found in SB-1. Samples collected from SB-7 and SB-8 did not contain MTBE above laboratory reporting limits. MTBE concentrations ranged from 630 micrograms per liter (µg/L) in SB-9 to 13,000 µg/L in SB-10. These data indicated a leak in the remaining 10,000-gallon gasoline UST on the southern portion of the property as the most likely source of the MTBE.

Soil and groundwater sample analytical data from the 2001 work is presented in Tables 1 and 3, respectively.

2.2 Tank Removal

AEI removed the 10,000-gallon gasoline UST in November of 2001. Concentrations of TPH-g in four of the five soil samples ranged from 4.1 milligrams per kilogram (mg/kg) to 280 mg/kg. Concentrations of MTBE and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) were also detected in the five soil samples. The highest concentrations of MTBE and Benzene detected in the soil during the tank removal were 53 mg/kg and 13 mg/kg, respectively, detected along the southern and eastern sidewalls of the excavation at approximately 6.5 feet below ground surface (bgs). Elevated concentrations of TPH-g and MTBE were present in the groundwater sample at concentrations of 44,000 µg/L and 42,000 µg/L, respectively.

Soil and groundwater sample analytical data from the tank removal is presented in Tables 1 and 3, respectively.

2.3 Groundwater Investigation

Following removal of the tank, the Alameda County Environmental Health (ACEH) requested further investigation of the release from the 10,000 gallon UST. On September 6, 2002, six (6) soil borings (SB-12 through SB-17) were advanced. The data from these soil borings was used to determine the locations of five (5) groundwater monitoring wells, which were installed on September 19, 2002. These five wells (MW-1 through MW-5) have been monitored on a quarterly basis since installation.

The locations of these borings and wells are shown on Figure 2. Soil and groundwater analytical data from the September 2002 investigation is presented in Tables 1 and 2, respectively. Historical groundwater monitoring data is presented in Table 4 and 5.

2.4 Groundwater Treatment Activities

Based on the findings of the investigation and monitoring activities, the ACEH required that corrective action be undertaken. AEI prepared and submitted an *Interim Corrective Action Plan*, dated April 5, 2004, outlining an evaluation and scope of work to implement ozone sparging technology to begin corrective action. The approach was selected to reduce contaminant concentrations, particularly MTBE and other gasoline contaminants, in the groundwater and capillary fringe soils. A KVA twelve-point ozone sparging system was installed around the release area during May – July, 2004. Implementation of the system was documented in the *Interim Corrective Action Progress Report*, dated February 11, 2005, to which the reader is referred for more detailed information.

The sparge wells were placed in and around the former tank hold, between the release area and the

nearby Damon Slough, and in the areas of the most highly impacted groundwater. During the first several months of operation, selected monitoring wells were sampled on a monthly basis in addition to the regular quarterly monitoring,.

The sparging system operated through July, 2006, at which time an electrical switch overheated. Based on the significant reduction in contaminant concentrations, it was elected that several months of downtime be allowed to monitor for possible rebound.

On September 26, 2006 a *Site Summary Report* was submitted ACEH. This report summarized past investigative and remediation activities at the subject site and requested regulatory review of current site conditions to evaluate this site for case closure. In a letter dated January 28, 2007 the ACEH requested a workplan to address their technical comments.

AEI prepared a *Confirmation Investigation Workplan* dated March 27, 2007. The workplan outlined the proposed scope of work which included advancing five (5) soil borings for collection of soil and groundwater samples. Following the assignment of a new case worker the ACEH requested copies of the reports of several historical investigations and a modified work plan in a letter dated February 15, 2008.

On April 23, 2008 submitted *Response to Comments – Confirmation Investigation Work Plan* which included the requested reports and a response to the request to modify boring locations and sample analyses. The modifications to the workplan were approved by the ACEH in a letter dated June 5, 2008.

2.4 Confirmation Sampling

On July 1, 2008 AEI performed an additional soil and groundwater investigation to collect confirmation soil and groundwater. Three (3) shallow soil borings (SB-18 thru SB-20) were drilled adjacent to the tank excavation, one soil shallow boring (SB-21) to the waste oil tank, and one deep soil boring (SB-22) near monitoring well MW-2.

Hydrocarbons and MBTEX were reported in shallow soil in soil boring SB-18, located near previous boring SB-13, at concentrations. TPH-g 1,500 mg/kg. MBTEX was reported at concentrations of 1,500 mg/kg, 13 mg/kg, 0.21 mg/kg, 6.5 mg/kg, 19 mg/kg, 88 mg/kg, respectively. These concentrations represent at least an order of magnitude reduction from concentrations reported in the soil from boring SB-13 in 2001. Analysis of groundwater samples from boring SB-18 reported TPH-g and MBTEX at concentrations of 8,500 µg/L, 1,300 µg/L, 40 µg/L, 270 µg/L, 240 µg/L, 1,000 µg/L, respectively.

No significant concentrations of TPH-g or MBTEX were reported in shallow soil adjacent to the tank excavation in samples from SB-19 and SB-20.

Analysis of groundwater from a depth of 23 feet bgs (second aquifer) reported MTBE at a concentration of 9.2 µg/L; however no TPH-g or BTEX were reported in the water sample..

Low levels of TPH-g, TPH-d, TPH-mo and MBTEX were identified in soil and groundwater from boring SB-21 located adjacent to the in use waste oil tank..

3.0 GEOLOGY AND HYDROGEOLOGY

The site is located at an elevation approximately 10 feet above mean sea level (msl). The Damon Slough is located approximately 150 feet south of the former UST location. The site is level, and the local topography slopes very gently to the southwest. The surface sediments at the front (north) half of the site are mapped as Holocene basin deposits (Qhb, OF 97-97, E.J. Helley and R.W. Graymer). The Basin Deposits (Holocene) are described as "Very fine silty clay to clay deposits occupying flat-floored basins at the distal edge of alluvial fans adjacent to the bay mud (Qhbm)". The back (south) half of the site along Damon slough is mapped as artificial fill (af).

The area included in this investigation is in the south half of the site on artificial fill along the slough. The upper 3 to 8 feet of soil consists of imported fill which is typically variable clayey gravels, gravelly clay, sand, and clay with scattered brick, wood and other debris. The fill ranges in color from yellowish brown to brown to olive to dark gray to black. The lower portions of the fill are commonly dark gravelly clay or gravelly fine clayey sands that appear to be a mixture of fill and fine grained native material. Beneath this fill, native sediments encountered have consisted of soft plastic silty clay and soft plastic clayey silty sand. Groundwater has been observed at the time of drilling soil borings at between approximately 5 and 13 feet bgs. Below approximately 16 feet bgs in boring SB-22, the sediments become less plastic with lower water content, becoming firm, moist silty clay at 19.5 feet bgs. Firm to hard gravel was encountered at a depth of 23 feet bgs in SB-22. The gravel was underlain to a depth of 27.5 feet bgs by fine grained poorly graded sand. Clay was encountered at a depth of 27.5 feet bgs.

Water level measurements collected since monitoring began have indicated that the water table is present at between 4 to 6 feet bgs. Based on these measurements, it the groundwater beneath the site generally flows in a southeasterly direction, with a hydraulic gradient of 10^{-2} to 10^{-3} feet/feet. This flow direction is consistent with information AEI reviewed for a site on the north side of 66th Avenue. Despite these flow direction measurements, the MTBE plume appears to have migrated primarily in a northerly direction from the former UST location. MW-2 and MW-3, located south and southeast of the UST hold (apparently down-gradient) have been relatively free of MTBE. Groundwater in these wells has been measured to have significantly higher conductivity, indicative of salt water, which may be acting to retard the spread of MTBE or inhibiting the flow of groundwater in the expected flow direction.

4.0 MOBILIZATION, EXCAVATION AND REMOVAL

On February 12, 2009, the AEI field staff reviewed the Site Health and Safety Plan prior to the initiation of work. The Site Health and Safety Plan is located in Appendix A. Ground cover was broken and the soil within the planter area was removed as shown on Figure 3 to a depth of 6.5 feet below ground level. A single stockpile of the excavated soil was created adjacent to the excavation.

The site sits on bay fill along the Damon Slough. The soil excavated to a depth of approximately 3 feet was typically yellowish brown mixture of sand clay and gravel. The hydrocarbon impacted soil below a depth of 3 feet bgs typically was dark greenish gray to dark olive gray. At depth of 5.5 to 6 feet bgs a layer blackened wood, card board, and other trash was encountered. This layer extended the full length of the excavation (Picture # 1, Appendix D). The excavation was dug to a depth of 6.5 feet in the trash zone. A spotty seepage of water was observed from the sidewalls of the excavation below a depth of approximately 4 feet bgs during the early excavation. A moderate water flow was encountered at a depth of six feet bgs in the trash zone. During sampling of the south side wall, the side of the current excavation breeched the pea gravel filled former UST excavation and a strong water flow was encountered from the pea gravel filled UST excavation.

Soil from the excavation was field screened by filling a 1-quart zipper locking plastic bag approximately ¼ with soil. Approximately 10 minutes were allowed for soil vapors to equalize with the air in the bag, then a hole was made in the bag and the tip of a photo-ionization meter was inserted into the bag and the PID reading noted. Maximum PID reading for soil from the central portion of the excavation, near former boring SB-18, was 1,200 ppmv.

Excavation was limited to the east and west where soil color changed to olive brown and field screening of side wall samples reported less that 50 ppmv. The excavation was extended north and south to the curb around the planter. On the south side of the excavation approximately 6-8 inches of soil was left under the curb, between the current excavation and the backfilled UST excavation to maintain stability of that side of the excavation. During sampling of the south sidewall this layer was breeched. Drain rock was immediately place against that portion of the excavation wall to prevent collapse of the south wall of the excavation.

Soil samples were collected from all four sides of the excavation as shown on figure 3. All samples were collected under the direction of Mr. Robert F. Flory, AEI Professional Geologist. Five (5) soil samples were collected from excavation sidewall, one from each side wall and a second sample from the north side wall following addition excavation. Following dewatering of the excavation, one (1) water sample (W) was collected from groundwater entering the excavation. Four (4) discrete soil samples were collected from the stockpile, and were composited by the laboratory into a single sample (STK1234) for analysis.

Following completion of the excavation, the bottom of the excavation was dewatered, removing 930 gallons of water using a vacuum truck by EXCEL Environmental Services and transported

for disposal at their facility. Following dewatering of the excavation a water sample was collected for chemical analysis.

Following sampling, approximately 3 feet of drain was placed in the bottom of the excavation to allow the remaining portion of the excavation to be backfilled and compacted following receipt of analysis of the side wall samples.

Analysis of side wall confirmation samples reported total petroleum hydrocarbons as gasoline (TPH-g) at concentrations of ND<1.0 mg/kg, 160 mg/kg, ND<1.0 mg/kg and 38 mg/kg for the west (NW), north (NS), south (SW), and east (EW), respectively. MTBE was reported as non detectable in all four sidewall confirmation samples. Analysis of groundwater from excavation following dewatering reported TPH-g and MTBE at concentrations of 71µg/L and 72 µg/L, respectively.

On February 23, 2009, after receipt of the results of confirmation sampling, the narrow central portion of the excavation was extended approximately 2 feet to the north. Analysis of a second north sidewall confirmation sample (NS2) reported TPH-g and MTBE at a concentration of 2.2 mg/kg and 2.3 mg/kg respectively.

On February 25, 2009, the balance of the excavation was backfilled with engineered backfill and 52.02 tons of excavated soil was transported under non-hazardous waste manifest to Keller Canyon Sanitary Landfill. The non-hazardous hazardous waste manifests for the disposed soil are located in Appendix C: Transport and Disposal Documents.

Following backfilling of the excavation, the surface was covered with decorative rock to match adjacent landscaped area.

5.0 SAMPLING AND ANALYSES

All soil samples were collected in brass tubes that were driven into the soil until completely full, then sealed with Teflon tape and plastic caps. The secured sample tubes were immediately placed into a cooler with ice. Chain of Custody documentation was initiated. The cooler and samples were brought to McCampbell Analytical, Inc. (State Certification #1644) of Pittsburg, California on February 12 and 23, 2009 for analysis.

The samples were analyzed for TPH-g, MTBE, and BTEX by EPA methods 80154/8021B. The stockpile sample was also analyzed for by Total Lead (EPA Method 6010/200). The analytical results are summarized in Table 1 – Soil Analytical Data and Table 2 – Water Analytical Data.

Copies of all analytical results and Chain of Custody documentation are located in Appendix B: Analytical Documentation.

6.0 SUMMARY

On February 12, 2009, the soil around soil boring SB-18 was excavated to a depth of 6.5 feet bgs. The excavation was initially limited to the north and south by the curb surrounding the planter area and to PID field screening levels below 50 ppmv to the east and west within the planter area.

On February 23, 2009, following receipt of the results of soil analyses, which showed TPH-g in the soil at a concentration of 160 mg/kg (sample NS), the narrow portion of the excavation was extended several feet northward past the curb and a second sample (NS2) was collected.

The excavated soil was transported under non-hazardous waste manifest to the Keller Canyon Sanitary landfill in Pittsburg, California for disposal.

The excavation was extended in all directions from soil borings SB-13 and SB-18 to concentrations well below the established cleanup levels for TPH-g, MTBE AND BTEX.

AEI believes the soil/groundwater hot spot identified in soil borings SB-13 and SB-18 has been remediated to acceptable levels and requests closure of release case RO0002449.

7.0 COMPARATIVE RISK EVALUATION

The following comparative risk evaluation has been made in an effort to help determine the potential risk posed by remaining contaminants in the groundwater. The most recent site specific analytical data is compared with environmental screening level (ESL) values presented in the RWQCB document *Screening for Environmental Concerns at Site with Contaminated Soil and Groundwater*, May 2008. The ESLs are risk-based values that have been prepared to evaluate whether a particular contaminant presents possible threat to human health or the environment.

The highest detected concentrations of contaminants of concern (COCs) in groundwater are compared against the screening levels for the following exposure routes: gross contamination ceiling values where groundwater is a current source of drinking water and not a drinking water source, aquatic toxicity, drinking water toxicity, and vapor intrusion from groundwater. A summary of the screening levels and site concentrations are presented below.

7.1 Contaminants of Concern

The primary remaining contaminants of concern detected in groundwater from existing groundwater monitoring wells are MTBE and TBA. Maximum concentrations of MTBE and TBA, as well as TPH-g and BTEX (benzene, toluene, ethylbenzene, and total xylenes), detected during the most recent monitoring event (03/13/2008) are summarized in the following table.

Contaminant	Well	Maximum Detected (03/13/2008) (µg/L)
TPH-g	All	<50
Benzene	All	<0.5
Toluene	All	<0.5
Ethylbenzene	All	<0.5
Xylenes (Total)	All	<0.5
MTBE (by 8260B)	MW-4	22
TBA	MW-1	780

Maximum concentrations of TPH, BTEX, and MTBE detected in ground water from the confirmation sampling soil borings (07/01/2008) and for the groundwater sampled collected from the excavation removing impacted soil at the location of SB-18 are summarized in the following table.

Contaminant	Confirmation Sampling Soil Boring	Maximum Detected (7/1/08) (µg/L)	Additional Excavation Sample - "W"	Maximum Detected (2/12/09) (µg/L)
TPH-d	SB-21	180	----	----
TPH-mo	SB-21	360	----	----
TPH-g	SB-18	8,500	W	71
Benzene	SB-18	40	W	1.2
Toluene	SB-18	270	W	3.9
Ethylbenzene	SB-18	240	W	1.7
Xylenes	SB-18	1,000	W	8.5
MTBE	SB-18	1,300	W	72
BA	SB-18	6,800	W	----

7.2 ESL Comparison

The recent maximum concentrations of the detected contaminants in groundwater monitoring wells are presented in the following table along with the five ESL values for the exposure pathways outlined above.

Contaminant	Maximum Detected in wells	Volatilization ESL *	Ceiling Value (NDW) ***	Aquatic Toxicity **	Ceiling Value (DW) **	Drinking Water Toxicity **
MTBE	22	24,000	**1,800**	8,000	~~5.0~~	~~13~~
TBA	780	-	50,000	**18,000**	~~50,000~~	~~12~~

All values in micrograms per liter (µg/l) All ESL from RWQCB (Feb 2005)
* From Table E-1 (residential) ** From Tables F-1a *** From Table F-1b
NDW = non-drinking water, DW = drinking water
ESL values shown in strikethrough (~~strikethrough)~~ are from incomplete pathways.
ESL values shown in bold (**bold**) are the lowest for each contaminant, considering all potentially complete exposure pathways.

Significant concentrations of TPH-g and MBTWX were reported in soil boring SB-18 which was located immediately adjacent to MW-1. The only COCs reported in well MW-1 were low levels of MTBE and TBA. As reported above, all significantly impacted soil around soil boring SB-18 has been removed.

Contaminant	Maximum Detected in excavation	Volatilization ESL *	Ceiling Value (NDW) ***	Aquatic Toxicity **	Ceiling Value (DW) **	Drinking Water Toxicity **
TPH-g	71	----	5,000	**210**	~~100~~	~~210~~
Benzene	1.2	540	20,000	**350**	~~170~~	~~1~~
Toluene	3.9	380,000	**400**	2,500	~~40~~	~~150~~
Ethylbenzene	1.7	170,000	300	**43**	~~30~~	~~300~~
Xylenes	8.5	160,000	5,300	**100**	~~20~~	~~1800~~
MTBE	72	24,000	**1,800**	8,000	~~5~~	~~13~~

All values in micrograms per liter (µg/l) All ESL from RWQCB (Feb 2005)
* From Table E-1 (residential) ** From Tables F-1a *** From Table F-1b
NDW = non-drinking water, DW = drinking water
ESL values shown in strikethrough (~~strikethrough)~~ are from incomplete pathways.
ESL values shown in bold (**bold**) are the lowest for each contaminant, considering all potentially complete exposure pathways.

The groundwater in the area of the site is considered of beneficial use in accordance with the RWQCB Basin Plan and although not formally de-designated, the shallow impacted groundwater around the fuel release area is of low quality (brackish to saline) due to the proximity to the tidal

slough and is not present in a high yielding formation. Based on this, the Drinking Water Toxicity and Drinking Water Ceiling Value ESLs are considered overly conservative for this site. Due to the proximity of the release to the Damon Slough, the aquatic toxicity ESL value would be protective of aquatic receptors. In addition, as is currently required, the volatilization ESL is considered potentially complete. The non-drinking water ceiling value will also be considered relevant as representative of nuisance conditions. The lowest ESL for each contaminant is shown in bold in the table above.

The residual contaminant concentrations do not exceed the lowest of the ESL values of the potentially complete exposure pathways. All site concentrations are over one to several orders of magnitude lower that these ESL values. Based on this, no indication of a potential for vapor intrusion from groundwater, of groundwater discharge to nearby aquatic habitat, or of exceeding gross contaminant levels for groundwater are present around the former release area.

AEI believes the soil/groundwater hot spot identified in soil borings SB-13 and SB-18 has been remediated to acceptable levels and requests closure of release case RO0002449.

8.0 REPORT LIMITATIONS AND SIGNATURES

This report presents a summary of work completed by AEI Consultants, including observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide requested information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

All services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work.

Sincerely,
AEI Consultants

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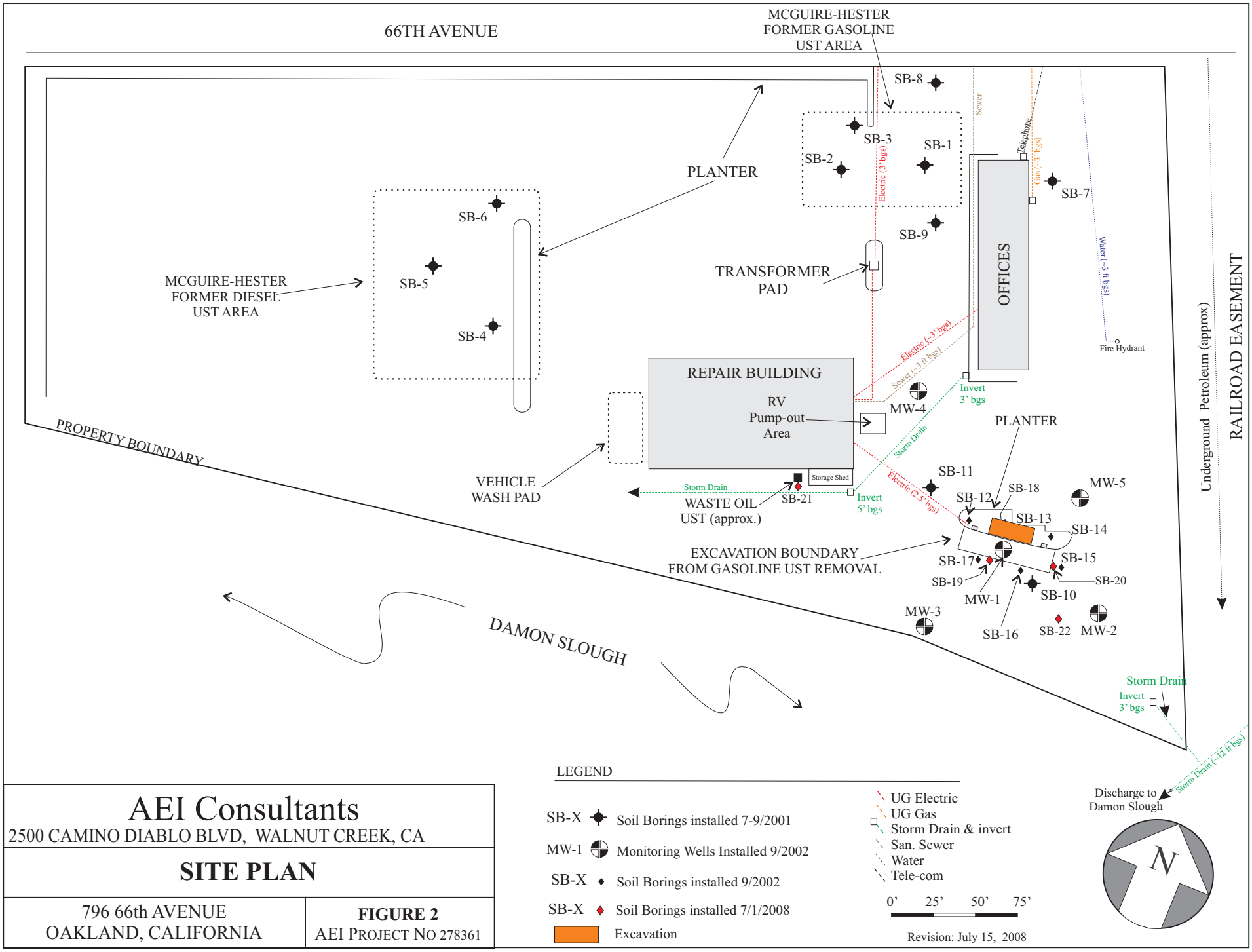
GeoTracker	

FIGURES

AEI CONSULTANTS	
SITE LOCATION MAP	
796 66th AVENUE OAKLAND, CALIFORNIA	**FIGURE 1** PROJECT NO. 278361



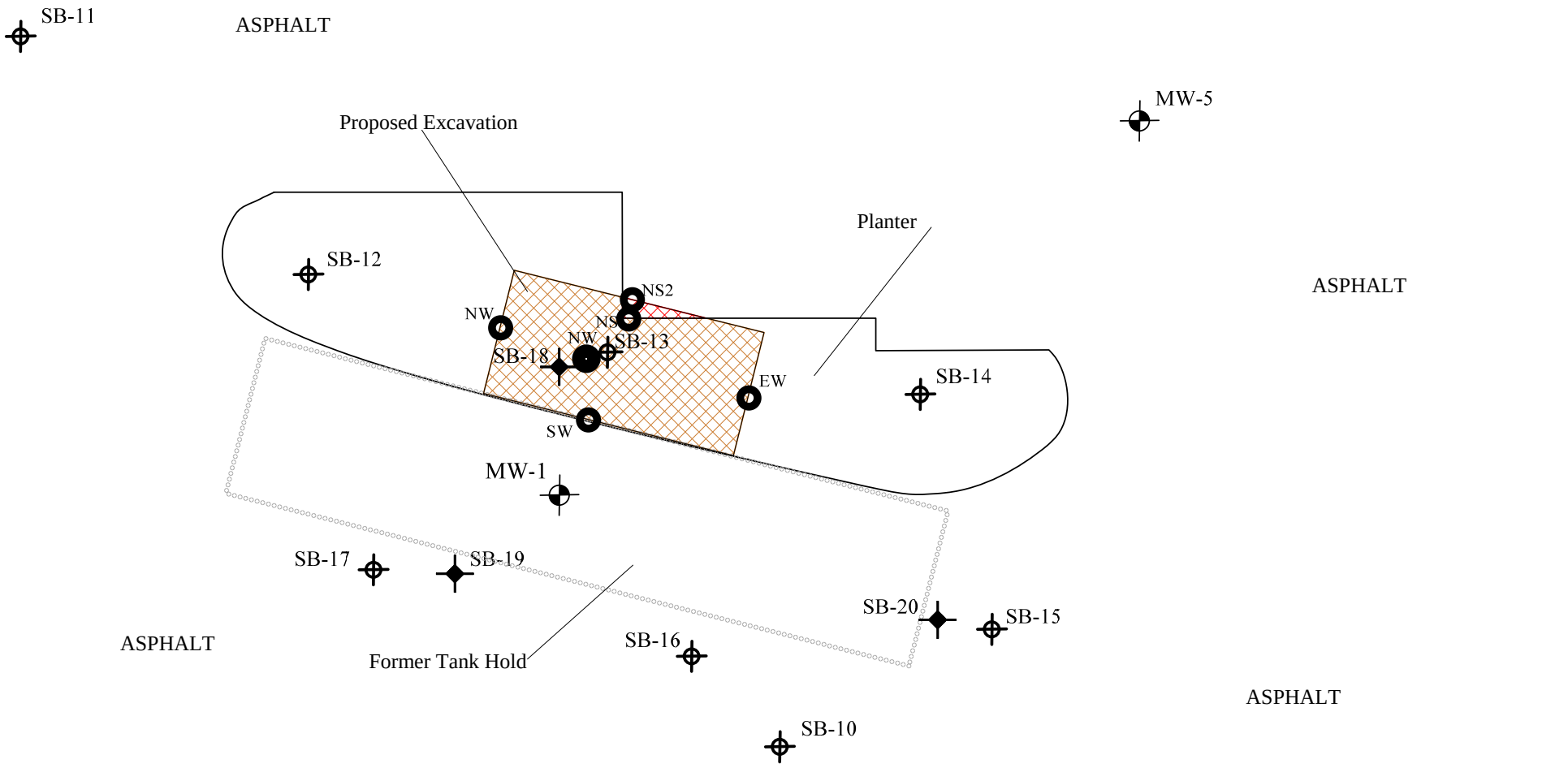
AEI Consultants

2500 CAMINO DIABLO BLVD, WALNUT CREEK, CA

SITE PLAN

796 66th AVENUE
OAKLAND, CALIFORNIA

FIGURE 2
AEI PROJECT NO 278361



LEGEND

MW-3 — Groundwater monitoring well

SB-19 — Soil borings - July 1, 2008

SB-17 — Soil borings - 2001 - 2002

Former Tank Hold

Additional Excavation

Initial Excavation

Sidewall Sample

Pit Groundwater Sample

AEI CONSULTANTS

2500 Camino Diablo, Walnut Creek, CA

SITE MAP

796 66TH AVENUE
OAKLAND, CALIFORNIA

FIGURE 3

AEI Project # 287361

TABLES

Table 1
Historical Soil Analytical Data
796 66th Avenue, Oakland, California

Sample ID	Date	TPH-g	TPH-d	TPH-mo	MTBE	TBA	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	Lead
			8015		8260				8021B			TTLC
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SB-1 7'	7/17/2001	<1.0	-		-	-	<0.05	<0.005	<0.005	<0.005	<0.005	-
SB-2 6'	7/17/2001	<1.0	26		-	-	<0.05	<0.005	<0.005	<0.005	<0.005	-
SB-2 10'	7/17/2001	<1.0	-		-	-	<0.05	<0.005	<0.005	<0.005	<0.005	-
SB-3 4'	7/17/2001	<1.0	-		-	-	<0.05	<0.005	<0.005	<0.005	<0.005	-
SB-4 6'	7/17/2001	<1.0	2.8		-	-	<0.05	<0.005	<0.005	<0.005	<0.005	-
SB-5 4'	7/17/2001	5.0	13		-	-	<0.05	0.1600	0.058	0.11	0.21	-
SB-5 7'	7/17/2001	9.7	37		-	-	<0.05	0.059	0.012	0.007	0.056	-
SB-6 7'	7/17/2001	1.5	11		-	-	<0.05	0.008	0.018	<0.005	<0.005	-
SB-6 15'	7/17/2001	<1.0	<1.0		-	-	<0.05	<0.005	<0.005	<0.005	<0.005	-
SB-8 4'	9/28/2001	16	-		-	-	<0.05	0.053	0.11	0.031	0.14	-
SB-8 11'	9/28/2001	<1.0	-		-	-	<0.05	<0.005	<0.005	<0.005	<0.005	-
Disp-East 3'	11/30/2001	110	-		-	-	<0.20	0.07	1.2	0.16	5.2	-
Disp-West 3'	11/30/2001	280	-		-	-	6	0.25	7.5	4.1	26	-
South 6 1/2	11/30/2001	4.1	-		-	-	53	0.038	0.16	0.034	0.19	-
West 6 1/2	11/30/2001	<50	-		-	-	0.99	<0.005	0.014	0.011	0.046	-
East 6 1/2	11/30/2001	140	-		-	-	50	13	3.9	7.9	18	-
SB-12 5'	9/6/2002	<50	-		-	-	<0.05	<0.005	<0.005	<0.005	<0.005	1200
SB-13 4'	9/6/2002	15,000	-	-	-	-	<50	21	840	300	1700	830
SB-14 4'	9/6/2002	<50	-	-	-	-	<0.05	<0.005	<0.005	<0.005	<0.005	110
SB-15 4'	9/6/2002	<50	-	-	-	-	<0.05	<0.005	<0.005	<0.005	<0.005	5
SB-16 4'	9/6/2002	73	-	-	-	-	1.5	<0.05	0.18	<0.05	<0.05	20
SB-17 4'	9/6/2002	1.2	-	-	-	-	2.1	0.0073	0.007	<0.005	0.011	3.2
SB-17 39'	9/6/2002	<50	-	-	-	-	<0.05	<0.005	<0.005	<0.005	<0.005	3.3

Table 1
Historical Soil Analytical Data
796 66th Avenue, Oakland, California

Sample ID	Date	TPH-g	TPH-d	TPH-mo	MTBE	TBA	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	Lead
			8015		8260				8021B			TTLC
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MW-1 4'	9/19/2002	<1.0	-	-	-	-	<0.05	<0.005	<0.005	<0.005	<0.005	5.9
MW-2 4"	9/19/2002	<1.0	-	-	-	-	<0.05	<0.005	<0.005	<0.005	<0.005	25
MW-3 4'	9/19/2002	<1.0	-	-	-	-	<0.05	<0.005	<0.005	<0.005	<0.005	25
MW-4 4'	9/19/2002	6.2	-	-	-	-	<0.05	<0.005	0.0080	0.0078	0.021	160
MW-5 4'	9/19/2002	<1.0	-	-	-	-	2.0	0.0053	0.0088	<0.005	0.010	190
SB-18-3.5	7/1/2008	1500	-	-	<0.25	<2.5	<5.0	<0.50	6.5	19	88	230
SB-18-5	7/1/2008	21	-	-	12	<3.3	13	0.21	0.22	0.92	3.6	17
SB-19-3.5	7/1/2008	<1.0	-	-	0.024	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	16
SB-19-6	7/1/2008	17	-	-	6.5	<3.3	6.8	0.79	0.31	0.2	1.6	190
SB-20-3.5	7/1/2008	<1.0	-	-	0.023	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	9.7
SB-20-5.5	7/1/2008	<1.0	-	-	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	320
SB-21-3.5	7/1/2008	<1.0	<1.0	<1.0	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<5.0
SB-21-6	7/1/2008	16	180	110	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	0.041	14
SB-22-4	7/1/2008	<1.0	-	-	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	-
SB-22-23.5	7/1/2008	<1.0	-	-	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	-
RWQCB ESL May 2008		180	180	2500	8.4	110	8.4	0.27	9.3	47	11	720

Commercial/Industrial

Shallow soil, non drinking water

BOLD = Current soil analyticals that Exceed ESL

mg/kg = milligrams per kilogram (ppm)

- = Sample not analyzed by this method

Sample location removed during additional excavation

Table 2
Historical Soil Boring Groundwater Sample Analytical Data
796 66th Avenue, Oakland, California

Sample ID	Date	TPH-g	TPH-d	TPH-mo	MTBE (EPA 8260)	TBA (EPA 8260)	MTBE (EPA 8021B)	Benzene (EPA 8021B)	Toluene (EPA 8021B)	Ethyl benzene (EPA 8021B)	Xylenes (EPA 8021B)	Lead
		µg/L	µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
SB-1 W	7/17/2001	<50	-	-	-	-	650	0.63	<0.5	<0.5	<0.5	-
SB-2 W	7/17/2001	<50	-	-	-	-	<5.0	<0.5	<0.5	<0.5	<0.5	-
SB-3 W	7/17/2001	120	-	-	-	-	<5.0	<0.5	4.6	<0.5	<0.5	-
SB-4 W	7/17/2001	<50	990	-	-	-	<5.0	<0.5	<0.5	<0.5	<0.5	-
SB-5 W	7/17/2001	68	410	-	-	-	<5.0	<0.5	0.66	<0.5	<0.5	-
SB-6 W	7/17/2001	240	590	-	-	-	<5.0	<0.5	2.9	<0.5	<0.5	-
SB-7 W	9/28/2001	<50	-	-	<0.5	-	<5.0	<0.5	0.74	<0.5	<0.5	-
SB-9 W	9/28/2001	<50	-	-	630	-	670	<0.5	1.0	<0.5	<0.5	-
SB-10 W	9/28/2001	<500	-	-	13,000	-	15,000	<2.0	<2.0	2.5	<2.0	-
SB-11 W	9/28/2001	58	-	-	1,700	-	1,900	2.4	1.8	<0.5	0.79	-
GW*	11/30/2001	44,000	-	-	-	-	42,000	590	5100	640	3500	-
SB-12	9/6/2002	<1000	-	-	32,000	-	31,000	44	<10	<10	<10	<0.005
SB-13	9/6/2002	13,000	-	-	49,000	-	51,000	300	1700	320	1,800	<0.005
SB-14	9/6/2002	<500	-	-	9,500	-	11,000	<5.0	<5.0	<5.0	<5.0	<0.005
SB-15	9/6/2002	300	-	-	770	-	730	<0.5	3.2	0.71	3.5	0.039
SB-16	9/6/2002	<200	-	-	2,700	-	3,900	<1	2.1	<1	2.5	<0.005
SB-17	9/6/2002	<200	-	-	5,500	-	5,900	<1.7	3.8	<1.7	4.2	<0.005
SB-17-W 47'	9/6/2002	90	-	-	120	-	150	1.7	3.5	1.9	3.5	-
SB-18-W	7/1/2008	8,500	-	-	1300	6,800	1,100	40	270	240	1,000	-
SB-21-W	7/1/2008	<50	180	360	11	160	11	<0.5	<0.5	<0.5	<0.5	-
SB-22-W	7/1/2008	<50	-	-	9.2	<2.0	8.3	<0.5	<0.5	<0.5	<0.5	-
RWQCB ESL May 2008		210	210	210	1,800	18,000	1,800	46	130	43	100	

Table F-1b Commercial/Industrial Non drinking water

Additional analyses VOCs all ND, PCBs all ND, Metals bottle broken in transit, no analysis

MDL = Method Detection Limit

µg/L = micrograms per liter (ppb)

- = Sample not analyzed by this method

* Sample GW was collected from standing water within the tank excavation

Sample location removed during additional excavation

Table 3
Historical Groundwater Monitoring Analytical Data
796 66th Avenue, Oakland, California

Well ID (screen interval in	Date Sampled	Well Elevation (ft amsl)	Depth to Water (ft from TOC	Water Table Elevation (ft amsl)	TPH-g *(8015Cm)* µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	MTBE *(8021B)* µg/L	MTBE *(8260B)* µg/L	TBA *(8260B)* µg/L
						(EPA method 8021B)						
MW-1	9/30/2002	10.88	5.41	5.47	1,800	50	15	16	18	19,000	13,000	<5,000
(4-14)	1/2/2003	10.88	4.77	6.11	660	24	6.4	<2.5	<2.5	7,800	8,900	-
	3/31/2003	10.88	4.95	5.93	660	11	6.4	<5.0	<5.0	16,000	20,000	-
	6/30/2003	10.88	4.54	6.34	830	<5.0	6.8	<5.0	<5.0	16,000	17,000	-
	10/1/2003	10.88	4.66	6.22	720	<5.0	<5.0	<5.0	<5.0	14,000	13,000	-
	1/5/2004	10.88	4.07	6.81	<300	7.8	2.9	<3.0	<3.0	-	8,700	-
	4/5/2004	10.88	4.33	6.55	100	2.8	3.0	<1.0	<1.0	2,300	3,000	<500
	7/7/2004	10.88	4.97	5.91	190	<1.7	2.0	<1.7	<1.7	4,900	5,500	<1,000
	7/19/2004	10.88	5.12	5.76	340	<2.5	4.0	<2.5	<2.5	8,000	9,200	<1,700
	8/6/2004	10.88	5.13	5.75	280	<0.5	5.6	<0.5	<0.5	7,200	5,900	<1,000
	8/20/2004	10.88	5.31	5.57	<250	<2.5	<2.5	<2.5	<2.5	4,600	-	-
	9/3/2004	10.88	5.22	5.66	<250	<2.5	<2.5	<2.5	<2.5	5,700	4,700	<1,000
	10/13/2004	10.88	5.23	5.65	170	<0.5	4.8	<0.5	<0.5	3,700	4,400	-
	1/11/2005	10.88	4.69	6.19	110	8.8	4.2	<0.5	<0.5	880	990	910
	4/13/2005	10.88	5.02	5.86	230	<0.5	9.0	<0.5	<0.5	140	100	2,600
	7/6/2005	10.88	5.06	5.82	200	<0.5	8.3	<0.5	<0.5	<75	50	1,600
	10/6/2005	10.88	4.92	5.96	110	<0.5	6.8	<0.5	<0.5	<20	8.4	640
	1/9/2006	10.88	3.90	6.98	<50	<0.5	1.8	<0.5	<0.5	260	280	560
	4/10/2006	10.88	3.97	6.91	80	<0.5	3.1	<0.5	<0.5	100	70	160
	7/11/2006	10.88	4.63	6.25	<50	<0.5	2.8	<0.5	<0.5	<5.0	5.3	240
	10/18/2006	-	-	-	79	<0.5	3.7	<0.5	2.3	7.0	6.8	320
	3/13/2008	10.88	4.80	6.08	<50	<0.5	<0.5	<0.5	<0.5	5.5	<10	780
MW-2	9/30/2002	10.77	8.00	2.77	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.84	<5.0
(4-14)	1/2/2003	10.77	5.91	4.86	<50	<0.5	<0.5	<0.5	<0.5	19	20	-
	3/31/2003	10.77	5.15	5.62	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.9	-
	6/30/2003	10.77	5.91	4.86	<50	<0.5	<0.5	<0.5	<0.5	7.0	9.6	-
	10/1/2003	10.77	6.69	4.08	<50	<0.5	<0.5	<0.5	<0.5	7.7	6.7	-
	1/5/2004	10.77	6.18	4.59	71	4.7	13	2.7	12	-	7.8	-
	4/5/2004	10.77	7.22	3.55	210	14	39	6.6	27	16	13	<5.0
	7/7/2004	10.77	6.83	3.94	<50	<0.5	<0.5	<0.5	<0.5	5.7	5.6	<5.0
	10/13/2004	10.77	7.18	3.59	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.6	-
	1/11/2005	10.77	7.27	3.50	74	2.6	11	2.1	10	<5.0	4.4	<5.0
	4/13/2005	10.77	6.66	4.11	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0
	7/6/2005	10.77	6.83	3.94	<50	<0.5	0.77	<0.5	<0.5	<5.0	2.9	<5.0
	10/6/2005	10.77	7.05	3.72	<50	<0.5	0.81	<0.5	0.54	<5.0	2.1	<5.0

Table 3
Historical Groundwater Monitoring Analytical Data
796 66th Avenue, Oakland, California

Well ID (screen interval in	Date Sampled	Well Elevation (ft amsl)	Depth to Water (ft from TOC	Water Table Elevation (ft amsl)	TPH-g *(8015Cm)* µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	MTBE *(8021B)* µg/L	MTBE *(8260B)* µg/L	TBA *(8260B)* µg/L
						(EPA method 8021B)						
MW-2 continued	1/9/2006	10.77	6.18	4.59	<50	<0.5	<0.5	<0.5	<0.5	6.1	7.6	<5.0
	4/10/2006	10.77	6.27	4.50	50	<0.5	8.0	1.5	6.1	<5.0	1.1	<5.0
	7/11/2006	10.77	6.97	3.80	<50	<0.5	0.72	<0.5	<0.5	<5.0	4.1	<5.0
	10/18/2006	-	-	-	53	<0.5	2.6	1.2	4.3	<5.0	1.7	<5.0
	3/13/2008	10.77	6.66	4.11	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.0	<2.0
MW-3	9/30/2002	10.20	5.21	4.99	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0
(4-14)	1/2/2003	10.20	5.31	4.89	<50	0.89	0.50	<0.5	0.72	15	14	-
	3/31/2003	10.20	4.58	5.62	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.62	-
	6/30/2003	10.20	3.83	6.37	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.6	-
	10/1/2003	10.20	4.02	6.18	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	-
	1/5/2004	10.20	6.18	4.02	71	4.7	13	2.7	12	-	7.8	-
	4/5/2004	10.20	3.79	6.41	120	8.8	22	3.2	13	<5.0	<0.5	<5.0
	7/7/2004	10.20	3.76	6.44	<50	<0.5	<0.5	<0.5	<0.5	<5.0	4.0	<5.0
	10/13/2004	10.20	4.45	5.75	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	-
	1/11/2005	10.20	5.21	4.99	68	2.2	9.0	1.7	8.5	<5.0	<0.5	<5.0
	4/13/2005	10.20	4.44	5.76	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0
	7/6/2005	10.20	3.91	6.29	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0
	10/6/2005	10.20	4.16	6.04	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0
	1/9/2006	10.20	4.44	5.76	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0
	4/10/2006	10.20	4.02	6.18	<50	<0.5	4.0	0.78	3.3	<5.0	<0.5	<5.0
	7/11/2006	10.20	3.53	6.67	<50	<0.5	0.51	<0.5	1.1	<5.0	0.67	<5.0
	10/18/2006	-	-	-	<50	<0.5	2.2	0.76	3.1	<5.0	<0.5	<5.0
	3/13/2008	10.20	4.45	5.75	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.77	<2.0
MW-4	9/30/2002	11.07	5.50	5.57	<100	<0.5	<0.5	<0.5	<0.5	790	750	<100
(4-14)	1/2/2003	11.07	4.90	6.17	<50	<0.5	<0.5	<0.5	<0.5	420	460	-
	3/31/2003	11.07	4.81	6.26	<50	<0.5	<0.5	<0.5	<0.5	1,500	1,400	-
	6/30/2003	11.07	4.61	6.46	<50	<0.5	<0.5	<0.5	<0.5	1,600	1,200	-
	10/1/2003	11.07	4.76	6.31	<50	<0.5	<0.5	<0.5	<0.5	1,800	1,400	-
	1/5/2004	11.07	4.32	6.75	<50	3.0	6.7	1.4	6.1	-	1,200	-
	4/5/2004	11.07	4.43	6.64	<50	0.79	2.0	<0.5	2.2	800	840	<250
	7/7/2004	11.07	5.08	5.99	<50	<0.5	<0.5	<0.5	<0.5	1,400	2,100	<250
	7/19/2004	11.07	5.19	5.88	<50	<0.5	<0.5	<0.5	<0.5	1,200	1,300	<500
	8/6/2004	11.07	5.20	5.87	<50	0.76	<0.5	<0.5	<0.5	1,300	1,200	<500
	8/20/2004	11.07	5.37	5.70	<50	<0.5	<0.5	<0.5	<0.5	460	-	-
	9/3/2004	11.07	5.35	5.72	<50	<0.5	<0.5	<0.5	<0.5	440	370	<50
	10/13/2004	11.07	5.35	5.72	<50	<0.5	<0.5	<0.5	<0.5	330	360	-
	1/11/2005	11.07	4.99	6.08	<50	1.0	2.1	<0.5	1.8	450	430	<100

Table 3
Historical Groundwater Monitoring Analytical Data
796 66th Avenue, Oakland, California

Well ID (screen interval in	Date Sampled	Well Elevation (ft amsl)	Depth to Water (ft from TOC	Water Table Elevation (ft amsl)	TPH-g *(8015Cm)* µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	MTBE *(8021B)* µg/L	MTBE *(8260B)* µg/L	TBA *(8260B)* µg/L
						(EPA method 8021B)						
MW-4 continued	4/13/2005	11.07	5.17	5.90	<50	<0.5	<0.5	<0.5	<0.5	340	200	<50
	7/6/2005	11.07	5.18	5.89	<50	<0.5	<0.5	<0.5	<0.5	300	290	330
	10/6/2005	11.07	5.03	6.04	<50	<0.5	<0.5	<0.5	<0.5	380	350	430
	1/9/2006	11.07	4.11	6.96	<50	<0.5	<0.5	<0.5	<0.5	140	150	200
	4/10/2006	11.07	4.13	6.94	<50	<0.5	1.0	<0.5	1.1	52	39	120
	7/11/2006	11.07	4.72	6.35	<50	<0.5	<0.5	<0.5	<0.5	56	66	120
	10/18/2006	-	-	-	<50	<0.5	0.74	0.55	2.5	87	67	160
	3/13/2008	11.07	4.95	6.12	<50	<0.5	<0.5	<0.5	<0.5	19	22	69
MW-5	9/30/2002	11.18	5.62	5.56	<2,000	<5.0	<5.0	<5.0	<5.0	19,000	18000	<2,500
(4-14)	1/2/2003	11.18	5.12	6.06	<50	<0.5	<0.5	<0.5	<0.5	7,000	7,000	-
	3/31/2003	11.18	4.93	6.25	<500	<5.0	<5.0	<5.0	<5.0	14,000	12,000	-
	6/30/2003	11.18	4.75	6.43	<500	<5.0	<5.0	<5.0	<5.0	13,000	15,000	-
	10/1/2003	11.18	4.88	6.30	<500	<5.0	<5.0	<5.0	<5.0	12,000	11,000	-
	1/5/2004	11.18	4.19	6.99	<1,000	<10	<10	<10	<10	-	11,000	-
	4/5/2004	11.18	4.57	6.61	<250	<2.5	<2.5	<2.5	<2.5	9,400	13,000	<2,500
	7/7/2004	11.18	5.19	5.99	<500	<5.0	<5.0	<5.0	<5.0	15,000	19,000	<2,000
	7/19/2004	11.18	5.32	5.86	<500	<5.0	<5.0	<5.0	<5.0	16,000	14,000	<2,500
	8/6/2004	11.18	5.33	5.85	110	<0.5	<0.5	<0.5	<0.5	12,000	11,000	<2,500
	8/20/2004	11.18	5.49	5.69	<500	<5.0	<5.0	<5.0	<5.0	7,200	-	-
	9/3/2004	11.18	5.48	5.70	<500	<2.5	<2.5	<2.5	<2.5	8,500	7,200	<1,700
	10/13/2004	11.18	5.49	5.69	<250	<2.5	<2.5	<2.5	<2.5	6,700	7,700	-
	1/11/2005	11.18	5.08	6.10	<100	1.5	3.3	<1.0	2.3	3,000	4,800	1,200
	4/13/2005	11.18	5.24	5.94	<50	<0.5	<0.5	<0.5	<0.5	510	320	2,600
	7/6/2005	11.18	5.27	5.91	<50	<0.5	<0.5	<0.5	<0.5	43	51	4,900
	10/6/2005	11.18	5.14	6.04	<50	<0.5	<0.5	<0.5	<0.5	25	<25	1,900
	1/9/2006	11.18	4.23	6.95	<50	<0.5	<0.5	<0.5	<0.5	70	84	2,000
	4/10/2006	11.18	4.24	6.94	<50	<0.5	0.59	<0.5	<0.5	13	11	860
	7/11/2006	11.18	4.85	6.33	<50	<0.5	<0.5	<0.5	<0.5	20	24	1,200
	10/18/2006	-	-	-	<50	<0.5	1.6	0.51	1.8	17	12	1,300
	3/13/2008	11.18	5.04	6.14	<50	<0.5	<0.5	<0.5	<0.5	10	11	750
RWQCB ESL May 2008					210	46	130	43	100	1,800	1,800	18,000

Commercial/Industrial - Non drinking water

Notes:

bgs = below ground surface

ft amsl = feet above mean sea level

TOC = Top of Casing; all well elevations and depths to water are measured from TOC

TPH-g = Total Petroleum Hydrocarbons as gasoline

µg/L = micrograms per liter

MTBE = Methyl tertiary-Butyl Ether

TBA = tertiary-Butyl Alcohol

- = Sample not analyzed by this method

Table 4
Excavation Sidewall Analytical Data
796 66tn Avenue, Oakland, California

Sample ID	Sample Depth	Date	TPH-g	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes
			8015	8021B				
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NW	4.0	2/12/2009	<1.0	<0.05	<0.05	<0.05	<0.05	<0.05
NS	4.0	2/12/2009	160	<1.7	<0.17	0.53	0.37	2.6
NS2	4.0	2/23/2009	2.2	2.3	0.027	0.012	0.014	0.028
SW	4.0	2/12/2009	<1.0	<0.05	<0.05	<0.05	<0.05	<0.05
EW	4.0	2/12/2009	38	<0.50	0.0091	0.18	0.42	2.4
Shallow Soil Com/Ind non drinking water RWQCB ESL May 2008			83	8.4	0.27	9.3	47	11

mg/kg = milligrams per kilogram (ppm)

Sample location removed during additional excavation

Table 5
Water Analytical Data
796 66th Avenue, Oakland, California

Sample ID	Sample Depth	Date	TPH-g	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes
			8015	8021B				
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
W	6.5	2/12/2009	71	72	1.2	3.9	1.7	8.5
Com/Ind non drinking water RWQCB ESL May 2008			210	1800	46	130	43	100

µg/L = micrograms per liter

Table 6
Soil Stockpile Analytical Data
796 66th Avenue, Oakland, California

Sample ID	Sample Depth	Date	TPH-g	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	Total Lead	ICP WET Lead
			8015	8021B					6010C	
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L
STK1234	----	2/12/2009	190	<8.0	0.26	1.40	3.6	18	58	1.7

mg/kg = milligrams per kilogram

mg/L = milligrams per Liter

APPENDIX A

Health and Safety Plan

HEALTH AND SAFETY PLAN

Prepared for:

Over Excavation
at
796 66th Ave
Oakland, California

A. INTRODUCTION

This Site Specific Health and Safety Plan is written for the Over Excavation project located at 796 66th Ave in Oakland, CA. All job site personnel will follow OSHA safe operating practices as outlined in 29 CFR 1910 and 1926, as well as established guidelines set forth by AEI Consultants or their respective companies.

B. WORK DESCRIPTION

Prepared by: Kirby Fernando

Site Manager: Dusty Roy

Address: 796 66th Ave
Oakland, CA

Scope of Work: AEI Consultants (AEI) will complete over excavation activities in order to remove hydrocarbon contaminated soil from the subsurface.

C. SITE/WASTE CHARACTERISTICS

Hazard Level:
Serious:
Low: XX
Moderate:
Unknown:

Waste Type:
Solid: XX
Sludge:
Liquid:
Gas:

Hazard Characteristics: Soil contaminated with hydrocarbons, particularly diesel and gasoline.

E. HEALTH AND SAFETY PROCEDURES

This section identifies the principal hazards associated with the tasks to be performed during the over excavation activities, and establishes standard safety and health procedures for the Contractor, the Subcontractors and anyone who comes onto the site. The content of this HASP is designed to anticipate, identify, evaluate, and control safety and health hazards for the work activities to be performed during this project. All on-site work activities by any Subcontractors and their designees shall be performed in accordance with this HASP, and in accordance with applicable federal, state, and local regulations.

The levels of personal protection and the procedures specified in this Plan are based on the best information available from validated reference sources (i.e., OSHA, NIOSH) and current site data. Therefore, the guidelines presented in this HASP represent the minimum health and safety requirements to be observed by all on-site personnel engaged in this project. Discovery of currently unknown site conditions or changes in the scope of work will necessitate the reassessment of the protection levels, controls, and procedures stated herein. All amendments to this HASP must be made in consultation with the Regulatory Agencies, and must have prior written approval by the Environmental Consultant's Certified Industrial Hygienist (CIH) and the Contractor's Project Manager.

PERSONNEL RESPONSIBILITIES

The Contractor, Subcontractor and other personnel on-site shall review and understand this document prior to working on-site.

All personnel shall:

1. Participate in initial site orientation/training and daily safety meetings, and shall provide any required documentation, medical clearance, fit test, asbestos certification, etc. prior to starting work on the site. Documentation requirements are determined by activities to be performed.

2. Sign the HASP Acknowledgement Form (Section J) and other required documents after orientation to indicate that they participated in orientation and understood the information presented in orientation.

3. Follow the designated safety and health procedures; be alert to the hazards associated with working on the site, and exercise reasonable caution at all times.

4. Any questions or concerns about this HASP shall be directed to the on-site Contractor Project Manager and/or the Site Safety Officer.

5. Take all reasonable precautions to prevent injury to themselves and to their fellow employees, and being alert to potentially harmful situations.

6. Obey all applicable laws and regulations relating to health and safety.

7. Ensure that activities do not impact the neighboring community.

8. Perform only those tasks that they have been trained to complete and can do safely.

9. Notify their supervisor of any special medical conditions (i.e., allergies, contact lenses, diabetes) that may affect their ability to perform certain tasks.

10. Notify their supervisor of any prescription and/or non-prescription medication that they may be taking that might cause drowsiness, anxiety, or other unfavorable side affects.

11. Learn and comply with Site security requirements.

12. Comply with the Site's prohibition on drug and alcohol use, smoking, horseplay, and restricted eating/drinking areas.

13. Practice good housekeeping by keeping the work areas neat, clean and orderly.

14. Immediately reporting all injuries, incidents and near-misses to the designated supervisor.

15. Properly use PPE specified by the contractor and this HASP, based on the results of air monitoring.

16. Properly maintain their designated PPE per manufacturers' recommendations.

17. Comply with the HASP and all health and safety recommendations and precautions.

18. Notify their supervisor of any Site conditions or concerns which are not addressed by the protective measures specified in this HASP, or which are addressed but the employee does not understand the protective requirements specified herein.

Contractor

1. The Contractor Project Manager shall have overall responsibility for ensuring health and safety protection on the site and for ensuring that all elements of the HASP are implemented during all phases of the daily on-site activities of this project.

2. The Contractor Project Manager shall oversee the Contractor's responsibility to monitor for visible emissions.

3. The Contractor shall notify the Environmental Consultant's CIH of any need to change or amend any aspect of this HASP and/or seek input with regard to interpretations of the HASP in concert with the designated Safety Officers of the Subcontractors.

4. The Contractor shall consult with and coordinate any modifications to the HASP with the Environmental Consultant's CIH; will recommend corrective actions for identified deficiencies; and will oversee the implementation of any corrective actions.

5. The Contractor shall coordinate the health and safety activities of all the Contractor and Subcontractor personnel to ensure the requirements of the HASP are followed and shall communicate with all parties when changes occur on-site or when conditions impacting the site occur concerning the response actions to be taken.

6. The Contractor shall direct the implementation and enforcement of this HASP and consult with the Subcontractors regarding the health and safety procedures and practices to be used on this project.

7. The Contractor shall enforce the requirements of this HASP with respect to health and safety, air monitoring requirements and waste management requirements.

8. The Contractor shall perform on-site training and the day-to-day on-site implementation and enforcement of the HASP.

9. The Contractor shall ensure site compliance with federal/state/local regulations and all aspects of this HASP including, but not limited to; performing activity hazard analyses, providing guidance concerning the use of PPE, Ensuring site control, developing standard operating procedures to minimize hazards such as the use of engineering controls.

10. The Contractor shall provide all necessary PPE and have "extras" for authorized visitors and agency representatives.

F. HAZARD EVALUATION

The work to be conducted at 796 66th Ave, Oakland, CA comprises construction activities and, as such, falls under Title 29 of the Code of Federal Regulations, Part 1926 (29 CFR 1926), the OSHA Construction Standard.

An evaluation of the anticipated general work activities was performed that included a Hazard Analysis for each general task/activity to identify associated hazardous conditions, appropriate employee protection methods and PPE requirements. The evaluation of potential site conditions and activity hazards is an ongoing process and shall continue throughout the duration of the project.

Potential hazards during the Abatement Phase effort include the following:

- Physical – Excessive noise; inclement weather; heat stress; cold stress; manual lifting; slips and falls; structural integrity; working at elevation; electrical safety; heavy equipment operation; and other general construction hazards.

- Chemical – Asbestos, silica, PAHs, dioxins, man-made vitreous fibers (MMVF), antimony, cadmium, nickel, lead, barium, chromium, zinc, manganese, copper, beryllium, PCBs, mercury, copper, zinc, cristobalite and quartz.

- Biological – Mold; rodents; insects.

- Radiological – None anticipated.

Potential chemical hazards include skin and eye contact or inhalation exposure to potentially toxic concentrations of hydrocarbon vapors. The potential toxic compounds that may exist at the site are listed below with descriptions of specific health effects of each. The list includes the primary potential toxic constituents that may be found at sites which previously handled petroleum hydrocarbons, including home heating diesel fuel.

1. Benzene
    a. Colorless to light yellow, flammable liquid with an aromatic odor.
    b. Toxic hazard by **inhalation**, **adsorption**, **ingestion** and **skin and/or eye contact**.
    c. Exposure may irritate eyes, nose and respiratory system and may cause acute restlessness, convulsions, nausea, or depression. Benzene is carcinogenic.*
    d. Permissible exposure level (PEL) for a time weighted average (TWA) over an eight hour period is 1.0 ppm.

2. Toluene
    a. Colorless liquid with a sweet, pungent, benzene like odor.
    b. Toxic hazard by **inhalation**, **adsorption**, **ingestion** and **skin and/or eye contact**.
    c. Exposure may cause fatigue, weakness, confusion, euphoria, dizziness, headaches, dilated pupils, lacrimation, nervousness, insomnia, paresthesia, and dermatitis.
    d. Permissible exposure level for a time weighted average over an eight hour period is 100 ppm.

3. Xylene
    a. Colorless liquid with an aromatic odor.
    b. Toxic hazard by **inhalation**, **adsorption**, **ingestion** and **skin and/or eye contact**.
    c. Exposure may irritate eyes nose and throat and may cause dizziness, excitement, drowsiness, incoordination, corneal vacuolization, anorexia, nausea, vomiting, and dermatitis.
    d. Permissible exposure level for a time weighted average over an eight hour period is 100 ppm.
4. Ethylbenzene
    a. Colorless liquid with an aromatic odor.

b. Toxic hazard by **inhalation**, **ingestion**, and **skin and/or eye contact**. Ethylbenzene is carcinogenic.*

c. Exposure may irritate eyes and mucous membrane and may cause headaches, dermatitis, narcosis and loss of consciousness.

d. Permissible exposure level for a time weighted average over an eight hour period is 100 ppm.

5. Lead

a. A heavy ductile soft grey metal.

b. Toxic hazard by **inhalation**, **ingestion**, and **skin and/or eye contact**.

c. Exposure may cause weakness, nausea, lassitude, diarrhea, insomnia, anorexia, inflamed mucous membranes and abdominal pains. Lead is carcinogenic.*

d. Permissible exposure level for a time weighted average over an eight hour period is .05 ppb (in vapor).

6. Diesel

a. Colorless to dark brown, combustible liquid with an aromatic odor

b. Toxic hazard by **inhalation**, **ingestion**, **skin and/or eye contact**.

c. Inhalation of vapors may depress the central nervous system, increasing reaction times, and decreasing pulse rate and blood pressure. Skin irritant.

d. Occupational exposure limit 5.0 ppm (in vapor).

7. Gasoline

a. Colorless liquid with a strong aromatic odor. Highly volatile and extremely flammable.

b. Toxic hazard by **inhalation**, **adsorption**, **ingestion** and **skin and/or eye contact**.

c. Inhalation of vapors can cause depression of the central nervous system with symptoms such as headache, dizziness, nausea and loss of coordination. Skin contact can cause defatting of the skin, skin irritation and dermatitis. Benzene is a major constituent of gasoline.

d. Permissible exposure level for a time weighted average over an eight hour period is 300 ppm.

8. Waste Oil

a. Toxic hazard by **ingestion** and possibly **inhalation.**

b. Prolonged contact may cause skin irritation and dermatitis. Waste oil may be carcinogenic.*

c. Waste oil may contain metals or toxic organics from thermal breakdown of the oil. In some cases, chlorinated solvents may be present.

d. Permissible exposure level for a time weighted average over an eight hour period is 5 ppm (in vapor).

*** Known to the State of California to cause cancer.**

G. PERSONAL PROTECTIVE EQUIPMENT (PPE)

Personal protective equipment will be used to provide adequate personnel protection only after feasible engineering and administrative control options have been exhausted. All personnel engaged in the project work activities will use the appropriate level of protection as required by the activity to be performed.

All PPE requirements for site activities are based upon available historical site characterization data, knowledge of the anticipated hazards, and minimum requirements set forth by City, State and Federal rules. Changes in levels of PPE and changes in the PPE requirements for specific areas shall be made based upon the results of monitoring, visual observations and the nature of the site operations, including the presence of or potential for previously unidentified chemicals or conditions.

In accordance with OSHA 29 CFR 1910.132-138 and 1926.28 (Personal Protective Equipment), all PPE shall be provided, used, and maintained in a sanitary and reliable condition. All PPE shall be of construction, design, and material to protect employees against known or anticipated hazards. PPE shall be selected that properly and appropriately fits the employee. PPE shall be worn in compliance with PPE requirements of NYC DEP and OSHA.

Basic PPE Requirements

Each employee will wear a hard hat and safety glasses or other eye protection at all times while onsite, except for designated “safe” areas. Eye protection includes safety glasses, safety goggles, welding goggles, welding hoods, or full-face respirators. Prescription or non-prescription eyeglasses and sunglasses are not approved for eye protection. All acceptable eye protection must include side shields and must be ANSI-approved. Unless in designated safe locations, all personnel shall have with them and/or wear the following PPE when entering the site:

- Work clothes without loose sleeves and cuffs
- American National Standards Institute (ANSI) - approved safety boots
- ANSI - approved safety glasses
- ANSI - approved hard hat with bill facing forward
- Work gloves (either leather or cotton)
- Hearing protection (as necessary)

The above listed PPE ensemble, defined as Level D, shall be worn during all outdoor site activities and inside of the building after clearance testing has been completed.

Level C PPE

Level C PPE shall be worn when deemed necessary by the contractor based on site conditions. Level C PPE consists of:

- Full-face powered air-purifying respirator (PAPR) with HEPA filter approved by the National Institute for Occupational Safety and Health (NIOSH)/Mine Safety and Health Administration (MSHA).
- Half-face air-purifying respirators (APR) may be used during work preparation activities.
- Gloves - nitrile inner; chemical resistant outer (nitrile or neoprene)
- ANSI-approved safety boots
- ANSI–approved Eye protection – safety glasses or goggles
- ANSI-approved hardhat with bill facing forward
- Tyvek coveralls with head cover (Two layers Tyvek or equivalent)
- Water-resistant over boots which are treaded to provide slip protection
- Hearing protection (as necessary)

Level B PPE

Use of this type of PPE is not anticipated at this site. Should work conditions and personnel sampling exceed action levels for a PPE upgrade to Level B, operations shall cease in that area until site conditions can be re-evaluated by the Contractor and the Environmental Consultant's CIH.

Level A PPE

Use of this type of PPE is not anticipated at this site. Should work conditions and personnel sampling exceed action levels for a PPE upgrade to Level A, operations shall cease in that area until site conditions can be re-evaluated by the Contractor and the Environmental Consultant's CIH.

SAFETY EQUIPMENT

The following emergency equipment will be located in the CRZ: fire extinguishers, spill control equipment, and decontamination equipment.

Communication equipment will include radio contact between the Contractor CSO, and each crew supervisor. Emergency evacuation will be communicated by air horn. Safety orientation will include a review of these procedures, and a test of the evacuation signal. In the event of an emergency condition, the Contractor CSO will notify project personnel verbally if all are within immediate hearing and via air horn/bullhorn workers are within the buildings. The Contractor CSO will also notify visitors present within the area. Site personnel will immediately proceed to a pre-designated assembly area. Personnel will remain in the designated area until further instructions are received by the CSO. All communication equipment will be tested at the beginning of each day to verify operational integrity.

The requirements for PPE on this job may be refined and changed to address the conditions identified when tasks are performed. The Subcontractors will work with the Contractor to ensure

the proper PPE is maintained and available on-site at all times, and that personnel are trained to use the PPE and understand the procedures and practices for the safe and effective use of PPE.

The Subcontractors will provide the required PPE for their employees.

The PPE requirements presented in this HASP are the minimally acceptable for the specified activity. Subcontractors can make individual decisions to upgrade the equipment requirements for each PPE level to ensure the hazards presented by an activity are controlled and exposure is minimized. Engineering and administrative controls will be identified and implemented for each activity prior to use of PPE.

Medical Response Equipment

The following medical response equipment shall be available on-site for the duration of the site activities. The locations of these equipment stations shall be determined at the site and incorporated into this HASP upon initiation of each task. The Contractor CSO shall maintain responsibility for the incorporation of this information into this HASP.

- Eyewash Stations: The location of emergency eyewash stations shall be determined. Each station shall provide a continuous spray of a rate of 0.4 gallons per minute for at least 15 minutes. This station shall be inspected daily to ensure proper operation.

- First Aid Kits: The locations of fixed and/or portable kits shall be determined. As a general guideline, each Subcontractor shall provide, at minimum, one first aid kit for every 20 employees and shall station it within the work area (for Level D operations) or directly outside the decontamination area (contaminant reduction zone) (for Level C or Level B operations).

The locations of eyewashes and first aid kits and the procedures for using and reporting an incident shall be presented during the initial on-site training. The Contractor CSO shall make all personnel aware of the locations and use of this equipment prior to engaging in site work activities.

H. SITE CONTROL

Site control measures shall be implemented to protect the public and personnel working on-site. The aspects of site control shall address general access to the site; and access to the building and site during the project.

Fences, guardrails and access devices, including ladders, stairways, and walking surfaces shall be provided and maintained throughout the project activities in accordance with 29 CFR 1926. In addition, barricades, warning signs, temporary lighting and other safety measures shall be provided, as required, to protect site personnel.

All visitors to the site shall report first to the Contractor field office. Visitor access shall be limited to the Support Zone and Level D operation areas only, and shall be allowed only with the prior consent of the Contractor Site Manager.

No visitor (other than regulatory inspectors) shall enter a work area unescorted by a Contractor or Contractor representative. The presence of any regulatory agency on-site shall be reported immediately to the Contractor Site Manager.

Safety Meetings

A safety meeting shall be held each day with the Contractor prior to initiating the scheduled activities and at the beginning of each day. The topics and content for the Safety Meeting shall be prepared in advance by the Contractor. The safety meeting shall review elements in the site HASP and the procedures for working on-site, and address the impacts of changes to the site conditions.

Topics to be addressed include:

- Use and maintenance of PPE
- Evacuation routes;
- Warning signals;
- Maintaining line-of-sight and communications;
- Rehearsal of scheduled activities;
- Hospital routes;
- Locations of safety equipment;
- Previous violations of the safety plan and procedures or changes to the program to correct the violation;
- Anticipated hazards for the day's work activities;
- Any changes to the requirements for levels of PPE;
- The locations of work zones; and
- General site conditions.

All safety meetings shall be documented in the site H&S logbook. Meeting participants shall sign an attendance sheet.

All personnel directly involved in the project site activities shall be trained for the tasks they will perform, as required by applicable federal/state/local regulations. This training shall be administrated by the Contractor, or certified training facilities.

Health and Safety Awareness Training

Each Contractor shall be responsible for presenting and discussing the elements of this HASP with their personnel, and ensuring that personnel follow the elements of this HASP when working on-site. Prior to the start of work activities, or whenever a new hazard is introduced into the work area, employees shall be provided with the information indicated below. The Contractor or HASP CIH shall be available to address any questions or assist in the presentation of the HASP information to project employees. Information to be addressed during this training shall include, but not be limited to:

- Hazardous chemicals present at the work site and their associated health risks.
- Potential physical hazards associated with the work activities, and proper safety practices.
- Proper use of all tools and equipment to complete the scope of work activities.
- Requirements of the site Hazard Communication Program, including the labeling of containers.
- Site alarm system, emergency response procedures, and location of emergency lay down Area.
- Proper PPE to be used during work activities.
- Location of the MSDS files.
- How to reduce or prevent exposure to hazardous chemicals through the use of procedures, work practices, and personal protective equipment.

HAZWOPER Training

Personnel entering the exclusion or contamination zones for the purpose of performing cleanup abatement activities must have received the required 40 hour training as outlined by 29 CFR 31 1910.120(a) (i) and appropriate annual refresher training as required. This HAZWOPER training requirement may be removed, should sampling indicate training requirement downgrade is appropriate.

I. EMERGENCY HOSPITAL

The closest hospital with an emergency room is:

Alameda Hospital	**Alameda Hospital** **2070 Clinton Ave, Alameda, CA** **(510) 522-3700**
Emergency	**911**

DIRECTIONS FROM THE JOB SITE ARE ATTACHED

796 66th Ave, Oakland, CA 94621

	1. Head **east** on **66th Ave**	go 0.2 mi total 0.2 mi
	2. Turn **left** at **San Leandro St** About 5 mins	go 1.9 mi total 2.1 mi
	3. Turn **left** at **Fruitvale Ave** About 2 mins	go 0.6 mi total 2.6 mi
	4. Continue on **Tilden Way** About 1 min	go 0.5 mi total 3.2 mi
	5. Turn **left** at **Park St** About 3 mins	go 0.5 mi total 3.7 mi
	6. Turn **right** at **Clinton Ave** Destination will be on the left About 2 mins	go 0.5 mi total 4.2 mi

Alameda Hospital
2070 Clinton Ave, Alameda, CA 94501 - (510) 522-3700

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

J. READ AND SIGN

The work party was briefed on the contents of this plan on _____ at 8:00 am. All site personnel have read the above plan and are familiar with its provisions.

NAME: SIGNATURE: COMPANY NAME:

_____

_____

_____

_____

_____

_____

_____

APPENDIX B

Laboratory Analyses
with
Chain of Custody Documentation

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #278361; Cruise America	Date Sampled: 02/12/09
		Date Received: 02/12/09
	Client Contact: Kirby Fernando	Date Reported: 02/13/09
	Client P.O.:	Date Completed: 02/13/09

WorkOrder: 0902334

February 13, 2009

Dear Kirby:

Enclosed within are:

1) The results of the **5** analyzed samples from your project: **#278361; Cruise America,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

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.

0902334

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

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: Kirby Fernando	Bill To: AEI Consultants
Company: AEI Consultants	
2500 Camino Diablo #200, Walnut Creek 94597	
E-Mail: kfernando@aeiconsultants.com	
Tele: (925) 944-2899 x123	Fax: (925) 944-2895
Project #: 278361	Project Name: Cruise America
Project Location: 796 66th Ave, Oakland	
Sampler Signature:	

SAMPLE ID	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
NW	Northwest 4½	2/12	9:45	1	BT		X				X			
NS	North side	"	11:40	"	BT		X				"			
[redacted]W	[redacted]	"	11:50	"	VOA	X					"			
[redacted]SW	[redacted]South wall	"	12:20	"	BT		X				"			
EW	East wall	"	12:30	"	BT		X				"			

Analysis Request

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015) / Motor Oil	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)	Other	Comments
X	X FF				X FF										X FF		Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
	2/12/09	16:30	Enviro Tech
Enviro Tech III	2/12/09	17:45	Vicky Daly
Vicky Daly	2-12-09	6:15 PM	

ICE/t° YES 39°C
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

COMMENTS:

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0902334 **ClientCode: AEL**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Kirby Fernando
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(925) 283-6000 FAX (925) 283-6121

Email: kfernando@aeiconsultants.com
cc:
PO:
ProjectNo: #278361; Cruise America

Bill to:
Denise Mockel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
dmockel@aeiconsultants.com

Requested TAT: 1 day

Date Received: **02/12/2009**
Date Printed: **02/12/2009**

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
0902334-001	NW	Soil	2/12/2009 9:45	☐	A											
0902334-002	NS	Soil	2/12/2009 11:40	☐	A											
0902334-003	W	Water	2/12/2009 11:50	☐		A										
0902334-004	SW	Soil	2/12/2009 12:20	☐	A											
0902334-005	EW	Soil	2/12/2009 12:30	☐	A											

Test Legend:

1	G-MBTEX_S	2	G-MBTEX_W	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Samantha Arbuckle

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.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEI Consultants**

Date and Time Received: **02/12/09 6:26:46 PM**

Project Name: **#278361; Cruise America**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **0902334** Matrix Soil/Water

Carrier: EnviroTech

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: 3.9°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #278361; Cruise America	Date Sampled: 02/12/09
		Date Received: 02/12/09
2500 Camino Diablo, Ste. #200	Client Contact: Kirby Fernando	Date Extracted: 02/12/09-02/13/09
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 02/13/09

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 0902334

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	NW	S	ND	ND	ND	ND	ND	ND	1	98
002A	NS	S	160,d7,d9	ND<1.7	ND<0.17	0.53	0.37	2.6	33	112
003A	W	W	71,d1	72	1.2	3.9	1.7	8.5	1	115
004A	SW	S	ND	ND	ND	ND	ND	ND	1	83
005A	EW	S	38,d1	ND<0.50	0.0091	0.18	0.42	2.4	1	104

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5	0.5	0.5	0.5	0.5	µg/L
	S	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d1) weakly modified or unmodified gasoline is significant
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9) no recognizable pattern

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 41324 WorkOrder: 0902334

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 0902253-028A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	105	99.9	5.03	105	107	2.33	70 - 130	20	70 - 130	20
MTBE	ND	0.10	111	120	7.94	107	114	6.15	70 - 130	20	70 - 130	20
Benzene	ND	0.10	102	103	0.784	98.8	98.8	0	70 - 130	20	70 - 130	20
Toluene	ND	0.10	112	113	0.994	109	109	0	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	109	111	1.82	108	108	0	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	116	118	1.88	120	119	0.605	70 - 130	20	70 - 130	20
%SS:	94	0.10	106	100	5.85	103	104	1.32	70 - 130	20	70 - 130	20

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

BATCH 41324 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0902334-001A	02/12/09 9:45 AM	02/12/09	02/13/09 1:52 PM				

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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

NR = matrix interference and/or 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.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 41403 WorkOrder: 0902334

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 0902334-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	84.7	89.8	5.88	82.5	86.1	4.21	70 - 130	20	70 - 130	20
MTBE	ND	0.10	80.4	84.6	5.00	76.1	77.5	1.82	70 - 130	20	70 - 130	20
Benzene	ND	0.10	82.7	89.2	7.65	81.3	83.2	2.38	70 - 130	20	70 - 130	20
Toluene	ND	0.10	81.4	87.8	7.55	79.9	82.5	3.10	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	87	93.6	7.27	85.1	88.1	3.49	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	95.9	103	7.13	94.1	96.9	2.98	70 - 130	20	70 - 130	20
%SS:	83	0.10	90	77	15.6	89	96	7.66	70 - 130	20	70 - 130	20

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

BATCH 41403 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0902334-002A	02/12/09 11:40 AM	02/12/09	02/13/09 12:14 PM	0902334-004A	02/12/09 12:20 PM	02/12/09	02/13/09 12:03 PM
0902334-005A	02/12/09 12:30 PM	02/12/09	02/13/09 3:18 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

NR = matrix interference and/or 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.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 41404 WorkOrder: 0902334

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: LCS-41404**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	90	86.2	3.56	89.3	92.2	2.44	70 - 130	20	70 - 130	20
MTBE	ND	10	92.9	86	10.0	77.8	100	7.80	70 - 130	20	70 - 130	20
Benzene	ND	10	90.9	72.5	6.94	77.8	85.9	5.57	70 - 130	20	70 - 130	20
Toluene	ND	10	92.8	78.4	3.41	81.1	89	4.19	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	93.5	87.5	7.27	81.4	88.2	5.83	70 - 130	20	70 - 130	20
Xylenes	ND	30	105	99	6.58	92.7	99.9	5.42	70 - 130	20	70 - 130	20
%SS:	99	10	101	102	1.62	100	101	0.530	70 - 130	20	70 - 130	20

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

BATCH 41404 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0902334-003A	02/12/09 11:50 AM	02/13/09	02/13/09 8:50 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

NR = matrix interference and/or 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, or inconsistency in sample containers.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #278361; Cruise America	Date Sampled: 02/23/09
		Date Received: 02/23/09
	Client Contact: Kirby Fernando	Date Reported: 02/24/09
	Client P.O.:	Date Completed: 02/24/09

WorkOrder: 0902606

February 24, 2009

Dear Kirby:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#278361; Cruise America,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

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.

0902606

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

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: Kirby Fernando Bill To: AEI Consultants

Company: AEI Consultants

2500 Camino Diablo #200, Walnut Creek 94597

E-Mail: kfernando@aeiconsultants.com

Tele: (925) 944-2899 x123 Fax: (925) 944-2895

Project #: 279361 Project Name: Cruise America

Project Location: 796 66th Ave, Oakland

Sampler Signature:

SAMPLE ID	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
NS2	North Side Ga	2/23	1:30	1	BT		X				X			

Analysis Request

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)
X															

Other

Comments: Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
	2/23/09	4:35	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 8.4° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT____
DECHLORINATED IN LAB____
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB____

COMMENTS:

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0902606 **ClientCode: AEL**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Kirby Fernando
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(925) 283-6000 FAX (925) 283-6121

Email: kfernando@aeiconsultants.com
cc:
PO:
ProjectNo: #278361; Cruise America

Bill to:
Denise Mockel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
dmockel@aeiconsultants.com

Requested TAT: 1 day

Date Received: **02/23/2009**
Date Printed: **02/23/2009**

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
0902606-001	NS2	Soil	2/23/2009 13:30	☐	A											

Test Legend:

1	G-MBTEX_S	2		3		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.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEI Consultants**

Date and Time Received: **2/23/09 6:13:52 PM**

Project Name: **#278361; Cruise America**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0902606** Matrix Soil

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: 8.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #278361; Cruise America	Date Sampled: 02/23/09
		Date Received: 02/23/09
2500 Camino Diablo, Ste. #200	Client Contact: Kirby Fernando	Date Extracted: 02/23/09
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 02/24/09

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Bm Work Order: 0902606

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	NS2	S	2.2,d1	2.3	0.027	0.012	0.014	0.028	1	83

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

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

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d1) weakly modified or unmodified gasoline is significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 41623 WorkOrder: 0902606

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 0902651-007A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	98.1	95.1	3.09	84.6	80.9	4.45	70 - 130	20	70 - 130	20
MTBE	ND	0.10	95.4	94.4	1.06	85.1	75.6	11.8	70 - 130	20	70 - 130	20
Benzene	ND	0.10	92.7	91.3	1.56	95.1	84.8	11.5	70 - 130	20	70 - 130	20
Toluene	ND	0.10	92.6	91.3	1.42	93.4	83.8	10.8	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	93.5	92.9	0.643	99.5	89.1	11.0	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	105	106	0.430	109	98	10.9	70 - 130	20	70 - 130	20
%SS:	86	0.10	102	99	3.04	82	75	8.64	70 - 130	20	70 - 130	20

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

BATCH 41623 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0902606-001A	02/23/09 1:30 PM	02/23/09	02/24/09 9:48 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

NR = matrix interference and/or 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

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #278361; Cruise America	Date Sampled: 02/12/09
		Date Received: 02/12/09
	Client Contact: Kirby Fernando	Date Reported: 02/13/09
	Client P.O.:	Date Completed: 02/13/09

WorkOrder: 0902333

February 13, 2009

Dear Kirby:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#278361; Cruise America,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

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.

0902333

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

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: Kirby Fernando **Bill To:** AEI Consultants

Company: AEI Consultants

2500 Camino Diablo #200, Walnut Creek 94597

E-Mail: kfernando@aeiconsultants.com

Tele: (925) 944-2899 x123 **Fax:** (925) 944-2895

Project #: 278361 **Project Name:** Cruise America

Project Location: 796 66th Ave, Oakland

Sampler Signature:

SAMPLE ID	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	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)	Other	Other	Other	Comments
STK1234	Stockpile	2/12	1:00	4	BT		X				X				X															X				Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
	2/12/09	16:34	EnviroTech T.L
EnviroTech T.L	2/12/09	17:47	
	2/12/09	6:15PM	

ICE/t° 4.5 3.9°C
GOOD CONDITION ✓
HEAD SPACE ABSENT N/A
DECHLORINATED IN LAB N/A
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB W.O

COMMENTS:

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0902333 **ClientCode: AEL**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Kirby Fernando
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(925) 283-6000 FAX (925) 283-6121

Email: kfernando@aeiconsultants.com
cc:
PO:
ProjectNo: #278361; Cruise America

Bill to:
Denise Mockel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
dmockel@aeiconsultants.com

Requested TAT: 1 day

Date Received: **02/12/2009**
Date Printed: **02/12/2009**

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
0902333-001	STK1234	Soil	2/12/2009 13:00	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	PB_S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Samantha Arbuckle

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.

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Sample Receipt Checklist

Client Name: **AEI Consultants**

Date and Time Received: **02/12/09 6:20:05 PM**

Project Name: **#278361; Cruise America**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **0902333** Matrix Soil

Carrier: EnviroTech

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: 3.9°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #278361; Cruise America	Date Sampled: 02/12/09
		Date Received: 02/12/09
2500 Camino Diablo, Ste. #200	Client Contact: Kirby Fernando	Date Extracted: 02/12/09
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 02/13/09

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 0902333

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	STK1234	S	190,d1	ND<8.0	0.26	1.4	3.6	18	20	---#

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

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

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d1) weakly modified or unmodified gasoline is significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #278361; Cruise America	Date Sampled: 02/12/09
		Date Received: 02/12/09
2500 Camino Diablo, Ste. #200	Client Contact: Kirby Fernando	Date Extracted: 02/12/09
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed: 02/13/09

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0902333

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS
0902333-001A	STK1234	S	TOTAL	58	1	110

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TOTAL	5.0	mg/Kg

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

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 41324 WorkOrder: 0902333

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 0902253-028A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	105	99.9	5.03	105	107	2.33	70 - 130	20	70 - 130	20
MTBE	ND	0.10	111	120	7.94	107	114	6.15	70 - 130	20	70 - 130	20
Benzene	ND	0.10	102	103	0.784	98.8	98.8	0	70 - 130	20	70 - 130	20
Toluene	ND	0.10	112	113	0.994	109	109	0	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	109	111	1.82	108	108	0	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	116	118	1.88	120	119	0.605	70 - 130	20	70 - 130	20
%SS:	94	0.10	106	100	5.85	103	104	1.32	70 - 130	20	70 - 130	20

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

BATCH 41324 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0902333-001A	02/12/09 1:00 PM	02/12/09	02/13/09 11:44 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

NR = matrix interference and/or 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.

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0902333

EPA Method 6010C **Extraction SW3050B** **BatchID: 41327** **Spiked Sample ID 0902253-028A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	11	50	89.2	93.6	3.87	10	107	105	1.85	75 - 125	20	75 - 125	20
%SS:	115	250	115	113	1.23	250	109	107	1.67	70 - 130	20	70 - 130	20

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

BATCH 41327 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0902333-001A	02/12/09 1:00 PM	02/12/09	02/13/09 2:03 PM				

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 applicable to this method.

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.

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #278361; Cruise America	Date Sampled: 02/12/09
		Date Received: 02/12/09
	Client Contact: Kirby Fernando	Date Reported: 02/13/09
	Client P.O.:	Date Completed: 02/17/09

WorkOrder: 0902333

February 17, 2009

Dear Kirby:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#278361; Cruise America,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

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.

0902333

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

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: Kirby Fernando	Bill To: AEI Consultants
Company: AEI Consultants	
2500 Camino Diablo #200, Walnut Creek 94597	
E-Mail: kfernando@aeiconsultants.com	
Tele: (925) 944-2899 x123	Fax: (925) 944-2895
Project #: 278361	Project Name: Cruise America
Project Location: 796 66th Ave, Oakland	
Sampler Signature:	

SAMPLE ID	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	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)	Other	Comments
STK1234	Stockpile	2/12	1:00	4	BT		X				X				X																X	X	STLC Pb added on 2/13/09 email Push TAT per K.F email

Relinquished By:	Date: 2/12/09	Time: 16:34	Received By: Enviro Tech T.L
Relinquished By: Enviro-Tech T.L	Date: 2/12/09	Time: 17:47	Received By:
Relinquished By:	Date: 2.12.09	Time: 6:15PM	Received By:

ICE/t° VES 3.9°C
GOOD CONDITION ✓
HEAD SPACE ABSENT N/A
DECHLORINATED IN LAB N/A
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB N/A

COMMENTS:

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 090233 A **ClientCode: AEL**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Kirby Fernando
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(925) 283-6000 FAX (925) 944-2895

Email: kfernando@aeiconsultants.com
cc:
PO:
ProjectNo: #278361; Cruise America

Bill to:
Denise Mockel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
dmockel@aeiconsultants.com

Requested TAT: 1 day
Date Received: **02/12/2009**
Date Add-On: **02/13/2009**
Date Printed: **02/13/2009**

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
0902333-001	STK1234	Soil	2/12/2009 13:00	☐	A											

Test Legend:

1	STLC_METALS_Soil	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Samantha Arbuckle

Comments: STLC Pb added on 2/13/09 on a rush tat per K/F/email

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.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #278361; Cruise America	Date Sampled: 02/12/09
		Date Received: 02/12/09
2500 Camino Diablo, Ste. #200	Client Contact: Kirby Fernando	Date Extracted: 02/13/09-02/15/09
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed: 02/17/09

ICP Metals*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0902333

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS
0902333-001A	STK1234	S	WET	1.7	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit				
	W	TOTAL	NA	µg/L
	S	WET	0.2	mg/L

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

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 41311 WorkOrder: 0902333

EPA Method SW6010C **Extraction CA Title 22** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	N/A	1	N/A	N/A	N/A	96.7	99.9	3.32	N/A	N/A	80 - 120	20

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

BATCH 41311 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0902333-001A	02/12/09 1:00 PM	02/13/09	02/17/09 1:43 PM				

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 applicable to this method.

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

Transportation and Disposal Documents

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Coffin Butte Landfill**
28972 Coffin Butte Road
Corvallis, OR 97330
Phone (541) 745-2018
Fax (541) 745-3826

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Cruise America

MAILING ADDRESS: 11 West Hampton Ave

CITY, STATE, ZIP: Mesa AZ 85210

PHONE: 925 746 6000

CONTACT PERSON: Kirby Fernandez

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE: 2/25/09

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ❑ DISPOSAL
- ❑ CONSTRUCTION
- ❑ DEBRIS
- ❑ SPECIAL WASTE
- ❑ SLUDGE
- ❑ WOOD
- ❑ OTHER

GENERATING FACILITY: 796 66th Ave; Oakland

WASTE ACCEPTANCE NO.: 21249 - 2098

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

❑ GLOVES ❑ GOGGLES ❑ RESPIRATOR ❑ HARD HAT
❑ TY-VEK ❑ SAFETY VEST

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: AET

ADDRESS: 2500 Camino Diablo #200

CITY, STATE, ZIP: Walnut Creek CA 94597

PHONE: 925 746 6000

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] | DATE: 2/25/09

NOTES: V Save rental Equipm-

VEHICLE LICENSE NUMBER	TRUCK NUMBER
8P19373	2942

END DUMP	BOTTOM DUMP	TRANSFER
❑	❑	❑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
❑	☒	❑	❑

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature] | DATE: 2-25-09

CUBIC YARDS: 20

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
❑ SOIL	X	
❑ CONSTRUCTION DEBRIS		
❑ NON-FRIABLE ASBESTOS		
❑ WOOD		
❑ ASH		
❑ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL • ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 100105

GENERATOR COPY

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Coffin Butte Landfill**
28972 Coffin Butte Road
Corvallis, OR 97330
Phone (541) 745-2018
Fax (541) 745-3826

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Cruise America

MAILING ADDRESS: 11 West Hampton Ave

CITY, STATE, ZIP: Mesa Az 85210

PHONE: 925 746 6000

CONTACT PERSON: Kirby Ferrendo

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE: 2/25/09

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ❑ DISPOSAL
- ❑ CONSTRUCTION
- ❑ DEBRIS
- ❑ SPECIAL WASTE
- ❑ SLUDGE
- ❑ WOOD
- ❑ OTHER

GENERATING FACILITY: 796 66th Ave ; Oakland

WASTE ACCEPTANCE NO.

21249 – 2098

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

❑ GLOVES ❑ GOGGLES ❑ RESPIRATOR ❑ HARD HAT
❑ TY-VEK ❑ SAFETY VEST

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: AET

ADDRESS: 2500 Camino Diablo

CITY, STATE, ZIP: Walnut Creek CA 94597

PHONE: 925 746 6600

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] | DATE: 2/25/09

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
8P19373	2942

END DUMP	BOTTOM DUMP	TRANSFER
❑	❑	❑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
❑	☒	❑	❑

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature] | DATE: 2-25-09

CUBIC YARDS: 20

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
❑ SOIL	X	
❑ CONSTRUCTION DEBRIS		
❑ NON-FRIABLE ASBESTOS		
❑ WOOD		
❑ ASH		
❑ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 100106

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Coffin Butte Landfill**
28972 Coffin Butte Road
Corvallis, OR 97330
Phone (541) 745-2018
Fax (541) 745-3826

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Cruise America

MAILING ADDRESS: 11 West Hampton Ave

CITY, STATE, ZIP: Mesa AZ 85210

PHONE: 925 746 6000

CONTACT PERSON: Kirby Fernandez

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE: 2/25/09

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ❑ DISPOSAL
- ❑ CONSTRUCTION
- ❑ DEBRIS
- ❑ SPECIAL WASTE
- ❑ SLUDGE
- ❑ WOOD
- ❑ OTHER

GENERATING FACILITY: 796 10th Ave. Oakland

WASTE ACCEPTANCE NO.: 21249-2098

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

❑ GLOVES ❑ GOGGLES ❑ RESPIRATOR ❑ HARD HAT
❑ TY-VEK ❑ SAFETY VEST

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: NEI

ADDRESS: 2300 Camino Diablo #200

CITY, STATE, ZIP: Walnut Creek CA 94597

PHONE: 925 746 6000

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] | DATE: 2/25/09

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
8P19373	2942

END DUMP	BOTTOM DUMP	TRANSFER
❑	❑	❑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
❑	☒	❑	❑

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature] | DATE: 2-25-09

CUBIC YARDS: 10

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☒ SOIL	X	
❑ CONSTRUCTION DEBRIS		
❑ NON-FRIABLE ASBESTOS		
❑ WOOD		
❑ ASH		
❑ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 100107

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Coffin Butte Landfill**
28972 Coffin Butte Road
Corvallis, OR 97330
Phone (541) 745-2018
Fax (541) 745-3826

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Cruise America

MAILING ADDRESS: 11 West Hampton Ave

CITY, STATE, ZIP: Mesa Az 85210

PHONE: 925 746 6000

CONTACT PERSON: Ricky Fernandez

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] DATE: 2/25/09

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ❑ DISPOSAL
- ❑ CONSTRUCTION
- ❑ DEBRIS
- ❑ SPECIAL WASTE
- ❑ SLUDGE
- ❑ WOOD
- ❑ OTHER

GENERATING FACILITY: 7960 66th Ave; Oakland

WASTE ACCEPTANCE NO.: 21249 -2098

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

❑ GLOVES ❑ GOGGLES ❑ RESPIRATOR ❑ HARD HAT
❑ TY-VEK ❑ SAFETY VEST

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Charles Hurtado

ADDRESS: 2500 Amino Dr #6

CITY, STATE, ZIP: Walnut Creek

PHONE: (925) 250 0002

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] DATE: 2/25/09

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
8P19372	2941

END DUMP	BOTTOM DUMP	TRANSFER
❑	❑	❑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
❑	❑	❑	❑

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature] DATE: 2-25-09

CUBIC YARDS: 20

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
❑ SOIL	X	
❑ CONSTRUCTION DEBRIS		
❑ NON-FRIABLE ASBESTOS		
❑ WOOD		
❑ ASH		
❑ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 100108

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Coffin Butte Landfill**
28972 Coffin Butte Road
Corvallis, OR 97330
Phone (541) 745-2018
Fax (541) 745-3826

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Cruise America

MAILING ADDRESS: 11 West Hampton Ave

CITY, STATE, ZIP: Mesa AZ 85210

PHONE: 925 746 6000

CONTACT PERSON: Kirby Fennenbo

SIGNATURE OF AUTHORIZED AGENT / TITLE: * | DATE: 2/25/09

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ❑ DISPOSAL
- ❑ CONSTRUCTION
- ❑ DEBRIS
- ❑ SPECIAL WASTE
- ❑ SLUDGE
- ❑ WOOD
- ❑ OTHER

GENERATING FACILITY: 796 66th Ave ; Oakland

WASTE ACCEPTANCE NO.: 21249 -2099

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

❑ GLOVES ❑ GOGGLES ❑ RESPIRATOR ❑ HARD HAT ❑ TY-VEK ❑ SAFETY VEST

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: CHARLES HUNTER

ADDRESS: 2300 CAMINO PABLO

CITY, STATE, ZIP: WALNUT CREEK

PHONE: (925) 250-0622

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * | DATE: 2/24/09

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
8P19372	2941

END DUMP	BOTTOM DUMP	TRANSFER
❑	❑	❑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
❑	❑	❑	❑

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * | DATE: 2-25-09

CUBIC YARDS: 20

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
❑ SOIL	X	
❑ CONSTRUCTION DEBRIS		
❑ NON-FRIABLE ASBESTOS		
❑ WOOD		
❑ ASH		
❑ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 100109

GENERATOR COPY

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Coffin Butte Landfill**
28972 Coffin Butte Road
Corvallis, OR 97330
Phone (541) 745-2018
Fax (541) 745-3826

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Cruse American

MAILING ADDRESS: 11 West Hampton Ave

CITY, STATE, ZIP: Mesa Az 85210

PHONE: 925 746 6000

CONTACT PERSON: Kirby Ferrando

SIGNATURE OF AUTHORIZED AGENT / TITLE: * | DATE: 2/25/09

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ❑ DISPOSAL
- ❑ CONSTRUCTION
- ❑ DEBRIS
- ❑ SPECIAL WASTE
- ❑ SLUDGE
- ❑ WOOD
- ❑ OTHER

GENERATING FACILITY: 96 40th Ave; Oakland

WASTE ACCEPTANCE NO.: 21245 -2098

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

❑ GLOVES ❑ GOGGLES ❑ RESPIRATOR ❑ HARD HAT
❑ TY-VEK ❑ SAFETY VEST

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Charles Hurtado

ADDRESS: 2500 Camino Diablo Blvd

CITY, STATE, ZIP: Walnut Creek

PHONE: (925) 250 0002

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * | DATE: 2/25/09

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
8P19372	2941

END DUMP	BOTTOM DUMP	TRANSFER
❑	❑	❑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
❑	☒	❑	❑

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * | DATE: 2-24-09

CUBIC YARDS: 70

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☒ SOIL	X	
❑ CONSTRUCTION DEBRIS		
❑ NON-FRIABLE ASBESTOS		
❑ WOOD		
❑ ASH		
❑ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 100110

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Coffin Butte Landfill**
28972 Coffin Butte Road
Corvallis, OR 97330
Phone (541) 745-2018
Fax (541) 745-3826

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Cruise America

MAILING ADDRESS: 11 West Hampton Ave

CITY, STATE, ZIP: Mesa AZ 85210

PHONE: 925 746 6000

CONTACT PERSON: Kirby Fernandez

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE: 2/26/09

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ❑ DISPOSAL
- ❑ CONSTRUCTION
- ❑ DEBRIS
- ❑ SPECIAL WASTE
- ❑ SLUDGE
- ❑ WOOD
- ❑ OTHER

GENERATING FACILITY: 796 66th Ave, Oakland

WASTE ACCEPTANCE NO.: 21279 – 2098

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

❑ GLOVES ❑ GOGGLES ❑ RESPIRATOR ❑ HARD HAT ❑ TY-VEK ❑ SAFETY VEST

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: AEI

ADDRESS: 2500 Camino Diablo #200

CITY, STATE, ZIP: Walnut Creek CA 94597

PHONE: 925 746 6000

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] | DATE: 2/26/09

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
8P19373	2942

END DUMP	BOTTOM DUMP	TRANSFER
❑	❑	❑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
❑	☒	❑	❑

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature] | DATE: 2-26-09

CUBIC YARDS: 10

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☒ SOIL	X	
❑ CONSTRUCTION DEBRIS		
❑ NON-FRIABLE ASBESTOS		
❑ WOOD		
❑ ASH		
❑ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 100111

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Coffin Butte Landfill**
28972 Coffin Butte Road
Corvallis, OR 97330
Phone (541) 745-2018
Fax (541) 745-3826

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Cruise America

MAILING ADDRESS: 11 West Hampton Ave

CITY, STATE, ZIP: Mesa AZ 85210

PHONE: 925 746 6000

CONTACT PERSON: Kirby Fernandez

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE: 2/26/09

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ❑ DISPOSAL
- ❑ CONSTRUCTION
- ❑ DEBRIS
- ❑ SPECIAL WASTE
- ❑ SLUDGE
- ❑ WOOD
- ❑ OTHER

GENERATING FACILITY: 796 66th Ave, Oakland

WASTE ACCEPTANCE NO.: 21249 – 2098

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

❑ GLOVES ❑ GOGGLES ❑ RESPIRATOR ❑ HARD HAT
❑ TY-VEK ❑ SAFETY VEST

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: CHARLES HURTADO

ADDRESS: 2500 CAMINO DIABLO

CITY, STATE, ZIP: WALNUT CREEK

PHONE: (925) 250 0662

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] | DATE: 2/26/09

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
8P19372	2941

END DUMP	BOTTOM DUMP	TRANSFER
❑	❑	❑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
❑	☑	❑	❑

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature] | DATE: 2-26-09

CUBIC YARDS: 20

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☒ SOIL	X	
❑ CONSTRUCTION DEBRIS		
❑ NON-FRIABLE ASBESTOS		
❑ WOOD		
❑ ASH		
❑ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 100112

THIRD PARTY SIGNATURE AUTHORIZATION
for Solid Waste Disposal

Date: February 18, 2009

To Whom It May Concern:

Please be advised that the following company/individual has been appointed to work as our agent for purposes of managing waste materials that we may generate.

Name of Authorized Agent	Title
Kirby Fernando	Project Manager
Name of Company	Telephone Number
AEI Consultants	925-746-6000

The above broker/individual is authorized to act as our authorized agent for the following purposes:

- [X] Complete and sign Generator Waste Profile Sheets.
- [X] Complete and sign Generator Waste Profile Sheet-Recertifications.
- [X] Authorize amendments to Generator Waste Profile Sheets.
- [ ] Sign contracts to dispose and/or transport material.
- [X] Sign certifications necessary to comply with landfill requirements.
- [X] Sign manifests to initiate shipment to disposal facilities.

Our authorized broker/agent will notify us prior to any action stated above, and will provide us with copies of any documents bearing our name.

Name of Generator (printed)	Title
CORY C. KAUFFMANN	REAL ESTATE MANAGER
Name of Company	Mailing Address
CRUISE AMERICA, INC.	11 WEST HAMPTON AVE. MESA, AZ 85210
Signature	Telephone Number
	480-964-7395

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET

Requested Disposal Facility: Keller Canyon
an Allied Waste Company

Waste Profile #
AWI Sales Rep:
Date:

I. Generator Information

Generator Name: Cruise America			
Generator Site Address: 796 66th Ave			
City: Oakland	County: Alameda	State: CA	Zip: 94621
State ID/Reg No:	State Approval/Waste Code: (if applicable)		SIC Code:
Generator Mailing Address (if different): 11 West Hampton Ave			
City: Mesa	County: Maricopa	State: AZ	Zip: 85210
Generator Contact Name: Cory Kauffmann			
Phone Number: 480-464-7395		Fax Number: 480-464-7302	

IIa. Transporter Information

Transporter Name: AEI Consultants		Contact Name: Kirby Fernando	
Transporter Address: 2500 Camino Diablo #200			
City: Walnut Creek	County: Contra Costa	State: CA	Zip: 94597
Phone Number: 925-944-2899	Fax Number: 925-944-2895	State Transportation Number:	

IIb. Billing Information

Bill To: AEI Consultants		Contact Name: Kirby Fernando	
Billing Address: 2500 Camino Diablo #200			
City: Walnut Creek	State: CA	Zip: 94597	Phone Number: 925-944-2899

III. Waste Stream Information

Name of Waste: Soil
Process Generating Waste: Gasoline fuel release from former underground storage tank
Type of Waste ☒ INDUSTRIAL PROCESS WASTE or ☐ POLLUTION CONTROL WASTE
Physical State: ☒ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUID ☐ OTHER: ____:
Method of Shipment: ☒ BULK ☐ DRUM ☐ BAGGED ☐ OTHER: ____
Estimated Annual Volume: ☒ CUBIC YARDS: 60 ☐ TONS: ____ ☐ GALLONS ____ ☐ OTHER: ____
Frequency: ☒ ONE TIME ☐ DAILY ☐ WEEKLY ☐ MONTHLY ☐ OTHER:
Special Handling Instructions:

IV. Representative Sample Certification

☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	☒ YES or ☐ NO
Sample Date: 2/12/09	Type of Sample: ☒ COMPOSITE SAMPLE ☐ GRAB SAMPLE
Laboratory: McCampbell Analytical	Sample ID Numbers: STK1234
Sampler's Employer: AEI Consultants	
Sampler's Name (printed): Kirby Fernando	Signature:

REV 1

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET (continued)

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)
1. Soil	100
2.	
3.	
4.	
5.	

Color	Odor (describe)	Free Liquids ☐ YES or ☒ NO	% Solids	pH:	Flash Point	Phenol
Dark Brown	Slight petroleum hydrocarbos	Content _____%	100	0	0 ☐F	0ppm

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ Yes or ☒ No
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in 40 CFR 261.23?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCCD), or any other dioxin as defined in 40 CFR 261.31?	☐ Yes or ☒ No
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this waste generated at a Federal Superfund Clean Up Site?	☐ Yes or ☒ No

VI. Generator Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by Allied Waste.

Kirby Fernando, Project Manager
Authorized Representative Name And Title (Printed)

AEI Consultants
Company Name

Authorized Representative Signature

2/17/09
Date

VII. Allied Waste Decision

☐ Approved ☐ Rejected Expiration: _____

Conditions:

Name, Title | Signature | Date

APPENDIX D

Photos

Picture 1: Black trash and wood layer at about 6.0 feet bgs – 2/12/2009

Picture 2: Cardboard from trash layer 2/12/2009

Picture 3: Trash layer material 2/12/2009

Picture 4: Initial excavation 2/12/2009