

past and proposed sampling locations in the excavated area, and a discussion on the source and type of fill material used to cover the excavations. If clean fill was used to fill the excavations, then it would not be appropriate to do further sampling in the fill material.

3. Section 4.2.1.1, pages 40 and 41: It is noted that tracer gas will be used to detect potential ambient air intrusion into soil gas samples, and that no Summa Canister duplicate samples will be collected. Please provide the rationale for not taking Summa canister duplicate samples, and explain how the tracer gases will be used to evaluate migration of ambient air into soil gas samples.
4. Section 4.2.1.2, page 42, Section 4.2.3, page 49, and Table 2: The text in these two sections and Table 2 note that soil samples collected between 0.5 to 1 foot, and 4.5 to 5.0 feet will be analyzed for VOCs. HERD questions the utility of analyzing surface samples (0.5 to 1.0 foot) for VOCs since volatilization over time would have most likely removed all the VOCs from the surface soils. As an alternative, HERD requests that samples analyzed for VOCs be collected from subsurface (4.5 to 5.0 feet) and deeper (9.5 to 10 feet) soils. Please provide the rationale for retaining the analysis of surface soils for VOCs or revise the text according to this comment.
5. Section 4.3.6, page 58: It is noted that the background data used to evaluate metals as COPC will be taken from soil samples from Park Elementary School. HERD would like to see the background data set before approving this approach. Elevated metals were an issue at the Park Avenue Elementary School, so some data may not be applicable for background purposes. As an alternative, HERD recommends using the entire metals data set from the Bell New Primary Center that is located approximately 1/2 mile from the site. Please provide a summary table of the background data to be used.
6. Section 5.0, page 59: HERD requests that the maximum detected concentration of each detected COPC be used as the exposure point concentration in calculating risk and hazard. Please revise the text accordingly.
7. Section 5.0, page 59: It is unclear if the data collected earlier (locations shown in Figure 9) will be combined with the efforts of the proposed sampling to form a single data set, or if only the proposed sampling will be used as the data set for the risk assessment. Clearly using the data from both sampling events would provide the most information with regards to the distribution of potential contaminants, however, to do so would mean that the data collected earlier is of the same quality as the data to be collected in the proposed sampling plan. Please clarify.

Recommendations, and Conclusion

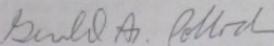
As detailed above, HERD has several concerns with this work plan that must be adequately addressed before it can be considered acceptable for risk assessment purposes. To do this in an efficient manner, HERD recommends that a response to these comments be prepared and submitted for review prior to making revisions in the main document. Any remaining issues can be resolved in a meeting or telephone conference, so that the next submission of the work plan is acceptable. These comments are meant to be constructive and we hope they are useful. If you have

Chand Sultana
August 6, 2004
Page 4

additional questions please feel free to contact me at 916-255-6687 or e-mail
gchernof@dtsc.ca.gov.

Reviewed by:

Gerald Pollock, Ph.D.
Senior Toxicologist, HERD



cc: Rita Kamat
Site Mitigation Branch
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201

** Transmit Conf. Report **

P.1

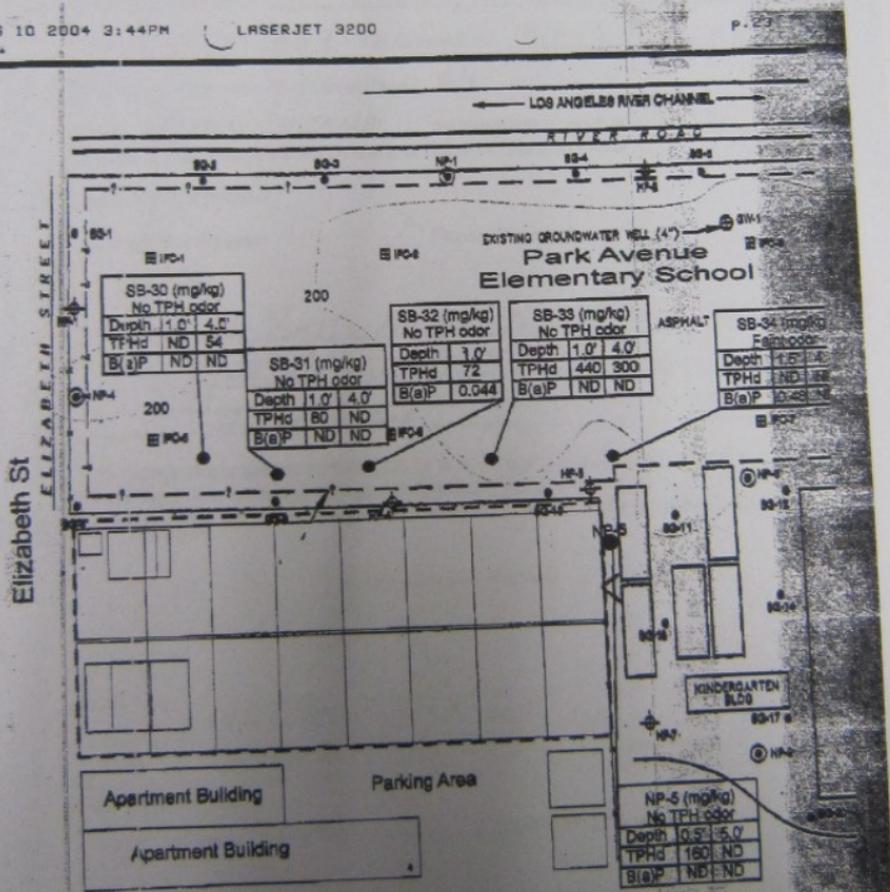
Aug 16 2004 12:49

Telephone Number	Mode	Start	Time	Page	Result	Note
919162556657	NORMAL	16.12:48	1'05"	1	* 0 K	

RUG 10 2004 3:44PM

LASERJET 3200

P. 2/3



File 1



Terry Tamminen
Agency Secretary
Cal/EPA



Department of Toxic Substances Control

Edwin F. Lowry, Director
8800 Cal Center Drive
Sacramento, California 95826-3200



Arnold Schwarzenegger
Governor

November 19, 2003

Mr. Chris Howard, Approvals
Chemical Waste Management, Inc.
35251 Old Skyline Road
Kettlemen City, California 93239

Dear Mr. Howard:

Enclosed are our clarifications on the two issues you brought to my attention during our telephone conversation on November 14, 2003 regarding the Cudahy Residential Property Waste Acceptance Profile Number EC1633.

Composite Sample for TCLP Metals

Sample A8 was excluded from the composite sample since it was located in the part of the property which will not be excavated. Our current project is to remove lead contaminated soils from sections A1, A2, B1, and B2, the areas in the immediate vicinity of the residences. Remediation of the remainder of the property will take place at a later time.

Preparation Hold Time for Composite Sample

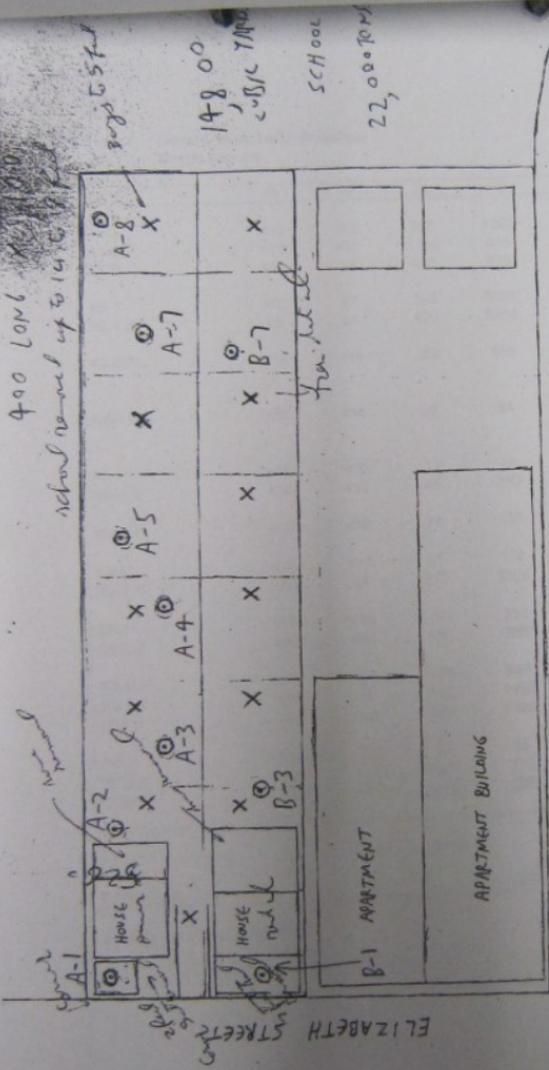
I have consulted with the Department of Toxic Substances Control Hazardous Materials Laboratory (HML) on this issue. HML informed me that this sample result is still valid and representative of what is present in the composite sample. This sample result is therefore usable for use in your analysis of waste acceptance.

Based on the resolution of the above issues, please complete your waste acceptance process. If you have any questions on this matter please call me at (916) 255-6568.

Sincerely,

Andrew M. Burow
Senior Hazardous Substance Engineer

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website at www.dtsc.ca.gov.



O EXISTING SOIL BORING
 X PROPOSED SOIL BORING

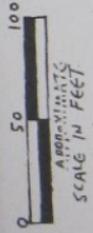


Exhibit B. Site Map Showing Previous and Proposed Soil Boring Locations



Alan C. Lloyd, Ph.D.
Agency Secretary
Cal/EPA



Department of Toxic Substances Control

1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806



Arnold Schwarzenegger
Governor

MEMORANDUM

TO: Chand Sultana, Project Manager
Site Mitigation Program
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201

FROM: Gerald F. Chernoff, Ph.D. *G.F. Chernoff*
Staff Toxicologist
Human and Ecological Risk Division (HERD)

DATE: February 23, 2005

SUBJECT: Gonzales Property at 5256 and 5260 Elizabeth St., Cudahy
Response to Comments - Preliminary Endangerment Assessment Report
PCA: 17020 Site: 301169-17

Background

Per your request, the Human and Ecological Risk Division (HERD) has reviewed the Addendum to the Preliminary Endangerment Assessment (PEA) Report for the Gonzales Property in Cudahy. HERD previously reviewed the PEA Report for this site and presented the results in a memorandum from Gerald Chernoff to Chand Sultana, dated November 24, 2004. In the memorandum, HERD agreed that further action is required on the elevated levels of arsenic, lead, and polynuclear aromatic hydrocarbons (PAHs) at the site, and also requested that the risk assessment be redone using the maximum detected concentrations of all the chemicals of potential concern identified in the PEA. The response to HERD's comments was reviewed and approved as noted in a memorandum from Gerald Chernoff to Chand Sultana dated January 3, 2005. The revisions to the PEA have now been submitted to the Department of Toxic Substances Control (DTSC) as an addendum to the PEA, and HERD has been asked to provide a review with comments. The purpose of this memorandum is to present HERD's review.

Documents Reviewed

"Addendum to Preliminary Endangerment Assessment Report for the Gonzales Property, 5256 & 5260 Elizabeth Street, Cudahy, California", prepared for the Department of Toxic Substances Control by Hydrologue, Inc., dated January 26,

Chand Sultana
February 23, 2005
Page 2

2005 (received at HERD on January 27, 2005).

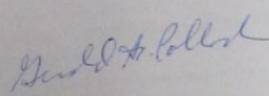
Scope of Review

The document was reviewed for scientific content. Minor grammatical or typographical errors that do not affect the interpretation have not been noted. If inadequacies in the documents were encountered for the purposes of risk assessment, they are noted in the comments below. Any future changes or additions to the documents should be clearly identified.

Comment, Conclusion and Recommendation:

All of HERD's concerns with the PEA Report have been adequately addressed in the Addendum to the Report. As such, the PEA Report is now considered acceptable for risk assessment purposes, with a determination of "further action required". These comments are meant to be constructive and we hope they are useful. If you have additional questions please feel free to contact me at 916-255-6687 or e-mail gchernof@dtsc.ca.gov.

Reviewed by:

Gerald Pollock, Ph.D. 
Senior Toxicologist, HERD

cc: Rita Kamat
Site Mitigation Branch
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201



Terry Tamminen
Agency Secretary
Cal/EPA



Department of Toxic Substances Control

1001 "I" Street, 25th Floor
P.O. Box 806
Sacramento, California 95812-0806



Arnold Schwarzenegger
Governor

MEMORANDUM

TO: Chand Sultana, Project Manager
Site Mitigation Program
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201

FROM: Gerald F. Chernoff, Ph.D. *G.F. Chernoff*
Staff Toxicologist
Human and Ecological Risk Division (HERD)

DATE: August 31, 2004

SUBJECT: Gonzales Property at 5256 and 5260 Elizabeth St., Cudahy
Revised Preliminary Endangerment Assessment Work Plan
PCA: 17020 Site: 301169-17

Background

Per your request, the Human and Ecological Risk Division (HERD) has reviewed the revised Preliminary Endangerment Assessment (PEA) Work Plan for the Gonzales property located at Elizabeth Avenue in Cudahy. HERD previously reviewed the draft version of this document and presented the results in a memorandum from Gerald Chernoff to Chand Sultana, dated August 6, 2004. In the memorandum, HERD expressed concern about the thoroughness of the site characterization for risk assessment purposes, sampling depths and analytical methods for volatile organic compounds (VOCs), the background data set, and the data set to be used in conducting the risk assessment. On August 10, 2004, HERD reviewed Hydrologue's response to these comments and sent an e-mailed to Chand Sultana stating that with the exception of duplicate sampling using Summa canisters and TO-14 analysis, the responses were acceptable. The revised document has now been submitted to the Department of Toxic Substances Control (DTSC), and HERD has been asked to provide a review with comments. The purpose of this memorandum is to present HERD's review.

Documents Reviewed

"Preliminary Endangerment Assessment Work Plan, Gonzales Property, 5256 & 5260 Elizabeth Street, Cudahy, California 90201", prepared for the Department of Toxic

Substances Control by Hydrologue, Inc., dated August 20, 2004 (received at HERD on August 24, 2004).

Scope of Review

The document was reviewed for scientific content. Minor grammatical or typographical errors that do not affect the interpretation have not been noted. If inadequacies in the documents were encountered for the purposes of risk assessment, they are noted in the comments below. Any future changes or additions to the documents should be clearly identified.

Comment

All of HERD's concerns with the earlier version of this work plan, including duplicate sampling and analysis, have now been adequately addressed. However, in reviewing the previously collected data illustrated in Figure 9a, it appears that some areas with elevated concentrations of lead will not be re-sampled for the PEA. Specifically, previous DTSC soil borings B-1 and B-7 had unacceptable levels of lead (>150 mg/kg) at depths ranging from 1 to 7.5 feet below ground level. No further sampling is proposed in these areas. HERD is concerned that since the DTSC boring data will not be used in the human health risk assessment, the elevated lead levels in these two areas may not be captured, and the site may not be adequately characterized for risk assessment purposes. To address this concern, HERD recommends that two additional sampling locations be added to the work plan, one in the grid containing DTSC boring B-1, and the other in the grid containing B-7. Depths of collection and analysis of each sample should be the same as the samples collected in the other grids. Alternatively, all the data collected from the site, both the previous DTSC soil borings and the Hydrologue proposed soil borings, may be used in evaluating the human health risks and hazards at the site.

Recommendations, and Conclusion

As detailed above, HERD is concerned that two areas of the site will not be adequately characterized for risk assessment purposes. Rather than do another revision of the work plan, HERD recommends that an addendum be added to the most recent (August 20, 2004) work plan that states additional samples will be collected at the two locations discussed above. Once this is done, the document should be acceptable for risk assessment purposes. These comments are meant to be constructive and we hope they are useful. If you have additional questions please feel free to contact me at 916-255-6687 or e-mail gchemof@dtsc.ca.gov.

Reviewed by:

Gerald Pollock, Ph.D. *Gerald A. Pollock*
Senior Toxicologist, HERD

cc: Rita Kamat
Site Mitigation Branch
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201



Terry Tamminen
Agency Secretary
CalEPA



Department of Toxic Substances Control

1011 North Grandview Avenue
Glendale, California 91201



Arnold Schwarzenegger
Governor

December 7, 2004

Seyed Mortazavi, Ph.D. R.G.
Hydrologue, Inc.
2793 East Foothill Boulevard
Pasadena, California 91107

PRELIMINARY ENDANGERMENT ASSESSMENT (PEA) REPORT FOR GONZALES
PROPERTIES LOCATED AT 5256 & 5260 ELIZABETH STREET, CUDAHY,
CALIFORNIA 90201

Dear Dr. Mortazavi:

The Department of Toxic Substances Control (DTSC) has reviewed the Preliminary
Endangerment Assessment Work Plan, dated August 31, 2004 for Gonzales properties
located at 5256 & 5260 Elizabeth Street, Cudahy, California 90201.

Enclosed please find DTSC's comments which must be addressed before the approval
of the Report.

If you have any questions, please contact Ms. Chand Sultana, Ph. D., Project Manager,
at (818) 551-2962 or me, at (818) 551-2831.

Sincerely,

Rita Kamat
Unit Chief

Southern California Cleanup Operations Branch - Glendale Office

Enclosures

Department of Toxic Substances Control

Terry Tamminen
Agency Secretary
Cal/EPA

1001 T Street, 25th Floor
P.O. Box 806
Sacramento, California 95812-0806


Arnold Schwarzenegger
Governor

MEMORANDUM

TO: Chand Sultana, Project Manager
Site Mitigation Program
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201

FROM: Gerald F. Chernoff, Ph.D. *G.F. Chernoff*
Staff Toxicologist
Human and Ecological Risk Division (HERD)

DATE: November 24, 2004

SUBJECT: Gonzales Property at 5256 and 5260 Elizabeth St., Cudahy
Preliminary Endangerment Assessment Report
PCA: 17020 Site: 301169-17

Background

Per your request, the Human and Ecological Risk Division (HERD) has reviewed the Draft Preliminary Endangerment Assessment (PEA) Report for the approximately 0.95 acre residential Gonzales property located at Elizabeth Avenue in Cudahy. HERD previously reviewed and approved the revised PEA Work Plan in a memorandum from Gerald Chernoff to Chand Sultana, dated August 31, 2004. Earlier limited sampling conducted at the site identified elevated levels of various contaminants including metals, volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). Of greatest concern were the metals arsenic and lead, both of which were found at concentrations that represent a potential health threat to residents of the site. To fully characterize the contamination on the site, a PEA was conducted focusing on metals, VOCs, SVOCs, polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). The report presenting the results of the PEA have been submitted to the Department of Toxic Substances Control (DTSC), and HERD has been asked to provide a review with comments. The purpose of this memorandum is to present HERD's review.

Documents Reviewed

"The Draft Preliminary Endangerment Assessment Report, Site: Gonzales Property,

5256 & 5260 Elizabeth Street, Cudahy, California 90201", prepared for the Department of Toxic Substances Control by Hydrologue, Inc., dated October 11, 2004 (received at HERD on October 14, 2004).

Scope of Review

The document was reviewed for scientific content. Minor grammatical or typographical errors that do not affect the interpretation have not been noted. If inadequacies in the documents were encountered for the purposes of risk assessment, they are noted in the comments below. Any future changes or additions to the documents should be clearly identified.

Comment

HERD agrees that the data presented in this document supports the conclusion that further action is required for the elevated levels of arsenic and lead found throughout the site, and that step out samples are needed around surface sampling location HB-12 to characterize the amount and extent of PAH contamination in this area. Unfortunately, excluding arsenic and PAH's from the risk and hazard calculations was not appropriate, and must be corrected before the document can be considered acceptable for risk assessment purposes. Details are provided in the Specific Comment below.

Specific Comment

Arsenic and carcinogenic PAHs as benzo[a]pyrene toxicity equivalents (BaP-TE) were not evaluated in the risk assessment, but rather, were discussed in terms of their exceedance of the background concentrations. HERD does not understand the rationale for this since it grossly underestimates the total risk at the site. For example, using the maximum detected concentration of arsenic (149 mg/kg) as the exposure point concentration in the DTSC PEA screening equations, HERD calculated a risk of $3.8E-04$ and a hazard of 8.3. This is a very different from the $7.5E-07$ cumulative risk discussed in the document, which did not include arsenic. Similarly, the hazard went from 17 without arsenic to 25.3 when arsenic was included. HERD recommends that the PEA be revised, or at a minimum, an addendum be added, that includes the risk and hazard calculations for arsenic and BaP-TE, as well as the total cumulative risk and hazard from all the COPC identified at the site. The conclusion of the text regarding cumulative risk and hazard must also be revised to be in agreement with the new calculations.

Recommendations, and Conclusion

As detailed above, HERD agrees with the conclusion of the report, but cannot accept it for risk assessment purposes until arsenic and BaP-TE have been included in the risk and hazard calculations. While HERD would prefer to see this presented in a revised PEA Report, an addendum to the report would also be acceptable. These comments are meant to be constructive and we hope they are useful. If you have additional questions please feel free to contact me at 916-255-6687 or e-mail gchernof@dtsc.ca.gov.

Reviewed by:

Gerald Pollock, Ph.D.
Senior Toxicologist, HERD

noted for Terry Pollock

cc: Rita Kamat
Site Mitigation Branch
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201



Department of Toxic Substances Control



Terry Tamminen
Agency Secretary
CalEPA

1011 North Grandview Avenue
Glendale, California 91201



Arnold Schwarzenegger
Governor

MEMORANDUM

TO: Ms. Chand Sultana, Ph.D.
Project Manager
Site Mitigation and Brownfields Reuse Program

FROM: Bruce Garbaccio, R.G. *Bruce Garbaccio*
Engineering Geologist
Geological Services Unit, Glendale

CONCUR: John Naginis, R.G. *John Naginis*
Senior Engineering Geologist
Geological Services Unit, Glendale

DATE: November 23, 2004

SUBJECT: Preliminary Endangerment Assessment Report, Gonzalez Property, 5256
and 5260 Elizabeth Street, Cudahy, California, prepared by Hydrologue,
Inc. October 11, 2004.

PCA

11020

Site Code 301169-00

As requested, Geological Services Unit (GSU) staff have reviewed the above
referenced document.

Any questions regarding this memorandum should be directed to Bruce Garbaccio at
(818) 551-2180.

GENERAL COMMENTS

The subject site is underlain by fill soil apparently emplaced at the same time as that on the adjacent Park Avenue School. Based on boring logs, the depth of fill ranges from approximately 5 to 10 feet. Based on data from the Park Avenue School, the fill is not as thick on the Gonzalez property. However, since the fill thickness does not appear to decrease across the site, it is likely that fill soil is also present on the adjacent property on the west side of the Gonzalez property. This area is presently occupied by apartment buildings or paved parking and driveways, in contrast with the Gonzalez property, which is mostly bare soil.

The fill soil contains elevated concentrations of antimony (up to 420 mg/kg), arsenic (up to 149 mg/kg), barium (up to 2,750 mg/kg), cadmium (up to 37 mg/kg), copper (up to 1,300 mg/kg), lead (up to 8,500 mg/kg), and zinc (up to 16,000 mg/kg). Concentrations of antimony, arsenic, cadmium, and lead are above EPA PRGs and DTSC cleanup guidelines for soil. Lead is the most widespread contaminant on the property. It appears that elevated concentrations of metals are all within fill soils and not within the underlying native soil. In the northern part of the site impacted soil is present from the surface to at least 5-feet. In the southern part of the site, the surficial soil does not appear to be impacted.

Petroleum hydrocarbons (TPH) in the C-22 to C-36 range, were detected at concentrations as high as 1,920 mg/kg. The highest TPH concentrations were present in the southern half of the site.

Elevated concentrations of polyaromatic hydrocarbons (PAHs) were detected only in boring HB-12.

SPECIFIC COMMENTS

Section 6.7 Soil Description

This section states that soils were observed during sampling and their description was recorded on boring logs which are included in Appendix A. **A brief summary of soil conditions such as soil type, depth of fill, etc. should be included in this section.**

Additional sampling

Based on sampling conducted to date, it is difficult to determine the upper limit of impacted fill soil. Only 3 samples from the 2.5-foot depth were analyzed from the southern 2/3 of the site. **GSU staff recommend analyzing the 2.5 foot depth samples from the following borings: HB-4, -5, -9, and -11 in order to provide additional data. Each sample should be analyzed for CAM 17 metals.**

Ms. Chand Sultana
November 23, 2004
Page Three

Appendix A Boring Logs

The logs for borings HB-10 and HB-11 are virtually the same. Sample descriptions from 9 to 15 feet are the same. Sample collection depths and PID readings are exactly the same. **The original logs should be reviewed to confirm or correct this issue.**

Figure 9 Cross Sections E-E' and F-F'

GSU staff disagree with the depth of groundwater indicated on the figure. Based on the information included on the boring logs, depth to groundwater is approximately 12 to 14 feet below ground surface, and always within the native soil. Cross section E-E' suggests that groundwater was encountered within fill soils in borings HB-1, -7, -8, -9, -10, and -11. **This discrepancy should be corrected.**

Information from the Park Avenue School indicates that fill soils were removed to a depth of approximately 12 to 18 feet adjacent to the Gonzalez property. Cross section F-F' suggests that fill soil is only approximately 8 feet thick in this area. **This discrepancy should be verified and corrected if necessary.**

FAX

IMPORTANT/CONFIDENTIAL: This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any review, dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone, and return the original message to us at the above address by U.S. Postal Service. Dissemination of this message to persons other than the individual or entity to which it is addressed shall not constitute a waiver of any privilege recognized by law. Thank you.

Date: Wednesday, September 29, 2004

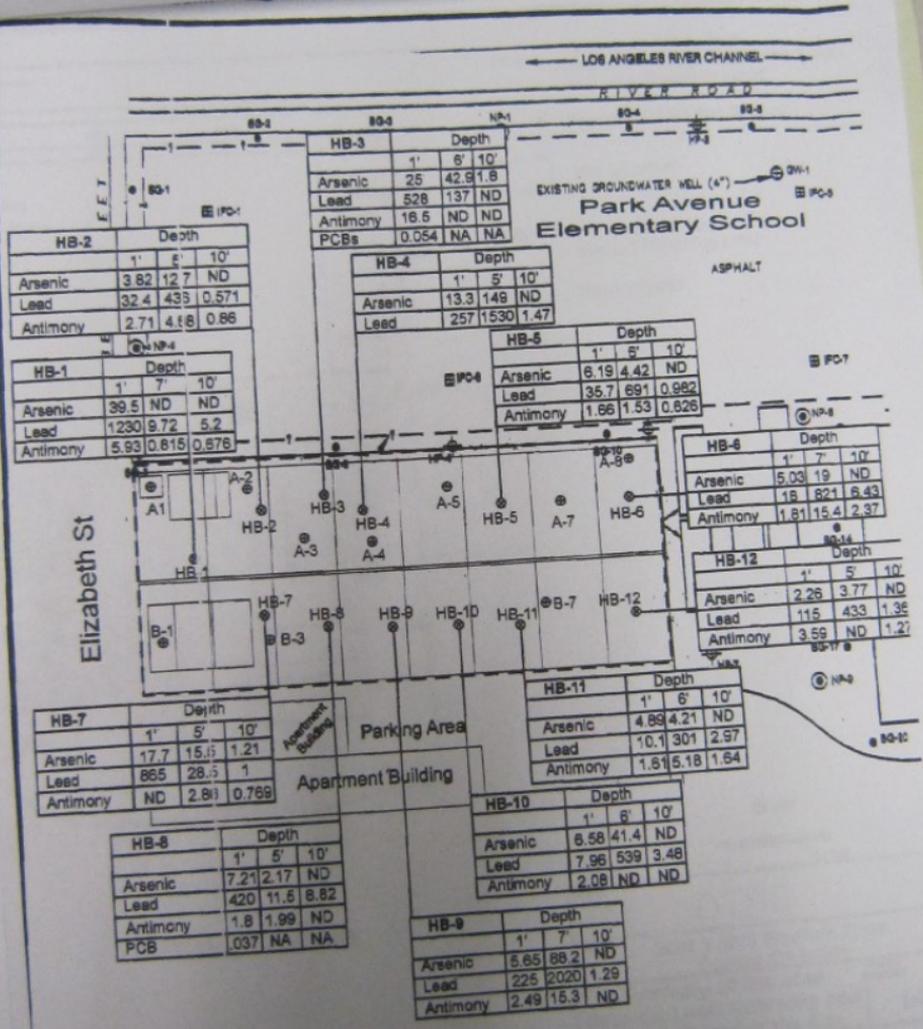
To: Department of Toxic Substances Control
Attn: Chand Sultana
Phone: 818 551-2962
Fax: 818-551-2832

From: Jimmy Avancena
hydrologue, Inc.
2793 East Foothill Boulevard
Pasadena, CA 91107
Phone: 626-585-9696
Fax: 626-585-0046

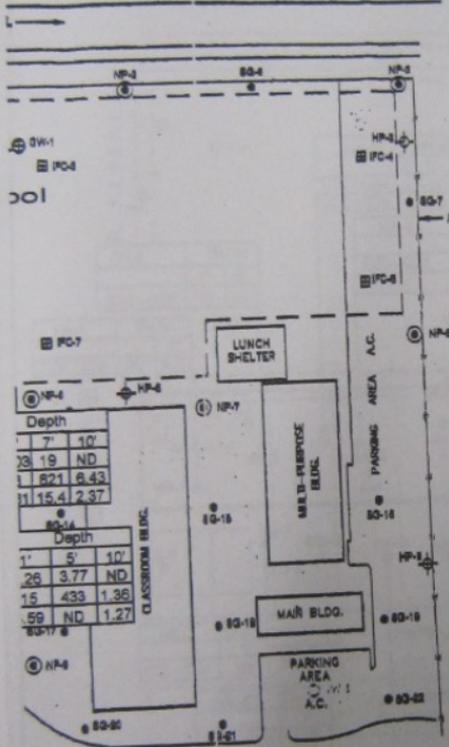
Total Pages: 1

Dear Ms. Sultana,

I would like to inform you that the 2-55 Gallons drums containing soil cutting and decon water will be picked up tomorrow, Thursday, 9/30/04, from the Gonzales Residence by Clean World Environmental between 10-12 AM. I did contact and arranged it with Laura Gonzales. Please do not hesitate to contact me if you have any further questions. Thank you.



Source: IT Corporation for LAUSD
for Park Ave ES-Cudahy, CA (December 10, 2000)



Depth	7'	10'
23	19	ND
1	821	6.43
1	15.4	2.37

Depth	1'	5'	10'
26	3.77	ND	
15	433	1.36	
59	ND	1.27	

Park Avenue

- HB-6 ● Hydrologue Soil Borings
(August 30 through September 1, 2001)
All Concentrations in mg/kg
- A-7 ● Previous DTSC Soil Borings
- ▭ Site Location
- ND Not Detected Above Method Reporting Limit
- NA Not Analyzed

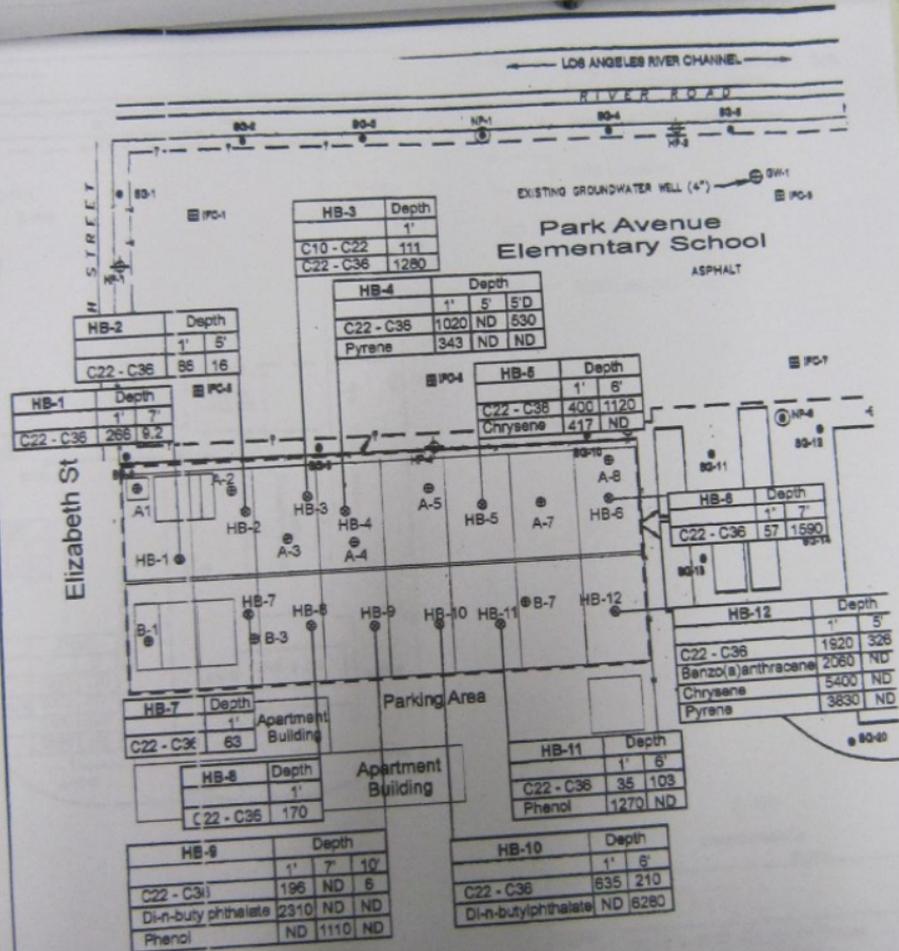
Scale



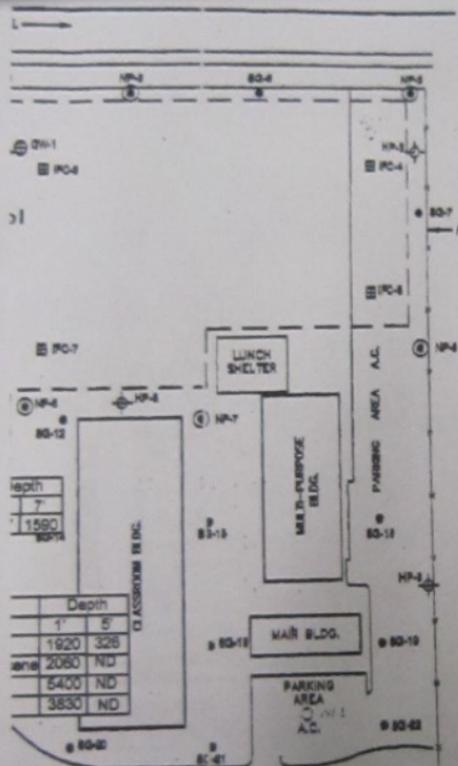
CLIENT	DTSC	
LOCATION	5256 & 5260 Elizabeth Street Cudahy, CA 90201	
TITLE	Summary of Detected Arsenic, Lead, Antimony and PCB Obtained at the Site	SCALE NUMBER 14
PROJECT	2849-00	
hydrologue, inc. Geotechnical Engineers and Geologists		FIELD Cudahy-DTSC-EP boring locations

Cudahy/Los Angeles
5260 Elizabeth Street
Cudahy Residential

File 1



Source: IT Corporation for LAUSD
for Park Ave ES-Cudahy, CA (December 10, 2000)



Depth
7
1560
ND

Depth	Concentration
1'	5'
1920	328
2080	ND
5400	ND
3830	ND

HB-6 • Hydrologue Soil Borings
(August 30 through September 1, 200-
All Concentrations in mg/kg

A-7 • Previous DTSC Soil Borings

Site Location

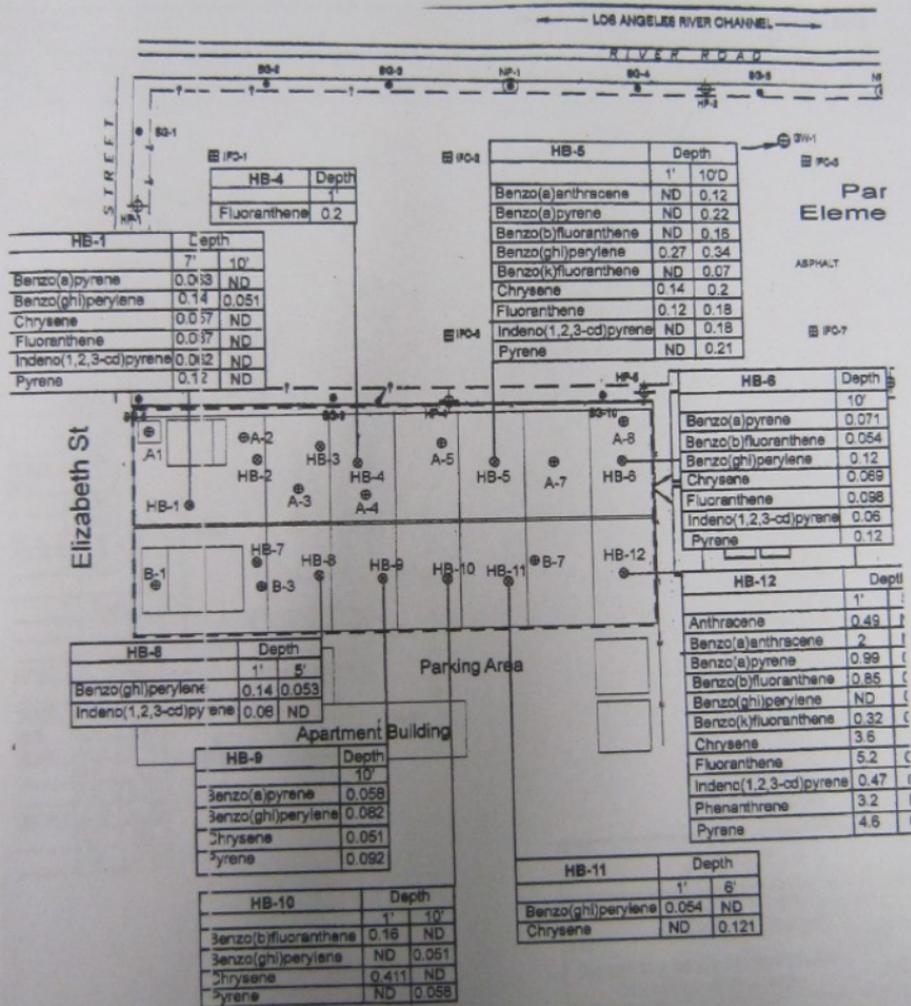
ND Not Detected Above
Method Reporting Limit

NA Not Analyzed

Scale

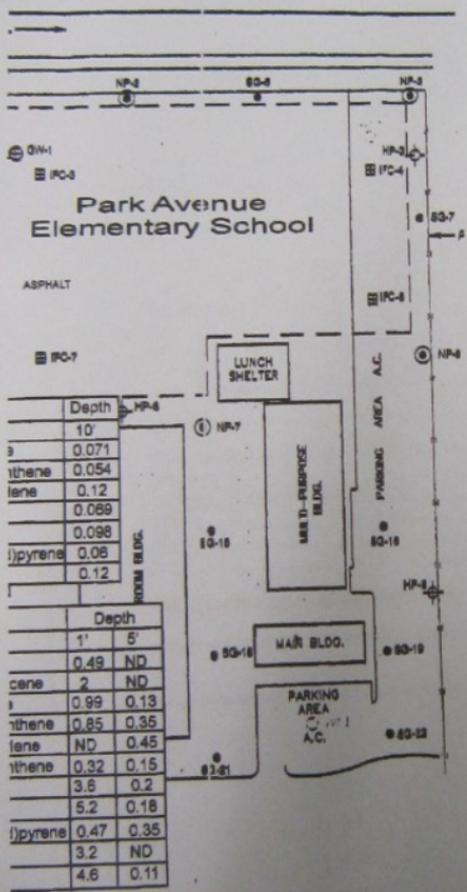


CLIENT	DTSC	
LOCATION	5256 & 5280 Elizabeth Street Cudahy, CA 90201	
TITLE	Summary of Detected SVOC and TPH Carbon Chain Obtained at the Site	FIGURE NUMBER 15
PROJECT	2849-00	
hydrologue, Inc. Consulting Engineers & Geologists		REA Quality Control of boring locations



Source: IT Corporation for LAUSD
for Park Ave ES-Cudahy, CA (December 10, 2000)

FILE 1



Depth	HP-6
10'	
11'	0.071
12'	0.054
13'	0.12
14'	0.088
15'	0.098
16'	0.08
17'	0.12

Depth	HP-6	HP-7
1'	0.49	ND
2'	0.99	0.13
3'	0.85	0.35
4'	ND	0.45
5'	0.32	0.15
6'	3.6	0.2
7'	5.2	0.18
8'	0.47	0.35
9'	3.2	ND
10'	4.6	0.11

Scale



CLIENT		DTSC	
LOCATION		5258 & 5260 Elizabeth Street Cudahy, CA 90201	
TITLE	Summary of Detected PAHs Obtained at the Site		FIGURE NUMBER 16
PROJECT	2849-00		PER Quality-DTSCSP boring locations
hydrologue, Inc.		Consulting Engineers & Geologists	



Department of Toxic Substances Control



Arnold Schwarzenegger
Governor

1011 North Grandview Avenue
Glendale, California 91201



Terry Tamminen
Agency Secretary
Cal/EPA

September 2, 2004

Seyed Mortazavi, Ph.D.
Hydrologue
2832 East Foothill Boulevard
Pasadena, California 91107

REVISED PRELIMINARY ENDANGERMENT ASSESSMENT WORK PLAN FOR THE
GONZALES PROPERTY, ELIZABETH STREET, CUDAHY, CALIFORNIA

Dear Dr. Mortazavi:

The Department of Toxic Substances Control (DTSC) has reviewed the Revised Preliminary Endangerment Assessment Work Plan for the Gonzales Property, Elizabeth Street, Cudahy, California.

DTSC finds previously raised issues have adequately been addressed and hereby approves the Work Plan. Since elevated levels of lead were detected in the previous investigation at two locations (B-1 and B-7), DTSC requires that all previous data be included in the health risk assessment.

If you have any questions, please contact me at (818) 551-2831 or Ms. Chand Sultana, Project Manager, at (818) 551-2962.

Sincerely,

Rita Kamat
Unit Chief

Southern California Cleanup Operations Branch - Glendale Office

FILE 1



Terry Tamminen
Agency Secretary
Cal/EPA

Department of Toxic Substances Control

1011 North Grandview Avenue
Glendale, California 91201



Arnold Schwarzenegger
Governor

MEMORANDUM

TO: Ms. Chand Sultana, Ph.D.
Project Manager
Site Mitigation and Brownfields Reuse Program

FROM: Bruce Garbaccio, R.G. *Bruce Garbaccio*
Engineering Geologist
Geological Services Unit, Glendale

CONCUR: Richard Coffman, Ph.D., R.G. *RC*
Senior Engineering Geologist
Geological Services Unit, Glendale

DATE: July 30, 2004

SUBJECT: Preliminary Endangerment Assessment Work Plan, Gonzalez Property,
5256 and 5260 Elizabeth Street, Cudahy, California, prepared by
Hydrologue, Inc. July 9, 2004.

PCA 1120 Site Code 301169-00

As requested, Geological Services Unit (GSU) staff have reviewed the above referenced document.

Any questions regarding this memorandum should be directed to Bruce Garbaccio at (818) 551-2180.

General Comments

The general scope of work is adequate to assess potential impacts to the property. Several modifications should be made to allow for a more dynamic approach. GSU staff recommend that soil borings be continuously cored and logged. In this way, visually impacted soil can be observed and selectively sampled. In addition, the interface between fill and native soil can be observed. Based on the findings at the adjacent Park Avenue School and nearby Cudahy Park, most of the contaminants present are relatively immobile and are observed primarily within the fill soils. As the site is on the edge of the former landfill the fill is most likely thinning to west.

Specific Comments

Section 4.3.6 Comparison of Site Data to Background Data

The workplan states that metals data for samples collected on-site will be compared to "site specific background concentrations from Park Avenue Elementary School". The Park Avenue school was the site of a removal action, and therefore, soil samples from this site are not suitable for use as background data. GSU staff recommend using data from the Bell New Primary Center, located approximately 0.5 miles north of the subject site. This data was used for background data for both the Park Avenue school and the Cudahy City Park. This data can be provided by DTSC to Hydrologue.

Section 3.9.4.3.1.5 Removal Action at the Park Avenue School

Mr. Bruce Garbaccio of the GSU is quoted as saying that 14,000 cubic yards of soil were removed from the Park Avenue School. This number is inaccurate; a more accurate estimation is that approximately 80,000 cubic yards of soil have been removed. Personnel in the DTSC Schools Unit should be contacted for the correct volume.

Section 4.2.1 Rationale for Sampling Strategy

Soil Gas Samples

This section states that soil gas samples will be collected at depths of 5 and 15 feet below ground surface. As the depth of fill on the site is most likely less than 15 feet, GSU staff recommend that soil gas samples be collected at depths of 5 and 10 feet.

The number of sample locations (12) and even distribution across the site should provide a good assessment of the magnitude and distribution of volatile organic compounds present at the site.

Soil Samples

Based on observations made during the investigation at the adjacent Park Avenue School and the nearby Cudahy Park, it appears that the Gonzalez property is on the west flank of the former landfill, and therefore the depth of fill is likely to thin to the west. **GSU staff recommend that soil borings be drilled until native soil or groundwater is encountered.**

It is proposed that soil samples be collected at depths of 0.5, 5, 10, and 15 feet. **GSU staff recommend that all borings be continuously cored, as this will help to determine the depth of fill and presence of visually impacted zones. In addition to the proposed depths, soil samples should be collected at 2.5 feet below ground surface.** In addition, GSU staff recommend that the soils analysis plan be modified as follows:

Soil samples to be analyzed for volatile organic compounds (VOCs) should be selected based on the results of the soil gas sampling and field observations made during sample collection (elevated organic vapor readings, odors, visually observed indications of contamination). Soil samples collected at depths of less than 2.5 feet should not be analyzed for VOCs as the influence of surficial conditions (sun, rain, etc.) are likely to have significantly reduced the concentration of any VOCs present.

Soil samples to be analyzed for semi-volatile organic compounds (SVOCs) and PCBs should also be selected based on observations made during sampling, such as discolored, oily, or tarry soils.

Figures 10 and 11 Cross Sections B-B' and C-C'

The locations of cross sections B-B' and C-C' on Figure 9 (the site map showing proposed boring locations) is unclear. This is in part because many of the borings shown on the cross sections do not appear on the map. Based on the map, the lines of section are located on the east and south sides of the school. It appears that the many of the soil borings and the Gonzalez property have been transposed a long distance onto the line of section. This is an inaccurate representation of the site, as the conditions on the Gonzalez property may be significantly different than those on the adjacent Park Avenue school. **The line of each section should be clearly indicated**

on the map. The cross sections should be modified to more clearly indicate areas where subsurface data exists.

Figure 17 Extent of B(a)P in Soil

Contours for Benzo(a)pyrene concentrations shown on the map appear to have been constructed using data that is not represented. This figure is based on data generated by IT Corporation for the Los Angeles Unified School District investigation of the Park Avenue School. **This information should be clearly indicated on the figure.**

Figure 18 Extent of TPHd, PCBs, and B(a)P in Soil

The title states that the map shows the "Extent of TPHd, PCBs, and B(a)P, however, contour lines shown on the map are only for TPHd (total petroleum hydrocarbons-diesel). **The title of the figure should be changed accordingly. In addition, IT Corporation should be referenced as noted above for Figure 17.**

[1] [2] [A] [5] [11]

August 10, 2004

Ms. Chand Sultana, Ph.D.
Project Manager
California Environmental Protection Agency
Department of Toxic Substances Control
Southern California Clean Up Operations Branch
Glendale Office
1011 N. Grandview Ave
Glendale, CA 91201

**SUBJECT: RESPONSE TO DTSC COMMENTS TO DRAFT PRELIMINARY
ENDANGERMENT ASSESSMENT WORKPLAN FOR THE
GONZALEZ PROPERTY, 5256 & 5260 ELIZABETH STREET
CUDAHY, CALIFORNIA**

Dear Dr. Sultana:

On August 6, 2004, Ms. Rita Kamat, Unit Chief, Southern California Clean up Operations Branch of the Department of Toxic Substances Control (DTSC), issued a review letter to the Draft Preliminary Endangerment Assessment Workplan, Gonzalez Property located at 5256 and 5260 Elizabeth Street, Cudahy, California, (Site) submitted by Hydrologue, Inc. (HI) dated July 9, 2004. Review comments have been provided to Ms. Chand Sultana, DTSC Project Manager, Site Mitigation Program, in the memorandums by Mr. Bruce Garbaccio, R.G. of Geological Service Unit (GSU), Glendale, and from Gerald F. Chernoff, Ph.D., Staff Toxicologist from Human and Ecological Risk Division (HERD).

Below we have responded to each specific comment and/or recommendation. The provisions discussed here will be included in the Final Preliminary Endangerment Assessment (PEA) Workplan for the above-mentioned site. The information in the previously submitted Draft PEA Workplan is final unless modified here. Our responses are organized in two sections below:

- A) Comments from Gerald F. Chernoff, Ph.D. Staff Toxicologist, from Human and Ecological Risk Division (HERD)
- B) Comments from Bruce Garbaccio, Engineering Geologist, Geological Service Unit (GSU)
- A) Comments by Mr. Gerald Chernoff, Ph.D, Staff Toxicologist, HERD

Scope of Review

The document was reviewed for scientific content. Minor grammatical or typographical errors that

Gonzales Property
3256 and 3260 Elizabeth St
Cudahy, CA

do not affect the interpretation have not been noted. If inadequacies in the documents were encountered for the purposes of risk assessment, they are noted in the comments below. Any future changes or additions to the documents should be clearly identified.

GENERAL COMMENT

HERD COMMENT No. 1

HERD has several concerns with this document that must be adequately addressed before it can be considered acceptable for risk assessment purposes. Details are provided below in the Specific Comments.

HI RESPONSE:

No Comments

HERD COMMENT No. 2

HERD is concerned about the thoroughness of the site characterization for risk assessment purposes. It is unclear if all the data collected at the site will be used in the risk assessment, or if just the proposed samples will be used. Further complicating the issue is a past removal action. It is unclear from the information presented in the work plan if areas previously found to be contaminated have been removed, and if so, replaced with clean fill. These are issues that must be addressed before the work plan can be approved.

HI RESPONSE:

Although we recommend that previous Site data be analyzed and compared with the future data we do not recommend using them for risk assessment purposes. The proposed samples will be used for risk assessment. As stated in the PEA Workplan "During the scoping meeting and the Site walkthrough, we learned from Mr. Bruce Garbaccio that limited soil removal activities took place in the front yards of the existing on-site residences and along a narrow strip about 5 feet wide, adjacent to the residences in the backyard to mitigate soils with elevated lead concentrations. According to Mr. Garbaccio the depth of the removal was approximately 2 feet. No document was made available for our review." It is our understanding that this limited removal action took place in the front portion of the property between Elizabeth Street and the existing residences and in the backyard in a 5 feet wide strip adjacent to the residences to mitigate lead impacted soil to a depth of approximately 2 feet bgs. No Removal Action Workplan (RAW), or Removal Action Completion report was available for our review. We requested these documents from our client and we will incorporate the requested information in the forthcoming PEA report upon receipt of requested documents.

HERD COMMENT No. 3

HERD recommends that the revised document be carefully proofread and spell checked prior to submission. In this way incomplete sentences and numerous incorrect spellings can be eliminated.

HI RESPONSE:

Comply

SPECIFIC COMMENTS

HERD SPECIFIC COMMENT No. 1

Section 3.9.4.4, pages 38 and 39: The data discussed in this section appear to be located in Appendix F, DTSC Investigation. Please provide a reference to these data in the text of this section. It would be very helpful if a summary table, such as the one for metals in the beginning of Appendix F, but presenting the data for each analyte tested, was added to the document. With this, one could easily determine the distribution and extent of contamination across the site. Similarly, a spider map showing the concentrations of analytes at each sampling point and depth would also be helpful for the same reason. HERD recommends that the text in this section be revised as suggested, and that a table and map be provided.

HI RESPONSE:

We understand that no written report or any document containing the above mentioned data exists. The attached summary table presenting the data for each analyte tested will be inserted into the document. Also a spider map (Figure 9a) showing the concentrations of analytes at each sampling point and depth is prepared and a copy is enclosed.

HERD SPECIFIC COMMENT No. 2

Section 3.9.4.5, page 39: In this section, mention is made of a removal action at the site. Please provide a map showing the approximate extent of the soil removal, the past and proposed sampling locations in the excavated area, and a discussion on the source and type of fill material used to cover the excavations. If clean fill was used to fill the excavations, then it would not be appropriate to do further sampling in the fill material.

HI RESPONSE:

As stated in the PEA Workplan "During the scoping meeting and the Site walkthrough we learned from Mr. Bruce Garbaccio that limited soil removal activities took place in the front yard of the existing on-site residences and along a narrow strip about 5 feet wide, adjacent to the residences in the backyard to mitigate soils with elevated lead concentrations. According to Mr. Garbaccio depth of the removal was approximately 2 feet. No document was made available for our review." It is our understanding that this limited removal action took place in the front portion of the property between Elizabeth Street and the existing residences and in the backyard in a 5 feet wide strip adjacent to the residences to mitigate lead impacted soil to a depth of approximately 2 feet bgs. No Removal Action Workplan (RAW), or Removal Action Completion report was available for our review. We requested these documents from our client and we will incorporate the requested information in the forthcoming FEA report upon receipt of requested documents.

HERD SPECIFIC COMMENT No. 3

Section 4.2.1.1, pages 40 and 41: It is noted that tracer gas will be used to detect potential ambient air intrusion into soil gas samples, and that no Summa Canister duplicate samples will be collected. Please provide the rationale for not taking Summa Canister duplicate samples, and explain how the tracer gases will be used to evaluate migration of ambient air into soil gas samples.

HI RESPONSE:

Collection and analysis of Summa Canister duplicate samples was not included in the scope of our

work. We understand that Summa Canister duplicate samples are analyzed using EPA Method TO-14 to detect the VOCs at ppb levels. However at the Sites with high level of VOCs such as landfill sites the required dilution will increase the detection level. Also the proposed 8260B method is specified with a low detection level. According to page 45 of the PEA Workplan "Tracer Gas: A tracer gas consisting of 1,1-Difluoroethane or similar will be used to detect potential ambient air intrusion into soil gas samples at all of the soil gas points. The tracer gas will be sprayed on a cloth that will be placed at the ground surface collar of the gas probes." Detection of 1,1-Difluoroethane or similar in soil vapor sample is an indication of ambient air intrusion into the soil gas sample

HERD SPECIFIC COMMENT No. 4

Section 4.2.1.2, page 42, Section 4.2.3, page 49, and Table 2: The text in these two sections and Table 2 note that soil samples collected between 0.5 to 1 foot, and 4.5 to 5.0 feet will be analyzed for VOCs. HERD questions the utility of analyzing surface samples (0.5 to 1.0 foot) for VOCs since volatilization overtime would have most likely removed all the VOCs from the surface soils. As an alternative, HERD requests that samples analyzed for VOCs be collected from subsurface (4.5 to 5.0 feet) and deeper (9.5 to 10 feet) soils. Please provide the rationale for retaining the analysis of surface soils for VOCs or revise the text according to this comment.

HERD RESPONSE:

We concur with HERD questioning the utility of analyzing surface samples (0.5 to 1.0 foot) for VOCs since volatilization overtime would have most likely removed a major portion of the VOCs from the surface soils. The depth of 0.5 to 1 foot for VOCs analysis was recommended to obtain comparable data with the Park Avenue Elementary School and with previous data collected at the Site. According to the attached Table 2-Summary of Planned Samples and Analytical Methods Outside the Existing Cap Area, Sheet 4-2 of Field Sampling Plan and Quality Assurance Project Plan for Remedial Investigation for Park Avenue Elementary School by IT Corporation, dated June 6, 2000, twenty soil samples at a depth of 0.5 feet were proposed for VOCs (including BTEX) analysis by EPA 8260E. Additionally, the previous on-Site data include analysis for VOCs of a soil sample collected at a depth of 2.5 feet bgs. As per HERD's request, samples analyzed for VOCs will be collected from subsurface (4.5 to 5.0 feet) and deeper (9.5 to 10 feet) soils, however, soil sample depths may vary based on the results of the soil gas sampling and field observations made during sample collection (elevated organic vapor readings, odors, visually observed indications of contamination). Soil samples collected at depths of less than 2.5 feet will not be analyzed for VOCs as the influence of surficial conditions (sun, rain, etc.) are likely to have significantly reduced the concentration of any VOCs present.

HERD SPECIFIC COMMENT No. 5

Section 4.3.6, page 58: It is noted that the background data used to evaluate metals as COPC will be taken from soil samples from Park Elementary School. HERD would like to see the background data set before approving this approach. Elevated metals were an issue at the Park Avenue Elementary School, so some data may not be applicable for background purposes. As an alternative, HERD recommends using the entire metals data set from the Bell New Primary Center that is located approximately 0.5 mile from the site. Please provide a summary table of the background data to be used.

Conzalez Property
4256 and 4260 Elizabeth St
Cudahy, CA

HI RESPONSE:

Also not mentioned clearly, we intended to use background data for Park Avenue Elementary School. As an alternative, as per HERD's recommendation, the entire metals data set from the Bell New Primary Center, located approximately 0.5 mile from the site, will be used to establish background concentrations. Upon receipt of the PEA report for Bell New Primary Center, a summary table of the background data to be used will be provided in the forthcoming PEA report for the Site.

HERD SPECIFIC COMMENT No. 6

Section 5.0, page 59: HERD requests that the maximum detected concentration of each detected COPC be used as the exposure point concentration in calculating risk and hazard. Please, revise the text accordingly.

HI RESPONSE:

Comply

HERD SPECIFIC COMMENT No. 7

Section 5.0, page 59: It is unclear if the data collected earlier (locations shown in Figure 9) will be combined with the efforts of the proposed sampling to form a single data set, or if only the proposed sampling will be used as the data set for the risk assessment. Clearly using the data from both sampling events would provide the most information with regards to the distribution of potential contaminants, however, to do so would mean that the data collected earlier is of the same quality as the data to be collected in the proposed sampling plan. Please clarify.

HI RESPONSE:

The data collected as a part of the forthcoming PEA investigations will be compared with previous data collected from Park Avenue Elementary School within the proximity of the Site and with previous on-Site data. However, only data collected as a part of the forthcoming PEA investigation will be used for the purpose of risk assessment.

HERD Recommendations and Conclusion

As detailed above, HERD has several concerns with this work plan that must be adequately addressed before it can be considered acceptable for risk assessment purposes. To do this in an efficient manner, HERD recommends that a response to these comments be prepared and submitted for review prior to making revisions in the main document.

HI RESPONSE:

Comply

- B) Comments by Mr. Bruce Garbaccio, Engineering Geologist, Geological Service Unit (GSU)

GENERAL COMMENT

GSU COMMENT

The general scope of work is adequate to assess potential impacts to the property. Several modifications should be made to allow for a more dynamic approach. GSU staff recommend that soil

Gonzalez Property
5256 and 5260 Ellsworth St
Cudahy, CA

borings be continuously cored and logged. In this way, visually impacted soil can be observed and selectively sampled. In addition, the interface between fill and native soil can be observed. Based on the findings at the adjacent Park Avenue School and nearby Cudahy Park, most of the contaminants present are relatively immobile and are observed primarily within the fill soils. As the site is on the edge of the former landfill the fill is most likely thinning to west.

HI RESPONSE

Per the GSU recommendation, the proposed soil borings will be continuously cored and logged. In this way, visually impacted soil can be observed and selectively sampled. In addition, the interface between fill and native soil can be observed.

SPECIFIC COMMENTS

GSU COMMENT No. 1

Section 4.3.6 Comparison of Site Data to Background Data

The workplan states that metals data for samples collected on-site will be compared to "site specific background concentrations from Park Avenue Elementary School". The Park Avenue school was the site of a removal action, and therefore, soil samples from this site are not suitable for use as background data. GSU staff recommend using data from the Bell New Primary Center, located approximately 0.5 miles north of the subject site. This data was used for background data for both the Park Avenue school and the Cudahy City Park. This data can be provided by DTSC to Hydrologue.

HI RESPONSE

Also not mentioned clearly, we intended to use background data for Park Avenue Elementary School. As an alternative, as per HERD's recommendation, the entire metals data set from the Bell New Primary Center that is located approximately 0.5 mile from the site will be used to establish background concentrations. Upon receipt of the PEA report for Bell New Primary Center, a summary table of the background data to be used will be provided in the forthcoming PEA report for the Site.

GSU COMMENT No. 2

Section 3.9.4.1.1.5 Removal Action at the Park Avenue School -

Mr. Bruce Gambacchio of the GSU is quoted as saying that 14,000 cubic yards of soil were removed from the Park Avenue School. This number is inaccurate; a more accurate estimation is that approximately 80,000 cubic yards of soil have been removed. Personnel in the DTSC Schools Unit should be contacted for the correct volume.

HI RESPONSE

The text will be appropriately revised.

GSU COMMENT No. 3

Section 4.2.1 Rationale for Sampling Strategy

Gonzalez Property
5256 and 3260 Elizabeth St
Cudahy, CA
Soil Gas Samples

This section states that soil gas samples will be collected at depths of 5 and 15 feet below ground surface. As the depth of fill on the site is most likely less than 15 feet, GSU staff recommend that soil gas samples be collected at depths of 5 and 10 feet.

The number of sample locations (12) and even distribution across the site should provide a good assessment of the magnitude and distribution of volatile organic compounds present at the site.

Soil Samples

Based on observations made during the investigation at the adjacent Park Avenue School and the nearby Cudahy Park, it appears that the Gonzalez property is on the west flank of the former landfill, and therefore the depth of fill is likely to thin to the west. GSU staff recommend that soil borings be drilled until native soil or groundwater is encountered.

It is proposed that soil samples be collected at depths of 0.5, 5, 10, and 15 feet. GSU staff recommend that all borings be continuously cored, as this will help to determine the depth of fill and presence of visually impacted zones. In addition to the proposed depths, soil samples should be collected at 2.5 feet below ground surface. In addition, GSU staff recommend that the soils analysis plan be modified as follows:

Soil samples to be analyzed for volatile organic compounds (VOCs) should be selected based on the results of the soil gas sampling and field observations made during sample collection (elevated organic vapor readings, odors, visually observed indications of contamination). Soil samples collected at depths of less than 2.5 feet should not be analyzed for VOCs as the influence of surficial conditions (sun, rain, etc.) are likely to have significantly reduced the concentration of any VOCs present.

Soil samples to be analyzed for semi-volatile organic compounds (SVOCs) and PCBs should also be selected based on observations made during sampling, such as discolored, oily, or tarry soils.

HI RESPONSE

Soil gas samples were proposed to be collected at depths of 5 and 15 feet below ground surface to provide a comparable data set with the adjacent Park Avenue Elementary School Site. According to the attached Table 2 Summary of Planned Samples and Analytical Methods Outside the Existing Cap Area, Sheet 4-2 of Field Sampling Plan and Quality Assurance Project Plan for Remedial Investigation for Park Avenue Elementary School by IT Corporation, dated June 6, 2000, twenty-two soil gas samples at a depth of 5 and 15 feet were proposed for VOCs, Aldehydes, Methane, Oxygen, Carbon dioxide and hydrogen sulfides by EPA 8260B, and TO-11 and IR detector. Per GSU's recommendation, soil gas samples will be collected at depths of 5 and 10 feet bgs.

We concur with GSU questioning the utility of analyzing surface samples (0.5 to 1.0 foot) for VOCs since volatilization overtime would have most likely removed a major portion of the VOCs from the surface soils. The depth of 0.5 to 1 foot for VOCs analysis was recommended to obtain comparable data with the Park Avenue Elementary School and with previous data collected at the Site.

Gonzalez Property
5256 and 1260 E. Elizabeth St
Cudahy, CA

According to Table 2-Summary of Planned Samples and Analytical Methods Outside the Existing Cap Area, Sheet 4-2 of Field Sampling Plan and Quality Assurance Project Plan for Remedial Investigation for Park Avenue Elementary School by IT Corporation, dated June 6, 2000, twenty soil samples at a depth of 0.5 feet were proposed for VOCs (including BTEX) analysis by EPA 8260B. The previous on-Site data also include analysis for VOCs of a soil sample collected at a depth of 2.5 feet bgs. As per GSU's request, soil borings will be continuously cored and logged and samples to be analyzed for VOCs will be collected from subsurface (4.5 to 5.0 feet) and deeper (9.5 to 10 feet) soils. Soil samples will be collected at depths of 0.5, 2.5, 5, 10, and 15 feet. Soil samples collected at a depth of 5 and 10 feet bgs. will be analyzed for VOCs using EPA Method 8260B, however these soil sample depths may vary based on the results of the soil gas sampling and field observations made during sample collection (elevated organic vapor readings, odors, visually observed indications of contaminant on). Soil samples collected at depths of less than 2.5 feet will not be analyzed for VOCs, as the influence of surficial conditions (sun, rain, etc.) are likely to have significantly reduced the concentration of any VOCs present.

Depths of soil samples to be analyzed for semi-volatile organic compounds (SVOCs) and PCBs may also be different from those designated at this time based on observations made during sampling, such as discolored, oily, or tarry soils.

GSU COMMENT No. 4

Figures 10 and 11 Cross Sections B-B' and C-C'

The locations of cross sections B-B' and C-C' on Figure 9 (the site map showing proposed boring locations) is unclear. This is in part because many of the borings shown on the cross sections do not appear on the map. Based on the map, the lines of section are located on the east and south sides of the school. It appears that the many of the soil borings and the Gonzalez property have been transposed a long distance onto the line of section. This is an inaccurate representation of the site, as the conditions on the Gonzalez property may be significantly different than those on the adjacent Park Avenue school. The line of each section should be clearly indicated on the map. The cross sections should be modified to more clearly indicate areas where subsurface data exists.

HI RESPONSE

The line of each cross-section are now clearly indicated on the attached Figure 9. All borings shown on the cross-sections are located at close proximity to these cross-sections. All borings are shown on the cross-sections are now shown on the map (figure 9). Cross section B-B' is located along the southern property line of the Gonzales property and should reflect the subsurface at the southern portion of the Site. Cross section C-C' is located on the east side of the school along the eastern property line 250 feet east of the Site. Depth of the man-made fill beneath the Site is anticipated to be different from that shown in section C-C', however, depth to groundwater and alluvium beneath the Site should not differ significantly from that shown in section C-C'. The attached Section D-D' is prepared along the eastern school property line of the Site and should reflect the subsurface condition in the eastern portion of the Site. It should be noted that the upper portion of these sections will be modified in the forthcoming PEA report based on the on-Site data.

Onyx/lex Property
4256 and 4260 Elizabeth St
Cudahy, CA

GSU COMMENT No. 5

Figure 17 Extent of B(a)P in Soil

Contours for Benzo(a)pyrene concentrations shown on the map appear to have been constructed using data that is not represented. This figure is based on data generated by IT Corporation for the Los Angeles Unified School District investigation of the Park Avenue School. This information should be clearly indicated on the figure.

HI RESPONSE

Comply. The intended Figure 17 is enclosed.

GSU COMMENT No. 6

Figure 18 Extent of TPHd, PCBs, and B(a)P in Soil

The title states that the map shows the "Extent of TPHd, PCBs, and B(a)P, however, contour lines shown on the map are only for TPHd (total petroleum hydrocarbons-diesel). The title of the figure should be changed accordingly. In addition, IT Corporation should be referenced as noted above for Figure 17.

HI RESPONSE

Comply. The intended Figure 18 is enclosed.

If there are any questions regarding this document, please do not hesitate to call me.

Very Truly Yours,
HYDROLOGUE, INC.

Seyed Morteza Mortazavi, Ph.D.
R.C.E No. 44(91)
R.E.A No. 20118

Enclosures: Table 7 & Table 8-Summary of VOCs and SVOCs from Appendix F
Table 2-Summary of Planned Samples and Analytical Methods Outside the
Existing Cap Area, IT Corporation
Figure 9- Proposed Soil Boring Locations
Figure 9a-Summary of Previous Data Obtained at the Site- "Spider Map"
Figure 11a-Cross-Section D-D'
Figure 17-Extent of B(a)P in Soil 0.5 to 5.5 feet
Figure 18-Site Plan Showing TPHd and B(a)P Concentrations in Soil

cc: Chris C'Sa, Hydrologue, Inc.
Jimmy Avencena, Hydrologue, Inc.

TABLE 7
 SUMMARY OF VOCs ($\mu\text{g}/\text{kg}$)
 Gonzales Residential Property
 Cudahy, California

	A1-5'	B1-2.5'	B7-5'
Benzene	6.3	10	9.1

TABLE 8
 SUMMARY OF SVOCs ($\mu\text{g}/\text{kg}$)
 Gonzales Residential Property
 Cudahy, California

	Fluoranthene	Phenanthrene	Pyrene	Chrysene	Bis (2ethylhexyl) phthalate	Di-n- butylphthalate
A2-1'	630	510	460		450	
A3-0.5'				850		2300
A8-2.5'		710		1200		
A8-2.5' duplicate					350	
B1-1'						5100
B7-5'						

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Table 2
Summary of Planned Samples and Analytical Methods
Outside the Existing Cap Area
(Sheet 1 of 2)

Sample Type	Depth (feet)	Quantity	Analysis	Method	Remarks
Soil-gas survey	5	-22	VOCs	EPA Method 8260 (modified)	Mobile laboratory
			Aldehydes	TO-11A	Fixed laboratory
	14	-22	Methane, oxygen, carbon dioxide,	IR detector	Field measurement, 1000 ppm detection limit
			hydrogen sulfide	Jerome hydrogen sulfide analyzer	Field measurement
Soil-gas probes (Shallow)	7-10	10% of total -9	VOCs	TO-14A	Fixed laboratory
			Aldehydes	TO-11A	Only if elevated detections found during soil-gas survey
			Sulfides	Method 16	
			Methane	IR detector	
			VOCs, aldehydes	TO-14A, TO-11A	Fixed laboratory
Methane	IR detector	Field Measurement			
Soil-gas probes (Deep)	15-20	-9	VOCs, aldehydes	TO-14A, TO-11A	Fixed laboratory
			Methane	IR detector	Field Measurement
Vadose zone wells (Existing)	3-8	5	VOCs, aldehydes	TO-14A, TO-11A	Fixed laboratory
			Methane	IR detector	Field Measurement
Soil matrix (background)	5	5	Metals	6010 and 7471A	
Soil matrix	0.5	-20	Cr VI	7195	EnCore™ sampler
Soil matrix	0.5	-20	VOCs (including BTEX)	8260B	Request reporting of TICs
Soil matrix	0.5	-20	SVOCs/PAHs	8270C	SIM mode requested; request reporting of TICs
Soil matrix	0.5	-20	Pesticides, PCBs	8081A/8082	Only if PCB = 1 ppm or greater or burn layer is encountered
Soil matrix	0.5	TBD, see Remarks	Dioxins/furans	8280A	

Table 2
Summary of Planned Samples and Analytical Methods
Outside the Existing Cap Area
(Sheet 2 of 2)

Sample Type	Depth (feet)	Quantity	Analysis	Method	Remarks
Soil matrix	0.5	~20	TPH	8015M	Carbon chain breakdown ranges will be reported
Soil matrix	0.5	~20	Metals	6010B, 7471A	Including mercury
Soil matrix	0.5	2	Cr VI	7199	
Soil matrix	5	1	Cr VI	7199	
Soil matrix	5	~20	Same methods as 0.5-foot samples		
Soil matrix	10	~20	Same methods as 0.5-foot samples		
Soil matrix	20	TBD in field*	Same methods as 0.5-foot samples		
Groundwater/ Hydropunch™	40	11	VOCs, SVOCs, TPH, metals	8260, 8270, 8015M, 6010/7000	Hydropunch™ only (Sampling includes 1 existing on-site well) Carbon breakdown ranges will be reported for TPH
Vapor (FC)	Surface	8	VOCs	TO-14A	Fixed laboratory
Vapor (in-site C W well)	Headspace	1	VOCs aldehyde methane	TO-14A TO-11A IR detector	Field measurement

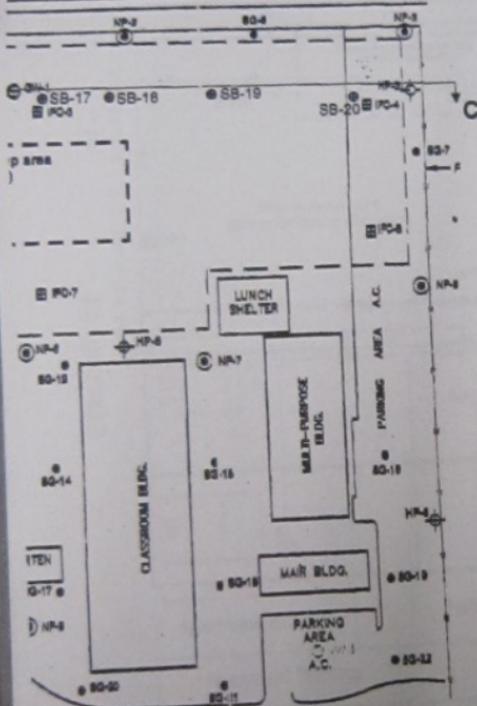
*Quantities not include the duplicate or quality control samples.
 †Sample quantity will vary depending on depth to source, soil and depth to groundwater
 BTEX - benzene, toluene, ethylbenzene, and xylenes
 Cr VI - hexavalent chromium
 IFC - Injection Flow Chamber
 IR - Infrared
 PAH - polynuclear aromatic hydrocarbons
 PCBs - polychlorinated biphenyls
 PPM - parts per million

SIM - selected ion monitoring
 SVOCs - semi-volatile organic compounds
 TBD - to be determined
 TICs - tentatively identified compounds
 TPH - total petroleum hydrocarbons
 VOCs - volatile organic compounds

Hydrologue Proposed Soil Borings

A-3 ⊕ Previous DTSC Soil Borings

Site Location

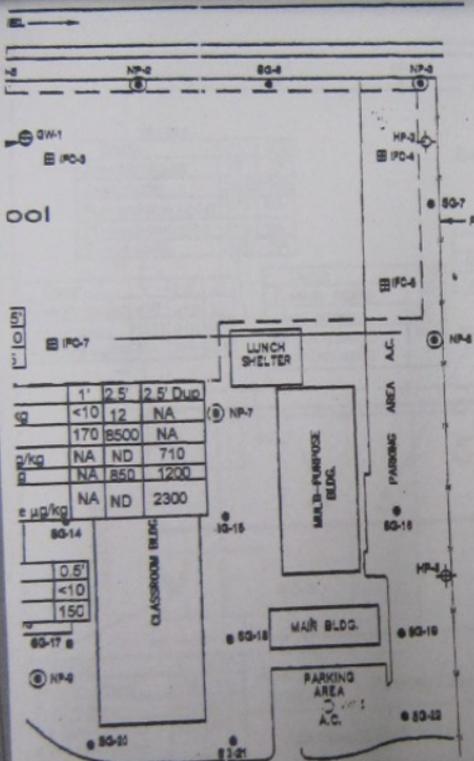


Scale



nue

CLIENT		
LOCATION	5256 & 5260 Elizabeth Street Cudahy, CA 90201	
TITLE	Proposed Soil Boring Locations	FIGURE NUMBER 9
PROJECT	2646-00	
hydrologue, Inc. <i>Consulting Engineers and Geologists</i>		REA/Cudahy-DTSC/04/01/01/02



Hydrologue Proposed Soil Borings

A-3 ⊕ Previous DTSC Soil Borings

Site Location

	1'	2.5'	2.5' Dup
g	<10	12	NA
g/kg	NA	ND	710
g	NA	850	1200
e μg/kg	NA	ND	2300

Scale



enue

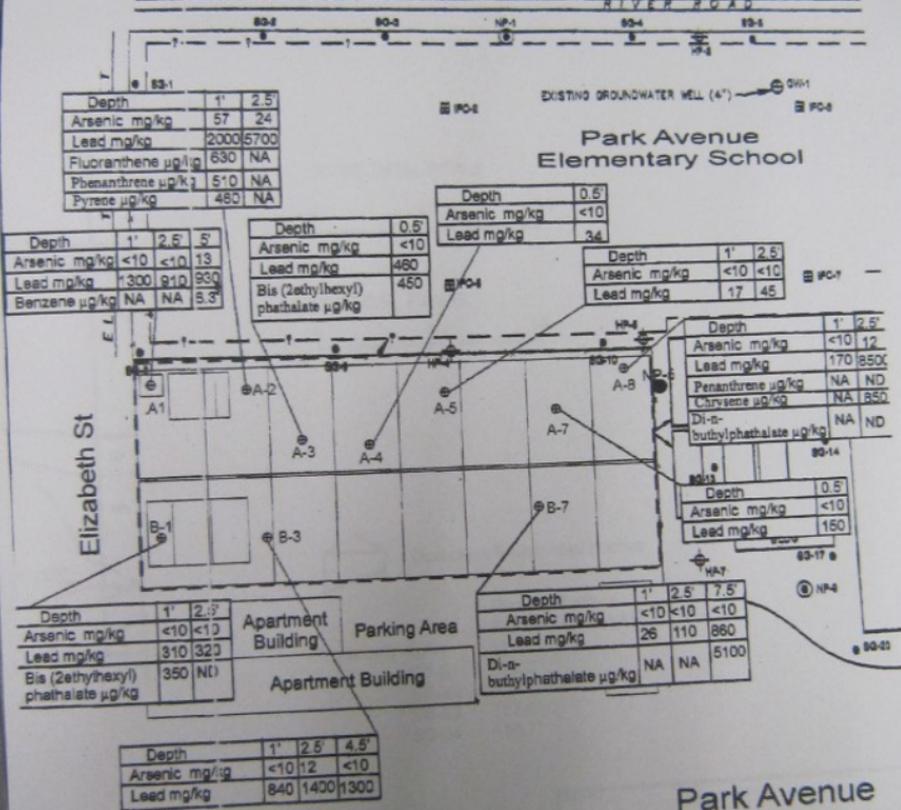
CLIENT	
LOCATION: 5256 & 5260 Elizabeth Street Cudahy, CA 90201	
TITLE: Summary of Previous Data Obtained at the Site	FIGURE NUMBER: 9a
PROJECT: 2849-00	PEA Code: HY-DTSC-SM-9811
hydrologue, Inc. Contracting Engineers & Geologists	

LOS ANGELES RIVER CHANNEL

RIVER ROAD

EXISTING GROUNDWATER WELL (4")

Park Avenue Elementary School



Depth	1'	2.5'
Arsenic mg/kg	57	24
Lead mg/kg	2000	5700
Fluoranthene µg/g	630	NA
Phenanthrene µg/g	510	NA
Pyrene µg/kg	460	NA

Depth	0.5'
Arsenic mg/kg	<10
Lead mg/kg	34

Depth	1'	2.5'	5'
Arsenic mg/kg	<10	<10	13
Lead mg/kg	1300	910	930
Benzene µg/kg	NA	NA	5.3

Depth	0.5'
Arsenic mg/kg	<10
Lead mg/kg	480
Bis (2ethylhexyl) phthalate µg/g	450

Depth	1'	2.5'
Arsenic mg/kg	<10	<10
Lead mg/kg	17	45

Depth	1'	2.5'
Arsenic mg/kg	<10	12
Lead mg/kg	170	850
Phenanthrene µg/kg	NA	ND
Chrysene µg/kg	NA	850
Di-n-butylphthalate µg/kg	NA	ND

Depth	0.5'
Arsenic mg/kg	<10
Lead mg/kg	150

Depth	1'	2.5'
Arsenic mg/kg	<10	<10
Lead mg/kg	310	320
Bis (2ethylhexyl) phthalate µg/kg	350	NI

Depth	1'	2.5'	7.5'
Arsenic mg/kg	<10	<10	<10
Lead mg/kg	26	110	860
Di-n-butylphthalate µg/kg	NA	NA	5100

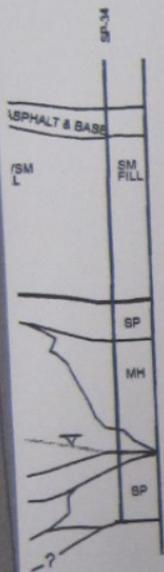
Depth	1'	2.5'	4.5'
Arsenic mg/kg	<10	12	<10
Lead mg/kg	840	1400	1300

Park Avenue

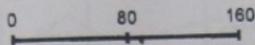
Source: IT Corporation for LAUSD
for Park Ave ES-Cudahy, CA
Soil analytical data provided by DTSC

Los Angeles File 1

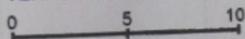
D'



HORIZONTAL SCALE



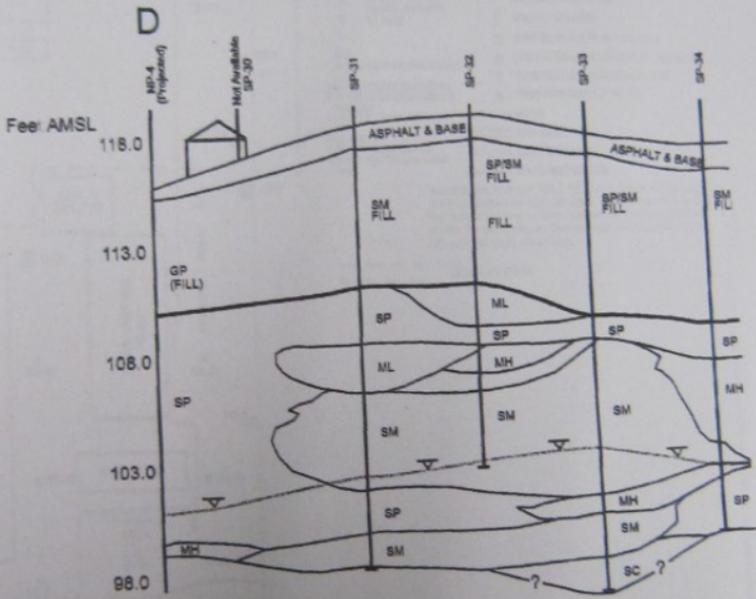
VERTICAL SCALE



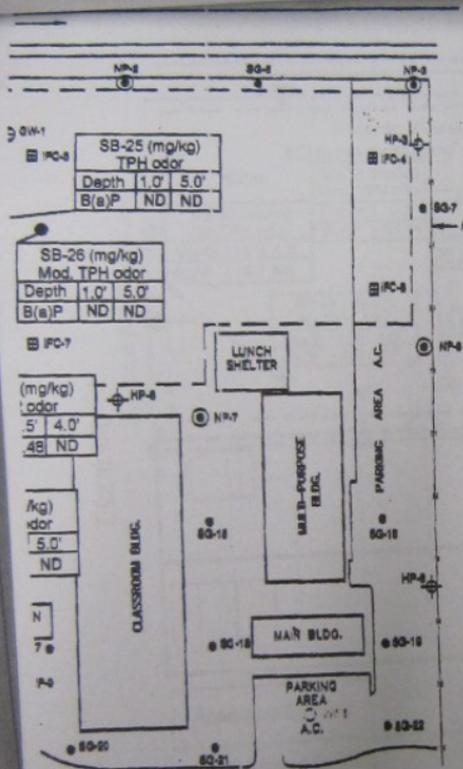
Gonzalez Residential Homes

	Ground Surface Elevation (Feet AMSL)
(Projected) NP-4	115.6'
SB-31	118.0'
SB-32	118.1'
SB-33	117.4'
SB-34	116.7'

CLIENT	
LOCATION 5256 & 5260 Elizabeth Street Cudahy, CA 90201	
TITLE	FIGURE NUMBER
Cross Section D - D'	11-A
PROJECT	2849-00
hydrologue, Inc. Consulting Engineers & Geologists	
PEA-Cudahy-CTBC-8-10-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100	



Source:
 IT Corporation for LAUSD
 for Park Ave ES-Cudahy, CA



LEGEND

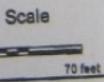
SB-25	SB-26	TPH	PCB	NP-1	NP-2	NP-3	NP-4	NP-5	NP-6	NP-7	NP-8	NP-9	NP-10	NP-11	NP-12	NP-13	NP-14	NP-15	NP-16	NP-17	NP-18	NP-19	NP-20	NP-21	NP-22	NP-23	NP-24	NP-25	NP-26	NP-27	NP-28	NP-29	NP-30	NP-31	NP-32	NP-33	NP-34	NP-35	NP-36	NP-37	NP-38	NP-39	NP-40	NP-41	NP-42	NP-43	NP-44	NP-45	NP-46	NP-47	NP-48	NP-49	NP-50	NP-51	NP-52	NP-53	NP-54	NP-55	NP-56	NP-57	NP-58	NP-59	NP-60	NP-61	NP-62	NP-63	NP-64	NP-65	NP-66	NP-67	NP-68	NP-69	NP-70	NP-71	NP-72	NP-73	NP-74	NP-75	NP-76	NP-77	NP-78	NP-79	NP-80	NP-81	NP-82	NP-83	NP-84	NP-85	NP-86	NP-87	NP-88	NP-89	NP-90	NP-91	NP-92	NP-93	NP-94	NP-95	NP-96	NP-97	NP-98	NP-99	NP-100
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SB-25 SB-26 TPH PCB NP-1 NP-2 NP-3 NP-4 NP-5 NP-6 NP-7 NP-8 NP-9 NP-10 NP-11 NP-12 NP-13 NP-14 NP-15 NP-16 NP-17 NP-18 NP-19 NP-20 NP-21 NP-22 NP-23 NP-24 NP-25 NP-26 NP-27 NP-28 NP-29 NP-30 NP-31 NP-32 NP-33 NP-34 NP-35 NP-36 NP-37 NP-38 NP-39 NP-40 NP-41 NP-42 NP-43 NP-44 NP-45 NP-46 NP-47 NP-48 NP-49 NP-50 NP-51 NP-52 NP-53 NP-54 NP-55 NP-56 NP-57 NP-58 NP-59 NP-60 NP-61 NP-62 NP-63 NP-64 NP-65 NP-66 NP-67 NP-68 NP-69 NP-70 NP-71 NP-72 NP-73 NP-74 NP-75 NP-76 NP-77 NP-78 NP-79 NP-80 NP-81 NP-82 NP-83 NP-84 NP-85 NP-86 NP-87 NP-88 NP-89 NP-90 NP-91 NP-92 NP-93 NP-94 NP-95 NP-96 NP-97 NP-98 NP-99 NP-100

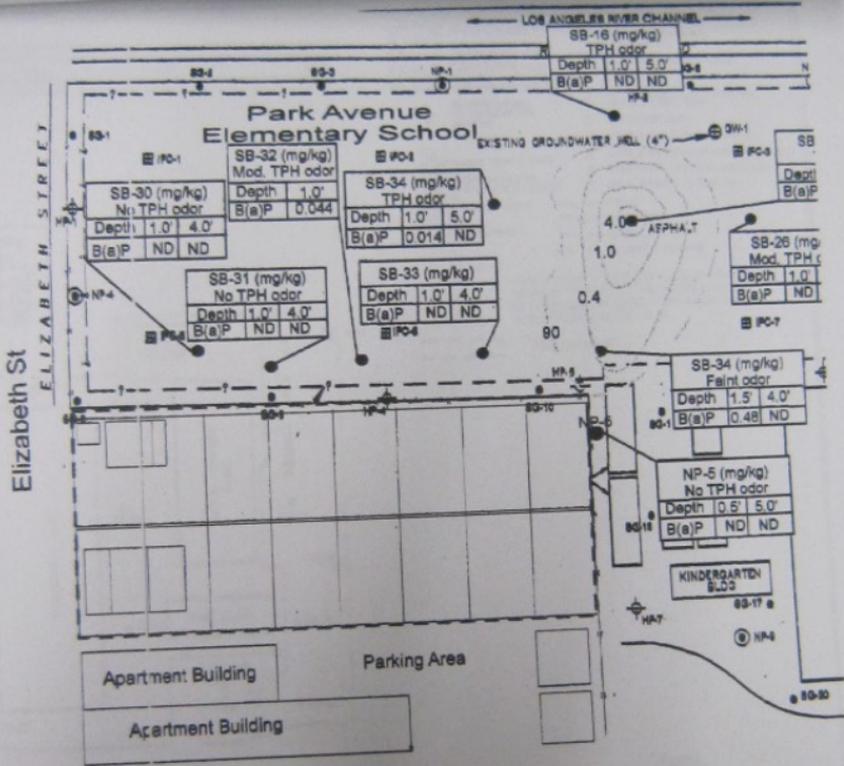
SB-25 SB-26 TPH PCB NP-1 NP-2 NP-3 NP-4 NP-5 NP-6 NP-7 NP-8 NP-9 NP-10 NP-11 NP-12 NP-13 NP-14 NP-15 NP-16 NP-17 NP-18 NP-19 NP-20 NP-21 NP-22 NP-23 NP-24 NP-25 NP-26 NP-27 NP-28 NP-29 NP-30 NP-31 NP-32 NP-33 NP-34 NP-35 NP-36 NP-37 NP-38 NP-39 NP-40 NP-41 NP-42 NP-43 NP-44 NP-45 NP-46 NP-47 NP-48 NP-49 NP-50 NP-51 NP-52 NP-53 NP-54 NP-55 NP-56 NP-57 NP-58 NP-59 NP-60 NP-61 NP-62 NP-63 NP-64 NP-65 NP-66 NP-67 NP-68 NP-69 NP-70 NP-71 NP-72 NP-73 NP-74 NP-75 NP-76 NP-77 NP-78 NP-79 NP-80 NP-81 NP-82 NP-83 NP-84 NP-85 NP-86 NP-87 NP-88 NP-89 NP-90 NP-91 NP-92 NP-93 NP-94 NP-95 NP-96 NP-97 NP-98 NP-99 NP-100

1. ALL RESULTS REFERRED TO PLANNING FOR PLANNING PURPOSES
 2. SB-25-26 RESULTS FOR TPH NOT REPORTED
 3. TPH VALUES FOR NP-1 AND NP-2 REPORTED IN SEPARATE REPORT
 4. EXTENT OF TPH BASED ON RESULTS OF SB-25-26
 5. NP-1 - NP-100
 6. NP-1 - NP-100
 7. NP-1 - NP-100
 8. NP-1 - NP-100

Site Location

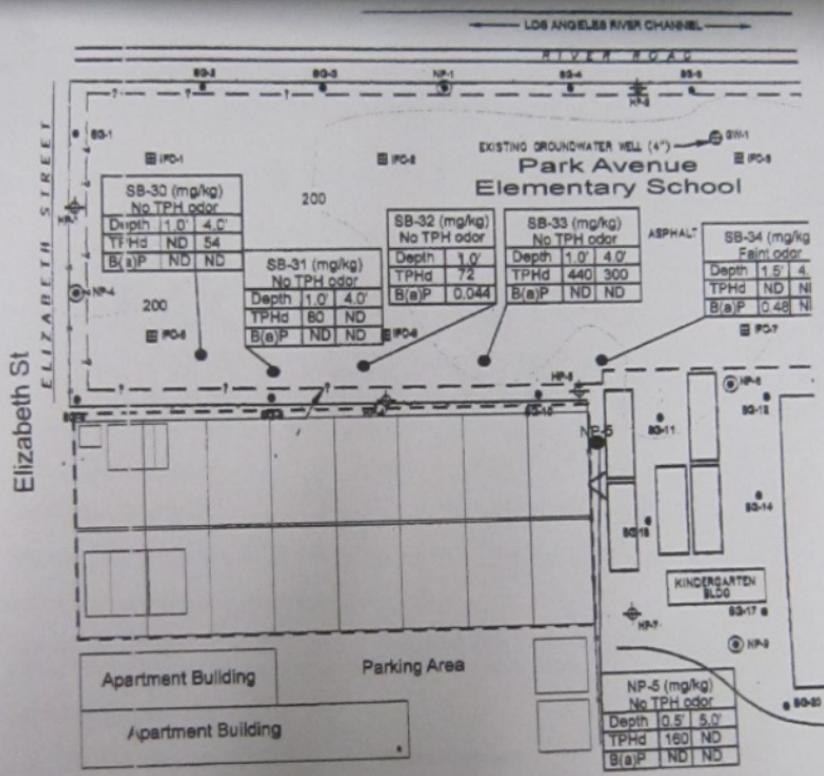


CLIENT	
LOCATION 5258 & 5260 Elizabeth Street Cudahy, CA 90201	
TITLE	FIGURE NUMBER
Extent of B(a)P in Soil 0.5 to 5.5 feet Park Ave Elementary School June to August 2000	17
PROJECT	2849-00
hydrologue, inc. Consulting Engineers & Geologists	
PSA-Cudahy-OTC-2849-00-17	



Source: IT Corporation for LAUSD
for Park Ave ES-Cudahy, CA

Los Angeles E1011



Source: IT Corporation for LAUSD
for Park Ave ES-Cudahy, CA

Cudahy/Los Angeles
Open Elizabeth Street
File 1



erry Tamminen
ncy Secretary
Cal/EPA

Department of Toxic Substances Control

1001 "I" Street, 25th Floor
P. O. Box 806
Sacramento, California 95812-0806



Arnold Schwarzenegger
Governor

MEMORANDUM

TO: Chand Sultana, Project Manager
Site Mitigation Program
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201

FROM: Gerald F. Chernoff, Ph.D. *G.F. Chernoff*
Staff Toxicologist
Human and Ecological Risk Division (HERD)

DATE: August 6, 2004

SUBJECT: Gonzales Property at 5256 and 5260 Elizabeth St., Cudahy
Preliminary Endangerment Assessment Work Plan
PCA: 17020 Site: 301169-17

Background

Per your request, the Human and Ecological Risk Division (HERD) has reviewed the Preliminary Endangerment Assessment (PEA) Work Plan for the Gonzales property located at Elizabeth Avenue in Cudahy. The site consists of two residential lots, approximately 0.95 acres, in a mixed residential area of single-family homes, multi-family residential units, and the Park Avenue Elementary School. The site is reported to be in an area that historically contained the Steepleton Landfill which consisted of a glass recycling facility, a waste impoundment area and an open access dump. The observation of broken glass and dark stained soil in trenches on the school property adjacent to the site raised concern that the contamination from past landfill activities may have impacted the site. A limited number of soil samples were collected at the site and analyzed for metals, volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). The results indicate that there are elevated levels of contaminants on the site. Of greatest concern are the metals arsenic and lead, both of which are at concentrations that represent a potential health hazard. A PEA is planned to further investigate the amount and extent of contamination at the site. Chemicals of potential concern (COPC) to be evaluated in the PEA include metals, VOCs, SVOCs, polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons. The work plan to evaluate these COPC has been submitted to the Department of Toxic Substances Control (DTSC), and HERD has been asked to



Terry Tamminen
Agency Secretary
CalEPA

Department of Toxic Substances Control

1001 "I" Street, 25th Floor
P. O. Box 806
Sacramento, California 95812-0806



Arnold Schwarzenegger
Governor

MEMORANDUM

TO: Chand Sultana, Project Manager
Site Mitigation Program
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201

FROM: Gerald F. Chernoff, Ph.D. *G.F. Chernoff*
Staff Toxicologist
Human and Ecological Risk Division (HERD)

DATE: August 6, 2004

SUBJECT: Gonzales Property at 5256 and 5260 Elizabeth St., Cudahy
Preliminary Endangerment Assessment Work Plan
PCA: 17020 Site: 301169-17

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provide a review with comments. The purpose of this memorandum is to present HERD's review.

Documents Reviewed

"Preliminary Endangerment Assessment Work Plan, Gonzales Property, 5256 & 5260 Elizabeth Street, Cudahy, California 90201", prepared for the Department of Toxic Substances Control by Hydrologue, Inc., dated July 9, 2004 (received at HERD on July 15, 2004).

Scope of Review

The document was reviewed for scientific content. Minor grammatical or typographical errors that do not affect the interpretation have not been noted. If inadequacies in the documents were encountered for the purposes of risk assessment, they are noted in the comments below. Any future changes or additions to the documents should be clearly identified.

General Comment

1. HERD has several concerns with this document that must be adequately addressed before it can be considered acceptable for risk assessment purposes. Details are provided below in the Specific Comments.
2. HERD is concerned about the thoroughness of the site characterization for risk assessment purposes. It is unclear if all the data collected at the site will be used in the risk assessment, or if just the proposed samples will be used. Further complicating the issue is a past removal action. It is unclear from the information presented in the work plan if areas previously found to be contaminated have been removed, and if so, replaced with clean fill. These are issues that must be addressed before the work plan can be approved.
3. HERD recommends that the revised document be carefully proof read and spell checked prior to submission. In this way incomplete sentences and numerous incorrect spellings can be eliminated.

Specific Comments

1. Section 3.9.4.4, pages 38 and 39: The data discussed in this section appear to be located in Appendix F, DTSC Investigation. Please provide a reference to these data in the text of this section. It would be very helpful if a summary table, such as the one for metals in the beginning of Appendix F but presenting the data for each analyte tested, was added to the document. With this, one could easily determine the distribution and extent of contamination across the site. Similarly, a spider map showing the concentrations of analytes at each sampling point and depth would also be helpful for the same reason. HERD recommends that the text in this section be revised as suggested, and that a table and map be provided.
2. Section 3.9.4.5, page 39: In this section, mention is made of a removal action at the site. Please provide a map showing the approximate extent of the soil removal, the

past and proposed sampling locations in the excavated area, and a discussion on the source and type of fill material used to cover the excavations. If clean fill was used to fill the excavations, then it would not be appropriate to do further sampling in the fill material.

3. Section 4.2.1.1, pages 40 and 41: It is noted that tracer gas will be used to detect potential ambient air intrusion into soil gas samples, and that no Summa Canister duplicate samples will be collected. Please provide the rationale for not taking Summa canister duplicate samples, and explain how the tracer gases will be used to evaluate migration of ambient air into soil gas samples.
4. Section 4.2.1.2, page 42, Section 4.2.3, page 49, and Table 2: The text in these two sections and Table 2 note that soil samples collected between 0.5 to 1 foot, and 4.5 to 5.0 feet will be analyzed for VOCs. HERD questions the utility of analyzing surface samples (0.5 to 1.0 foot) for VOCs since volatilization over time would have most likely removed all the VOCs from the surface soils. As an alternative, HERD requests that samples analyzed for VOCs be collected from subsurface (4.5 to 5.0 feet) and deeper (9.5 to 10 feet) soils. Please provide the rationale for retaining the analysis of surface soils for VOCs or revise the text according to this comment.
5. Section 4.3.6, page 58: It is noted that the background data used to evaluate metals as COPC will be taken from soil samples from Park Elementary School. HERD would like to see the background data set before approving this approach. Elevated metals were an issue at the Park Avenue Elementary School, so some data may not be applicable for background purposes. As an alternative, HERD recommends using the entire metals data set from the Bell New Primary Center that is located approximately 1/2 mile from the site. Please provide a summary table of the background data to be used.
6. Section 5.0, page 59: HERD requests that the maximum detected concentration of each detected COPC be used as the exposure point concentration in calculating risk and hazard. Please revise the text accordingly.
7. Section 5.0, page 59: It is unclear if the data collected earlier (locations shown in Figure 9) will be combined with the efforts of the proposed sampling to form a single data set, or if only the proposed sampling will be used as the data set for the risk assessment. Clearly using the data from both sampling events would provide the most information with regards to the distribution of potential contaminants, however, to do so would mean that the data collected earlier is of the same quality as the data to be collected in the proposed sampling plan. Please clarify.

Recommendations, and Conclusion

As detailed above, HERD has several concerns with this work plan that must be adequately addressed before it can be considered acceptable for risk assessment purposes. To do this in an efficient manner, HERD recommends that a response to these comments be prepared and submitted for review prior to making revisions in the main document. Any remaining issues can be resolved in a meeting or telephone conference, so that the next submission of the work plan is acceptable. These comments are meant to be constructive and we hope they are useful. If you have

additional questions please feel free to contact me at 916-255-6687 or e-mail gchernof@dtscc.ca.gov.

Reviewed by: Gerald Pollock, Ph.D. *Gerald A. Pollock*
Senior Toxicologist, HERD

cc: Rita Kamat
Site Mitigation Branch
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201

Angela *FILED*



Terry Tamminen
Agency Secretary
CalEPA

Department of Toxic Substances Control

1011 North Grandview Avenue
Glendale, California 91201



Arnold Schwarzenegger
Governor

Bruce
8/01/04

MEMORANDUM

TO: Ms. Chand Sultana, Ph.D.
Project Manager
Site Mitigation and Brownfields Reuse Program

FROM: Bruce Garbaccio, R.G.
Engineering Geologist
Geological Services Unit, Glendale

CONCUR: Richard Coffman, Ph.D., R.G.
Senior Engineering Geologist
Geological Services Unit, Glendale

DATE: July 30, 2004

SUBJECT: Preliminary Endangerment Assessment Work Plan, Gonzalez Property,
5256 and 5260 Elizabeth Street, Cudahy, California, prepared by
Hydrologue, Inc. July 9, 2004.

PCA 11020 Site Code 301169-00

As requested, Geological Services Unit (GSU) staff have reviewed the above referenced document.

Any questions regarding this memorandum should be directed to Bruce Garbaccio at (818) 551-2180.

General Comments

The general scope of work is adequate to assess potential impacts to the property. Several modifications should be made to allow for a more dynamic approach. GSU staff recommend that soil borings be continuously cored and logged. In this way, visually impacted soil can be observed and selectively sampled. In addition, the interface between fill and native soil can be observed. Based on the findings at the adjacent Park Avenue School and nearby Cudahy Park, most of the contaminants present are relatively immobile and are observed primarily within the fill soils. As the site is on the edge of the former landfill the fill is most likely thinning to west.

Specific Comments

Section 4.3.6 Comparison of Site Data to Background Data

The workplan states that metals data for samples collected on-site will be compared to "site specific background concentrations from Park Avenue Elementary School". The Park Avenue school was the site of a removal action, and therefore, soil samples from this site are not suitable for use as background data. GSU staff recommend using data from the Bell New Primary Center, located approximately 0.5 miles north of the subject site. This data was used for background data for both the Park Avenue school and the Cudahy City Park. This data can be provided by DTSC to Hydrologue.

Section 3.9.4.3.1.5 Removal Action at the Park Avenue School

Mr. Bruce Garbaccio of the GSU is quoted as saying that 14,000 cubic yards of soil were removed from the Park Avenue School. This number is inaccurate; a more accurate estimation is that approximately 80,000 cubic yards of soil have been removed. Personnel in the DTSC Schools Unit should be contacted for the correct volume.

Section 4.2.1 Rationale for Sampling Strategy

Soil Gas Samples

This section states that soil gas samples will be collected at depths of 5 and 15 feet below ground surface. As the depth of fill on the site is most likely less than 15 feet, GSU staff recommend that soil gas samples be collected at depths of 5 and 10 feet.

The number of sample locations (12) and even distribution across the site should provide a good assessment of the magnitude and distribution of volatile organic compounds present at the site.

Soil Samples

Based on observations made during the investigation at the adjacent Park Avenue School and the nearby Cudahy Park, it appears that the Gonzalez property is on the west flank of the former landfill, and therefore the depth of fill is likely to thin to the west. **GSU staff recommend that soil borings be drilled until native soil or groundwater is encountered.**

It is proposed that soil samples be collected at depths of 0.5, 5, 10, and 15 feet. **GSU staff recommend that all borings be continuously cored, as this will help to determine the depth of fill and presence of visually impacted zones. In addition to the proposed depths, soil samples should be collected at 2.5 feet below ground surface. In addition, GSU staff recommend that the soils analysis plan be modified as follows:**

Soil samples to be analyzed for volatile organic compounds (VOCs) should be selected based on the results of the soil gas sampling and field observations made during sample collection (elevated organic vapor readings, odors, visually observed indications of contamination). Soil samples collected at depths of less than 2.5 feet should not be analyzed for VOCs as the influence of surficial conditions (sun, rain, etc.) are likely to have significantly reduced the concentration of any VOCs present.

Soil samples to be analyzed for semi-volatile organic compounds (SVOCs) and PCBs should also be selected based on observations made during sampling, such as discolored, oily, or tarry soils.

Figures 10 and 11 Cross Sections B-B' and C-C'

The locations of cross sections B-B' and C-C' on Figure 9 (the site map showing proposed boring locations) is unclear. This is in part because many of the borings shown on the cross sections do not appear on the map. Based on the map, the lines of section are located on the east and south sides of the school. It appears that the many of the soil borings and the Gonzalez property have been transposed a long distance onto the line of section. This is an inaccurate representation of the site, as the conditions on the Gonzalez property may be significantly different than those on the adjacent Park Avenue school. **The line of each section should be clearly indicated**

on the map. The cross sections should be modified to more clearly indicate areas where subsurface data exists.

Figure 17 Extent of B(a)P in Soil

Contours for Benzo(a)pyrene concentrations shown on the map appear to have been constructed using data that is not represented. This figure is based on data generated by IT Corporation for the Los Angeles Unified School District investigation of the Park Avenue School. **This information should be clearly indicated on the figure.**

Figure 18 Extent of TPHd, PCBs, and B(a)P in Soil

The title states that the map shows the "Extent of TPHd, PCBs, and B(a)P, however, contour lines shown on the map are only for TPHd (total petroleum hydrocarbons-diesel). **The title of the figure should be changed accordingly. In addition, IT Corporation should be referenced as noted above for Figure 17.**

ATTACHMENT A
Specification of Work Ordered
Cudahy City Park Residential Projects (Site)
Contract 02-T2707, Work Order Number 3-707-1.0-301169

I. WORK ORDERED

A. Site Description

The Site being investigated is currently owned by Mr. Salvador Gonzales and is located at 5260 Elizabeth Street, in the City of Cudahy, Los Angeles County, California. The Site is approximately one half acre consisting of a single family housing unit located in a mixed residential area of single family homes, multi-family residential units, the Park Avenue Elementary School and the former Steepleton Landfill. See Exhibit A, Regional Map. Landfill activities were conducted from approximately 1934 to 1960. The former Steepleton Landfill consisted of a glass recycling facility, a large waste impoundment area, and an open access dump. The former landfill may have impacted the Site during its' operation.

The glass recycling facility was owned by the Owens-Illinois Company and operated by Mr. B.H. Steepleton on the northern portion of the School from 1927 to 1960 on land owned by Mr. Jacob Hohn. The glass recycling facility washed broken glass in solvents before reforming it into various shapes.

The waste impoundment area, located to the east along River Road and directly beneath the Park Avenue Elementary School playground, was used for the disposal of oily sludge generated from service stations, refineries, and oil development processes. The open-access dump accepted class I and II wastes. The open-access dump is located south of the waste impoundment area.

In February 2003, DTSC's School Property Evaluation and Cleanup Division reported pieces of broken glass and dark-stained soil in trenches close to the school and residential property boundary line. Because of the proximity of contamination to the boundary line the adjacent property may be contaminated with hazardous substances related to the former landfill site.

DTSC had conducted an investigation on April 23, 2003 which indicated elevated levels of Antimony (Sb) ranging from 25 mg/kg to 420 mg/kg, Arsenic (As) from 12 mg/kg to 57 mg/kg, lead (Pb) from 26 to 8,500 mg/kg.

CONTAMINANT	PRG*	CONCENTRATION RANGE	EXCEEDANCE
ANTIMONY (Sb)	31	25 - 420	92.6 %
ARSENIC (As)	11.3	12 - 57	80.0 %
LEAD (Pb)	180	26 - 8500	97.8 %
COPPER (Cu)	3100	17 - 1300	
ZINC (Zn)	23000	100 - 16000	

The levels of all these contaminants, with the exception of copper and zinc, exceed the U.S. EPA's Residential Preliminary Remedial Goals (PRGs) for antimony (Sb), and DTSC's screening Level for arsenic (As) and Lead (Pb).

The objectives of DTSC's present sampling effort are for further PEA purposes. Based on these efforts a removal and/or remedial action will be established for the site.

The PEA field activities must be conducted within a month, and the Report must be completed by July 12, 2004.

B. Objective

The declared and acknowledged intention of this project is as follows: Preparation of a Preliminary Endangerment Assessment (PEA) Workplan of the property next to the Park Avenue Elementary School (Gonzales Property) located at 5260 Elizabeth Street, Cudahy, Los Angeles County, California. For this project the PEA shall include 1) File Review and Site Visit 2) PEA Workplan 3) Implementation of PEA Workplan 4) PEA Report 5) Final PEA Report 6) Project Management and Meetings. Contractors submitting Bids must use the attached "Labor Cost Estimate" and "Field and Analysis Cost Estimate" worksheets.

This investigation builds upon information already obtained during previous investigations of the site and adjacent properties to verify and substantiate collected data. The PEA will collect additional data through site reconnaissance and through the collection of physical environmental samples to analyze for and verify the presence of hazardous substances.

Field sampling will be conducted under protocols accepted by the U.S. Environmental Protection Agency (EPA) as specified by the DTSC Hazardous Materials Laboratory (HML). Specific objectives of DTSC with sampling for the Site include:

- Determining the extent of release of hazardous wastes/substances at the Site.
- Estimating the potential threat to residents, public health and/or the environment posed by the Site and providing an indicator or relative risk among sites.

Department of Toxic
Substances Control

Database Search

Site Mitigation Program Properties Database (SMPPD) Profile Report

This information is for Departmental use only, and should not be shared with the public. All public inquiries regarding data should be directed to the SMPPD Helpdesk at (916) 323-3400.

ID: 19000019 **Name:** CUDAHY RESIDENTIAL AREA **Region:** 3
5260 ELIZABETH **County:** LOS ANGELES
LOS ANGELES **CA 90201** **Branch:** SO CAL - GLENDALE
MAAPS of this site **EnviroMapper of this site** **Street Map of this site**

Status: 06/30/2003 - ANNUAL WORKPLAN - ACTIVE SITE
Lead: DEPT OF TOXIC SUBSTANCES CONTROL

Type: STATE FUNDED SITE

NPL: NOT LISTED

Project Manager: Chand Sultana - (818) 551-2962 **Email:** CSULTANA@dtsc.ca.gov

SIC: 00 - PROPERTIES THAT DO NOT HAVE SIC CODES

Assembly District: 50 **Senate District:** 30

Site History

Site history shows that a portion of the backyard of the property may have been used for landfill operations during the 1930s to 1960s. The Site is currently being used as a residential property. On April 23, 2003, DTSC conducted soil sampling to determine if the property has been impacted by hazardous substances release from past landfill operation. Results of DTSC's sampling resulted in the detection of contaminants including metals and semi-volatile hydrocarbon compounds. Lead was detected ranging from 26 to 8,500 milligrams per kilograms. Most of the contamination is located in the backyard area of the property. DTSC proposed to conduct a remedial investigation in fall 2003 to determine the extent of contamination at the Site.

Comments**Potential/Confirmed Hazardous Waste****Description**

UNSPECIFIED OIL CONTAINING WASTE
WASTE OIL & MIXED OIL

Identification Information

RWQCB Region:

File Name:

<http://intranet/database/calsites/CALP001.CFM?idnum=19000019>

7/23/2004

Associated IDs
CodeDescriptionValue

Names used for this site

Names
CUDAHY RESIDENTIAL AREA
STEEPLETON LANDFILL

Addresses used for this site

Address	City	State	Zip
5260 ELIZABETH	LOS ANGELES	CA	90201

Lat./Long.: 0 Deg, 0 Min, 43.17 Sec, / 0 Deg, 0 Min, 28.45 Sec,
Method: TOPOZONE 1/03
Description:

Special Characteristics

No data available at this time.

Access: No data available at this time.

Groundwater Contamination: No data available at this time.

Operational Methods

LANDFILL

Commitment Information

Code	Desc.	Due Date	Revised	Completed	Activity
PEA	PEAE	06/30/2004			PRELIMINARY ENDANGERMENT ASSESSMENT

End of Report

Home Search Catalog Results Manager My Account Session Total New Search Training Help Log Out

Reference: 123

Detail

Real Property Ownership and Deed Transfers

Real Property Ownership is from the county assessor office and is updated annually. Deed Transfers from the county recorder office and may be more current than the assessor data. To determine current ownership, review the transactions and dates in both sections of the Detail.

Previous Screen

Printer Friendly

REAL PROPERTY OWNERSHIP

OWNERSHIP INFORMATION

Owner Name: GONZALEZ SALVADOR
 Second Owner Name: GONZALEZ MARY
 Absentee Owner: OWNER LIVES AT A DIFFERENT LOCATION
 Situs Address: 5256 ELIZABETH ST
 CUDAHY CA 90201-5333 
 Mailing Address: 5260 ELIZABETH ST
 CUDAHY CA 90201-5333 
 Phone Number:
 Parcel Number: 6224001014
 County: LOS ANGELES

SALES INFORMATION

Sales Date: Recording Date: 06/06/1973
 Sale Amount: \$23,000
 (Most Recent Sale Price)
 Full/Partial Sale: SALE WAS FOR THE FULL AMOUNT
 Sale Transaction Type: RESALE
 Sales Deed Category Type: GRANT DEED

Loan Amount:
 Residential Model Indicator: NO

ASSESSOR INFORMATION

Assessment Year:
 Assessed Land Value: \$24,128
 Total Assessed Value: \$51,875
 Market Land Value:
 Total Market Value:
 Calculated Land Value: \$24,128
 Calculated Total Value: \$51,875
 Tax Year: 2004
 Exemption: MISCELLANEOUS HOMEOWNERS EXEMPTION

Assessed Improvements: \$27,747
 Market Improvements:
 Calculated Improvement Value: \$27,747
 Tax Amount: \$1,126

PROPERTY CHARACTERISTICS

Year Built:	1959		
Property Type:	SINGLE FAMILY RESIDENCE/TOWNHOUSE		
Land Use:	SINGLE FAMILY RESIDENCE		
Tax Rate Code Area:	636	Zoning:	CUR3*
Lot Size:	20,670 SQFT	Lot Size (Acres):	0.4745
Lot Width:	53	Lot Depth:	390
Number of Buildings:	1	Number of Units Per Building:	1
Building Area:	1,122 SQFT	Number of Stories:	100
Living Area:	1,122 SQFT		
Number of Bedrooms:	3	Total Rooms:	5
Number of Full Baths:	1		
Total Number of Baths:	1.0		
Heating:	WALL FURNACE		
Garage:	ATTACHED	Parking Type:	ATTACHED GARAGE
Parking Spaces:	1	Style Classification:	CONVENTION
Construction Quality:	AVERAGE		
Roof Description:	GRAVEL		
Exterior Walls:	STUCCO		
Foundation:	SLAB		
Thomas Brother Map and Grid:	705-F2	Fema Community Panel Number:	0606570000

LEGAL DESCRIPTION

Lot:	421		
Carrier Code:	C006	Mail Carrier Code:	C006
Census Tract:	5343.02	Legal Tract:	1.80
Legal Description:	TRACT NO 180 W 52.5 FT OF		

REAL PROPERTY DEED TRANSFERS

DEED TRANSFERS

Parcel Number:	6224001014		
Situs Address:	5256 ELIZABETH ST CUDAHY CA 90201-5333		
County:	LOS ANGELES		
Transaction Type:	NOMINAL		
Mortgage Deed Type:			
Document Type:	GRANT DEED	Document Year:	2005
Document Number:	000002700044		
Seller Name(s):	GONZALES SALVADOR M		
Primary Buyer:	GONZALES MARY		

Buyer Address: 36922 ATKA CT
PALMDALE CA 93552-5456

Absentee Owner: OWNER OCCUPIED BASED ON TAXROLL FILE

Sale Date: 10/17/2005 Recording Date: 11/08/2005

Sale Price:

Property Type: SINGLE FAMILY Resale/New Construction: RESALE
RESIDENCE/TOWNHOUSE

Cash Sale/Mortgage: CASH

Lot Size: 1,122 SQFT

Block: 1001

Land Use: SINGLE FAMILY RESIDENCE

Tract Number: 534302

Mailing Carrier Code: C050 Situs Carrier Code: C006

Postal Code: CA

On 10/17/2005, GONZALES SALVADOR M transferred ownership of this property through a grant deed to GONZALES MARY. The property's lot size is 1,122 SQFT. Information on this deed transfer was recorded in the state of CALIFORNIA's deed transfer records in document 000002700044 on 11/08/2005.

If any fields are blank, this indicates the source did not supply that information for this property.

[View Complete Property History](#) - Click here to view all taxroll and all deed records for this property

HAZARD APPRAISAL AND RECOGNITION PLAN PRE-SITE VISIT FORM

SECTION A. FIELD TEAM

Prepared by: Richard Sultana
 Date: July 27, 2005
 Phone: (562) 582-2462

Name	Unit/Agency	Responsibility
<u>Richard Sultana</u>	<u>SMB</u>	<u>PM</u>
<u>Richard Robert</u>	<u>SMB</u>	
<u>Bruce Garabaccio</u>	<u>SMB</u>	<u>Geologist</u>
<u>Pat Kanat</u>	<u>SMB</u>	<u>Health</u>
<u>Yvette Laduke</u>		

SECTION B. SITE DESCRIPTION

Site Name: GENZALE'S PROPERTY, CUDAHY
 PCA No. 17062 Project # 301169 WP 17
 Address: 5260 & 52500 Elginville St.
 City Elginville State CA
 Site Phone No. (415) 716-0216
 NOTE: Attach Map of site and directions to Hospital
 Contact Person: Gene Fielder
 Type of Operation/Waste Stream (Describe):
Excavation of lead-contaminated soil

Purpose of Visit (Describe): On-site excavation work

Site Visit Date(s): Aug 2 - Sept 30, 2005
 Estimated Time on Site: Hours 3-4 Days 30
 Nearest Hospital and Address: Mission Hospital
311 E. Florence Ave, Huntington Park
 Phone No. (323) 582-8261

SECTION C. NUMBER OF SAMPLES TO BE COLLECTED

Air	Surface
Drum(s)	Surface Water
Ground Water	Tank(s)
Soil/Sediment	Waste/Sludge
Pump/Pit	Other

Soil/Sediment: 40

SECTION D. POTENTIAL HAZARDS

1. Chemical Hazards	2. Physical Hazards
<input type="checkbox"/> Carcinogen	<input type="checkbox"/> Confined Space (atmosphere)
<input type="checkbox"/> Corrosive	<input type="checkbox"/> Heat or Cold Stress (expected)
<input type="checkbox"/> Developmental Health Hazard (Teratogen)	<input checked="" type="checkbox"/> Temp. <u>65</u> °F
<input checked="" type="checkbox"/> Dust	<input checked="" type="checkbox"/> Machinery / Construction <u>EXCAVATION</u>
<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Noise (Source/Duration) <u>65 dBA +</u>
<input type="checkbox"/> Flammable	<input type="checkbox"/> Oxygen Deficiency
<input type="checkbox"/> Inorganic Vapor/Gas <u>Cont. Air</u>	<input type="checkbox"/> Radioactive Materials
<input checked="" type="checkbox"/> Metals <u>Cont. Air</u>	<input type="checkbox"/> Unknown/Other
<input type="checkbox"/> Oxidizers	<input type="checkbox"/> Unlabeled
<input type="checkbox"/> PCB's	3. <input type="checkbox"/> Unlabeled
<input type="checkbox"/> Pesticides	4. <input type="checkbox"/> Other (Specify):
<input type="checkbox"/> Reproductive Health Hazard	
<input type="checkbox"/> Skin Absorption	
<input type="checkbox"/> Solvent	

(0.03 mg/m³) (10⁵ mg/m³)
 (5000 mg/m³) (2) (5 mg/m³)

Site (Use this space to describe hazards):
Cont. Soil, dust, noise
Cont. Air
Excavation Area / Heavy Equipment
Excavation

SECTION E. BASIC INFORMATION ON POTENTIAL HAZARDS

(Attach Copies of HARP Chemical Data Sheets or other appropriate information as suggested in instructions)

SECTION F. EXPOSURE CONTROL METHODS

Engineering Administrative Work Practices
 Describe: Wear PPE Safety Vest
Safety glasses, Hard hat,
Don't drink water, Air Machine
Stay out of unknown zone, Don't
touch water

SECTION G. REQUIRED PERSONAL PROTECTIVE EQUIPMENT

Level of Protection: B C D
 Gloves(s) Outer = O Inner = I
 ___ Cotton/Vinyl Suit
 ___ Nitrile Cloth Coveralls
 ___ PVC/Monkey Grip Silver Shield / 4H Tyvek
 ___ Other P.E. Tyvek
 ___ Other Saranex
 ___ Other Tychem
 ___ Other Baracade/Chemtuff
 ___ Other R-100
 Respirator: A/P Cartridge SCBA Escape (ELSA - 5 min.)

Other Safety Gear:

Binoculars Hearing Protection Plugs Muff
 Boot Covers Safety Vest
 Boots Two-Way Communication Kit
 Eye Protection Other _____
 Hard Hat

SECTION H. SURVEY EQUIPMENT

Combustible Gas/Oxygen Meter Probe _____
 Photoionization Detector TVA 1000
 Organic Vapor Analyzer (OVA) _____
 Drager Tubes / CMS (Specify) _____
 pH Meter/Paper WBGT Meter Noise Dosimeter
 Pac III Proposed work _____
 Sound Level Meter Radiation Meter (Ludlum 19) rad
 Radiation Dosimeter Radiation Meter (Ludlum 19)
 Aerosol/Particle Monitor If levels reach 0.05 mg/m³
 Other (Specify) _____

SECTION I. OTHER HYGIENE AND SAFETY EQUIPMENT

Available	On Site	Bring
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Canopy/Tarp/Unbrella
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Drinking Water
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Shower/Eye Wash
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Fire Extinguisher
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> First Aid Kit
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Plastic Shoring/Blocks/Bags
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Portable Toilets
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Washing Facilities

SECTION J. PERSONAL MONITORING

Heart Rate Oral Temperature
 Do you need Industrial Hygiene Monitoring? Yes No
 If Yes: Type? Noise Air Other (Specify) _____

SECTION K. REVIEW / APPROVAL

Health and Safety / Risk (Review):
Richard Sultana
 Supervisor (Approval):
Richard Sultana

2/29/05
 Date
 8/1/05
 Date

Under "Responsibility" not which task each team member will be doing, such as, Site Safety Officer, Instrument Technician, Sample Taker etc. Also indicate lead staff person, is same as Site Safety Officer, working together as one team.

Field Form: Make sure correct form title, instructions, etc.) is noted. This form is intended for DTSC field use only, to include other agencies as you see fit.

SECTION A: **PLANNING**

Department of Toxic Substances Control

PLAN PRE-SITE VISIT FORM

Phone: 415-554-2462

1	Name	Unit/Agency	Responsibility
1	CHANA WILSON	SMIS	Lead Field Staff
2	RICHARD GARGERT	SMIS	PM
3	BRUCE GARGARON	SMIS	Lead Staff
4	ATA KAMAT	SMIS	Lead Staff
5	Yvette Lachuke	SMIS	Lead Staff
6			

SECTION B. SITE DESCRIPTION

Site Name: CONZALE'S PROPERTY, CUDANY

PCA No: 1702 Project # 201169 WP

Address: 5500 + 52nd St, Sycamore St.

City: San Jose State: CA Zip: 95128

Site Phone No: 415-716-0216

NOTE: Attach Map of site and directions to Hospital

Contact Person: Gene Fielder

Type of Operation Waste Stream (Describe): excavation of lead-contaminated soil

Purpose of Visit (Describe): on-site excavation work

Site Visit Date(s): Aug 2 - Sept 30, 2005

Estimated Time on Site: Hours/Day 4 Days 20

Nearest Hospital and Address: Meridian Hospital

Phone No: 311 E. Florence Ave - Meridian, CA

SECTION C. NUMBER OF SAMPLES TO BE COLLECTED

Air	Surface
Drum(s)	Surface Water
Ground Water	Tank(s)
Soil/Sediment	Waste/Sludge
Sludge/PSI	Other

Soil/Sediment: 40

SECTION D. POTENTIAL HAZARDS

1. Chemical Hazards	2. Physical Hazards
<input type="checkbox"/> Carcinogens	<input type="checkbox"/> Confined Space
<input type="checkbox"/> Corrosives	<input type="checkbox"/> Heat or Cold Stems (expected Temp. <u>65</u> °F)
<input type="checkbox"/> Developmental Health Hazards (Teratogens)	<input checked="" type="checkbox"/> Machinery / Construction <u>Excavation</u>
<input checked="" type="checkbox"/> Gases	<input checked="" type="checkbox"/> Noise (Source/DiCBels) <u>65-70</u>
<input type="checkbox"/> Explosives	<input type="checkbox"/> Oxygen Deficiency
<input type="checkbox"/> Flammable	<input type="checkbox"/> Radioactive Materials
<input type="checkbox"/> Inorganic Vapors (Acids)	<input type="checkbox"/> Unknown/Other
<input checked="" type="checkbox"/> Metals <u>As, Pb, Cu</u>	<input type="checkbox"/> Biohazards
<input type="checkbox"/> Oxidizers	<input type="checkbox"/> Other (Specify)
<input type="checkbox"/> PCB's	
<input type="checkbox"/> Pesticides	
<input type="checkbox"/> Reproductive Health Hazards	
<input type="checkbox"/> Skin Absorption	
<input type="checkbox"/> Solvents	

Use This Space to describe hazards

Lead-contaminated soil

Asbestos

Mercury

SECTION E. BASIC INFORMATION ON POTENTIAL HAZARDS

(Attach Copies of HARP Chemical Data Sheets or other appropriate information as suggested in instructions)

SECTION F. EXPOSURE CONTROL METHODS

Engineering Administrative Work Practices

Describe: Wear PPE, Safety Vest, Safety glasses, Hard hat, Dust mask, Air monitor, Stop out of operation zone, etc.

SECTION G. REQUIRED PERSONAL PROTECTIVE EQUIPMENT

Level of Protection: B C D

Glove(s) Outer = O Inner = I

Cotton/Vinyl Cloth Coveralls

Silver Shield / 4H Tyvek P.E Tyvek

Neoprene Saranex Tychem

Nitrile PVC/Monkey Glop Barcade/Chemuff

Grip Glove / Kevlar Other

Respirator: A/P Cartridge R-100 SCBA Escape (ELSA - 5 min.)

Other Safety Gear:

Binoculars Hearing Protection Plugs Muff

Boot Covers Safety Vest

Boots Two-Way Communication Kit

Eye Protection Other

Hard Hats

SECTION H. SURVEY EQUIPMENT

Combustible Gas/Oxygen Meter Probe 4150

Photoionization Detector TVA 1000

Organic Vapor Analyser (OVA)

Drager Tubes / CMS (Specify)

pH Meter/Paper WBGT Meter Noise Dosimeter

Pac III Proposed work rest

Sound Level Meter

Radiation Dosimeter Radiation Meter (Ludlum 19)

Aerosol/Particle Monitor if levels reach 0.05 mg/m³

Other (Specify)

SECTION I. OTHER HYGIENE AND SAFETY EQUIPMENT

Available	On Site	Bring
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Canopy/Tarp/Umbrella
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Drinking Water
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shower/Eye Wash
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fire Extinguisher
<input type="checkbox"/>	<input checked="" type="checkbox"/>	First Aid Kit
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Plastic Sheeting/Bucket/Bag
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Portable Toilets
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Washing Facilities

SECTION J. PERSONAL MONITORING

Heart Rate Oral Temperature

Do you need Industrial Hygiene Monitoring? Yes No

If yes, What Type? Noise Air Other (Specify)

SECTION K. REVIEW / APPROVAL

Health and Safety Unit (Review) 7/29/05 Date

Supervisor (Approval) 8/11/05 Date

GONZALES CONFIRMATION SAMPLES

Sample Identification	Sample Collection Date	Lead RL = 1 mg/kg	Arsenic RL = 1 mg/kg	SVOC's RL = 2 mg/kg	BTEX MTBE RL 0.005 mg/kg
A1					
A1E(1)5'	8/15/2005	1654	ND	ND	ND
A1E(2)7'	8/15/2005	7	ND	ND	ND
A1F10'	8/15/2005	ND	ND	ND	ND
A1S5'	8/15/2005	522	ND	ND	ND
A2					
A2E5'	8/15/2005	3794	ND	ND	ND
A2F10'	8/15/2005	45	ND	ND	ND
A3					
A3E5'	8/17/2005	1717	ND	ND	ND
A3F10'	8/17/2005	1140	ND	ND	ND
A3-F(2) 12'	8/30/2005	42			
A4					
A4E5'	8/19/2005	631	ND	ND	ND
A4F 7'	8/19/2005	309	ND	ND	ND
A4-F(2) 8'	8/30/2005	26			
A5					
A5E4'	8/23/2005	9,362	8	ND	ND
A5F7'	8/23/2005	1,226	4	ND	ND
A5-F(2)	8/30/2005	ND			
A6					
A6E4'	8/24/2005	1022	10	ND	ND
A6F7'	8/24/2005	914	23	ND	ND
A6-F(2) 8'	8/30/2005	23	ND		
A7					
A7E4'	8/26/2005	ND	ND	ND	ND
A7F7'	8/26/2005	74	ND	ND	ND
A8					
A8-F 9'	8/29/2005	2	ND	ND	ND
A8-N-5	8/29/2005	132	4	ND	ND
A8-E-4'	8/29/2005	873	14	ND	ND
A8-E-6.5'	8/29/2005	7125	69	ND	ND
B1					
B1F10'	8/15/2005	6	ND	ND	ND
B1S5 5'	8/15/2005	79	ND	ND	ND
B2					
B2F8'	8/15/2005	11	ND	ND	ND
B3					
B3F10'	8/17/2005	23	ND	ND	ND

Copy given to

Hameed

B4						
	B4F7'	8/19/2005	1510	ND	ND	ND
	B4-F(2) 9'	8/30/2005	ND			
B5						
	B5F7'	8/23/2005	1042	33	ND	ND
	B5-F(2) 9'	8/30/2005	2	ND		
B6						
	B6F 7'	8/24/2005	2181	27	ND	ND
	B6-F(2) 8'	8/30/2005	ND	ND		
B7						
	B7F' 8'	8/26/2005	ND	ND	ND	ND
B8						
	B8N(1)4'	8/26/2005	674	ND	ND	ND
	B8N(2)7'	8/26/2005	504	ND	ND	ND
	B8F' 8'	8/26/2005	253	ND	ND	ND
C1						
	C1W5'	8/14/2005	9	ND	ND	ND
	C1F10'	8/15/2005	46	ND	ND	ND
C2						
	C2W5'	8/15/2005	213	ND	ND	ND
	C2F8'	8/15/2005	326	ND	ND	ND
	C2-F(2) 9'	8/30/2005	5			
C3						
	C3F10'	8/17/2005	41	ND	ND	ND
	C3W5'	8/17/2005	3528	ND	ND	ND
C4						
	C4W5'	8/19/2005	752	ND	ND	ND
	C4F10'	8/19/2005	104	ND	ND	ND
C5						
	C5W4'	8/23/2005	2995	4	ND	ND
	C5F7'	8/23/2005	2304	4	ND	ND
	C5-F(2) 9'	8/30/2005	224			
C6						
	C6W3.5'	8/26/2005	9575	ND	ND	ND
	C6W5.5'	8/26/2005	864	ND	ND	ND
	C6F7'	8/26/2005	71	ND	ND	ND
C7						
	C7-F 8'	8/29/2005	75	ND	ND	ND
	C7-W-4'	8/29/2005	898	5	ND	ND
	C7-W-6.5'	8/29/2005	628	4	ND	ND
C8						
	C8-F 8'	8/29/2005	ND	ND	ND	ND
	C8-W-4'	8/29/2005	133	3	ND	ND
	C8-W-6.5'	8/29/2005	5352	4	ND	ND
	C8-N-4'	8/29/2005	1641	ND	ND	ND
	C8-N-6.5'	8/29/2005	58	ND	ND	ND



CSS ENVIRONMENTAL SERVICES, INC.
95 Belvidere Street, Suite 2
San Rafael, CA 94901
(415) 457-9551
Fax (415) 457-9261

June 20, 2005

Mr. Saul Bolivar
City of Cudahy
5220 Santa Ana Street
Cudahy, CA 90201

**Subject: Gonzales Property Site
5256 & 5260 Elizabeth Street
Cudahy, CA 90201**

Dear Mr. Bolivar:

On behalf of Performance Excavators (Perf-Ex), CSS Environmental Services, Inc. (CSS) is submitting an excavation and grading permit application for contaminated soil excavation activities at the Gonzales Property site. As you know, the California Department of Toxic Substances Control (DTSC) has retained Perf-Ex to complete remove and dispose offsite removal activities. Because the city and DTSC have agreed to conduct this excavation remediation work during the summer school closure period, the work is scheduled to begin in July 2005 and be completed by September 30, 2005. Per your request, the following information is provided in support of the excavation permit application:

Site Location and Background

The Gonzales property is located approximately 0.3 miles north of the park site, and has been identified as an extension repository of wastes found at the City of Cudahy Park site. The project areas are located within the former Steepleton Landfill. Figure 1 provides the regional location of the park site and Gonzales property, Figure 2 presents an aerial view of the respective project sites, and Figure 3 presents the Gonzales project site. In summary, wastes identified at the park site were also disposed of within the area of the current Gonzales property. Because of this, soil removal actions are planned at both sites, simultaneously. The expected excavation volume at the Gonzales property is approximately 9,000 cubic yards of waste soils in an approximately area of 33,000 square feet.



CSS ENVIRONMENTAL SERVICES, INC.

Contact: General Contractor: Performance Excavators, Inc.
103 Shoreline Parkway, Second Floor
San Rafael, CA 99401
Attn: Eugene Fiedler office (415) 257-4640
cell (415) 716-0216

Permit and Fees: Attached is the permit application with a permit fee (\$1,002.33) and plan check fee (\$1,205.10) for removal of the projected 9,000 cubic yards of contaminated soil.

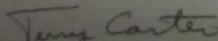
License and Insurance: A copy of the current General Engineering "A" license, current proof of liability insurance and workers compensation insurance are attached

Summary of Work: After obtaining the necessary permits from the City of Cudahy and from the Air Quality Management District (AQMD), Perf-Ex will

- Mobilize equipment and personnel to the site,
- Install temporary security fencing and install perimeter silt fencing. Cut/cap irrigation at perimeter of work area
- Remove and dispose offsite: 1) Phase II area trees/shrubs, and 2) miscellaneous debris.
- Remove necessary sections of existing fence for heavy equipment access. Excavate contaminated soil, load into trucks for disposal at the approved offsite landfill.
- Backfill to 90% relative compaction with clean imported fill material.
- De-mob from site.

If you have questions or comments, please call me at (415) 457-9551.

Sincerely,
CSS Environmental Services, Inc.


Terrance E. Carter
Senior Project Manager



CITY OF CUDAHY

Inspections Are Available
Monday Through Friday

Inspection Request (323) 773-5143

NOTES

- All work shall be done in accordance with the Standard Specifications for Public Works Construction, latest edition and addendums, unless otherwise specified.
- Traffic control throughout permit construction shall conform to the current State of California Manual on Traffic Control for Construction and Maintenance Work Zones, latest edition.
- Provisions shall be made for lighted barricades, delineators and traffic control personnel to adequately control the flowing public during construction and excavation operations. When necessary for public safety, traffic control shall be on duty twenty-four (24) hours of each day.
- A sign at the permit shall be kept at the site of work at all times and prohibited upon closure.
- All work authorized under this permit MUST BE COMPLETED WITHIN THE TIME SPECIFIED THEREIN UNLESS SO COMPLETED. THIS PERMIT SHALL BE VOID, its extension of time may be granted if needed for twenty-four (24) hours before permit expires.
- The City of Cudahy Engineering Department SHALL BE NOTIFIED AT LEAST TWENTY-FOUR (24) HOURS BEFORE START OF WORK by telephoning (262) 773-5143. Should the inspector find work in progress not in compliance by the Permittee and permit not in-use during construction, work may be stopped for a period of not less than the remainder of the day.
- An additional inspection fee not less than double the original fee, will be charged for failure to apply for a permit prior to commencement of work.
- The holder to any permit and any agent, servant, or employee working for said permit holder on any excavation and/or shall inform himself and obtain all necessary information as to the existence and location of all underground pipes, lines, manholes, wires, signal devices, substructures, and appurtenances of any utility, and the City shall be protected by the Permittee against any damage by reason of any excavation or fill. Any damage caused by such underground installations, appurtenances, or substructures, shall be paid for by Permittee. Such repairs as are required, shall be made or be caused to be made by the City of Cudahy and added to such Permittee who shall pay the same upon receipt of a statement of the cost of such repair.
- Form inspection will be required prior to placement of concrete at all the completion of work. At least twenty-four (24) hours notice will be required before inspection can be provided.
- Work shall be performed between the hours of 7:00 A.M. and 4:00 P.M.
- Specific provision and conditions may be appended to each permit.
- Excavators must have lighted barricades at each end and must be removed after seven (7) days.
- All trenches and/or open holes shall be filled, covered, or grouted and adequately barricaded at the end of each day and whenever work is not in progress.
- Compaction tests required at locations and depths as determined by City Engineer at cost Permittee.

JLIC WORKS PERMIT

APPLICATION FOR CONSTRUCTION EXCAVATION ENCROACHMENT

APPLICANT Lance Bushnell			LOCATION 5256/5260 Elizabeth St	
COMPANY NAME Performance Excavators			PURPOSE Contaminated Soil Removal	
STREET ADDRESS 103 Shoreline Parkway, 2nd Floor				
CITY San Rafael	STATE CA	ZIP CODE 94901	LENGTH OF PIPE, CONDUIT, OR CABLE N/A	
PHONE NUMBER 415-257-4640			SIZE AND TYPE N/A	
EMERGENCY CONTACT PERSON & PHONE NO Gene Fiedler (415) 257-4640			LENGTH AND WIDTH OF EXCAVATION 105 ft X 350 ft	TYPE OF SURFACE Open Ground
COMMENTS				

I, Lance Bushnell of Company Performance Excavators hereby make application for permit to construct/excavate/encroach in the Public Highway at the locations described above, subject to the provisions required by the Municipal Code of the City of Cudahy, AND THE SPECIFIED REQUIREMENTS OF THE CITY'S PERMIT HEREON SPECIFIED AND ATTACHED.

In consideration of the granting of this permit, it is agreed by the applicant that the City of Cudahy, and any of their officers or employees thereof shall be held harmless by the applicant from any liability or responsibility for any accident, loss, or damage to persons or property, happening or occurring as the proximate result of any of the work undertaken under the terms of this application and the permit or permits which may be granted in response thereto, and that all of said liabilities are hereby assumed by the applicant. It is further agreed that if any part of this installation interferes with the future use of the highway by the general public, it must be removed or relocated, as designated by the City Engineer at the expense of the Permittee or his successor in interest.

PRINT NAME _____ SIGNATURE _____ DATE _____

THIS PERMIT EXPIRES SIX (6) MONTHS AFTER THE DATE OF ISSUANCE

DO NOT WRITE IN SHADED AREAS				PREPAID		ACTUAL	
ESTIMATED START DATE	ESTIMATED COMPLETION DATE						
BOND REQUIRED		BOND AMOUNT		ISSUANCE FEE	\$	\$	\$
<input type="checkbox"/> YES <input type="checkbox"/> NO		\$		PLAN CHECK FEE	\$	\$	\$
PLAN CHECK NUMBER	INITIALS	DATE SUBMITTED		INSPECTION	\$	\$	\$
PERMIT NUMBER	INITIALS	DATE ISSUED		SURCHARGE	\$	\$	\$
DATE WORK COMPLETED		TOTAL INSPECTION HOURS		TOTAL FEE	\$	\$	\$

HAZARD APPRAISAL AND RECOGNITION PLAN PRE-SITE VISIT FORM

SECTION A. FIELD TEAM

Prepared By: CHANA SULTANA
 Date: 8-30-04
 Phone: (818) 551-2962

Name	Unit/Agency	Responsibility	Lead Field Staff
1. CHANA SULTANA	CA	IM	
2. RAJIB BARRAMU	CA	IM	
3. RITA RAMAT	CA	IM	
4.			
5.			
6.			

SECTION B. SITE DESCRIPTION

Site Name: Chemical Waste Transfer Site (Barram)
 PCA No: 12002 Project # 200109 WP 17
 Address: 2424 S 5th St, Los Angeles, CA
 City: Los Angeles State: CA Zip: 90007
 Site Phone No.: (676) 755-1757
 NOTE: Attach Map of site and directions to Hospital
 Contact Person: _____
 Type of Operation Waste Stream (Describe): _____

Purpose of Visit (Describe): To oversee field sample

Site Visit Date(s): 8-30-04 & 9-11-04
 Estimated Time on Site: _____ Hours/Day _____ Days
 Nearest Hospital and Address: Walter Hospital of Huntington Park
 Phone No.: (818) 582-8261

SECTION C. NUMBER OF SAMPLES TO BE COLLECTED

Medium	Surface	Other
Air	_____	_____
Drum(s)	_____	_____
Ground Water	_____	_____
Soil/Sediment	_____	_____
Sludge/Slop	_____	_____
Other	_____	_____

SECTION D. POTENTIAL HAZARDS

1. Chemical Hazards	2. Physical Hazards
<input type="checkbox"/> Carcinogens	<input type="checkbox"/> Confined Space
<input type="checkbox"/> Corrosives	<input type="checkbox"/> (source)
<input type="checkbox"/> Developmental Health	<input checked="" type="checkbox"/> Heat or Cold Stress (expected)
<input type="checkbox"/> Hazards (Teratogen)	Temp _____ (F)
<input checked="" type="checkbox"/> Dusts	<input type="checkbox"/> Machinery / Construction
<input type="checkbox"/> Explosives	<input type="checkbox"/> Noise (Source/Decibels)
<input type="checkbox"/> Flammables	<input type="checkbox"/> Oxygen Deficiency
<input type="checkbox"/> Inorganic Vapors/Gases	<input type="checkbox"/> Radioactive Materials
<input checked="" type="checkbox"/> Metals	<input type="checkbox"/> Unknown/Other
<input type="checkbox"/> Oxidizers	3. <input type="checkbox"/> Biohazards
<input type="checkbox"/> PCB's	4. <input type="checkbox"/> Other (Specify)
<input type="checkbox"/> Pesticides	
<input type="checkbox"/> Reproductive Health Hazards	
<input type="checkbox"/> Skin Absorption	
<input type="checkbox"/> Solvents	

(Use This Space to describe hazards) sub gas sample

SECTION E. BASIC INFORMATION ON POTENTIAL HAZARDS

(Attach Copies of HARP Chemical Data Sheets or other appropriate information as suggested in instructions)

SECTION F. EXPOSURE CONTROL METHODS

Engineering Administrative Work Practices

Describe: Removal of heat stress in site
request break thinking of hot
go to site early morning

SECTION G. REQUIRED PERSONAL PROTECTIVE EQUIPMENT

Level of Protection: B C D
 Glove(s) Outer = O Inner = I
 Suit: Cloth/Coveralls
 Tyvek P.E. Tyvek
 Neoprene Saranex
 Nitrile Tychem
 PVC/Monkey Grip Barcade/Chemtuff
 Grip Glove / Kevlar Other _____
 Viton

Respirator: A/P Cartridge 2-100
 SCBA Escape (ELSA - 5 min.)

Other Safety Gear:

Binoculars Hearing Protection _____ Plugs/Muff
 Boot Covers Stitch boots Safety Vest
 Boots Two-Way Communication Kit
 Eye Protection Other _____
 Hard Hats

SECTION H. SURVEY EQUIPMENT

Combustible Gas/Oxygen Meter Probe: _____
 Photoionization Detector TVA 1000
 Organic Vapor Analyzer (OVA)
 Dräger Tubes / CMS (Specify) _____
 pH Meter/Paper WBG Meter Noise Dosimeter
 Pac III Proposed work _____
 Sound Level Meter rest _____
 Radiation Dosimeter Radiation Meter (Ludlum 19)
 Aerosol/Particle Monitor 4 levels 10ch 0.05
 Other (Specify) _____

SECTION I. OTHER HYGIENE AND SAFETY EQUIPMENT

Available
 On Site Bring Canopy/Tarp/Umbrella
 Drinking Water Shower/Eye Wash
 Fire Extinguisher
 First Aid Kit
 Plastic Sheeting/Bucket/Bags
 Portable Toilets
 Washing Facilities

SECTION J. PERSONAL MONITORING

Heart Rate Core Temperature
 Do you need Industrial Hygiene Monitoring? Yes No
 If yes, What Type? Noise Air Other (Specify) _____

SECTION K. REVIEW / APPROVAL

Health and Safety Unit (Review) _____ Date: 8/30/04
 Supervisor (Approval) _____ Date: 8/30/04

HAZARD APPRAISAL AND RECOGNITION PLAN DAILY SITE VISIT DOCUMENT

SECTION A. PREPARED BY (Site safety Officer) Bruce Goffredo Describe Work Performed: Observation soil gas sampling
 Date: 8/20/04 Phone: 201-251-2185
 Site Name: Debris Project
 Site Visit Date: 8-20-2004 Time on Site (hours): 1

SECTION B. DTSC PERSONNEL

	Protection Level	Duration PPE Worn (hours)	Activity Performed:
1. Bruce Goffredo	<input type="checkbox"/>	1	OBSERVED SOIL GAS SAMPLING
2. Cheryl Sullivan	<input type="checkbox"/>	1	
3.			
4.			
5.			
6.			

SECTION C. DESCRIBE TYPE OF PERSONAL PROTECTIVE EQUIPMENT WORN (Personnel identified by number used above)

	Respirator (cartridge)	Gloves	Respirator (cartridge)	Other
1. Clothing <u>BOOTS HARD HAT</u>				
2. Clothing <u>GLASSES</u>				
3. Clothing				
4. Clothing				
5. Clothing				
6. Clothing				

SECTION D. DID RESPIRATOR BREAKTHROUGH OCCUR? Yes No Explain _____
WERE THERE ANY PROBLEMS? Yes No Explain _____

SECTION E. SURVEY EQUIPMENT USED AND READINGS OBTAINED

Instrument	Location	Time	Reading	Description/Background
1. ID No. _____ Calib. Date _____				
2. ID No. _____ Calib. Date _____				
3. ID No. _____ Calib. Date _____				

SECTION F. WAS PERSONAL MONITORING CONDUCTED? Yes No Type _____

SECTION G. SAMPLES COLLECTED:
NO

SECTION H. INDICATE METHOD(S) OF DECONTAMINATION OF PPE/MONITORING EQUIPMENT/VEHICLES
 Describe: _____

SECTION I. EXPOSURE SYMPTOMS? Yes No If yes, check items below, identify personnel number used above

Hoarse Throat Irritation Eye Irritation Other
 Headache Physical Injuries
 Head Dizziness Nausea
 Skin Irritation

Explanation (Identify personnel by number used above)

Person	Effects Reported to Supervisor		Effects Reported to Industrial Hygienist		Medical Treatment Given (Explain)		Explanation
	Yes	No	Yes	No	Yes	No	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

(Original - Exposure Records, Copies - Site File, Department, Supervisor)

HAZARD APPRAISAL AND RECOGNITION PLAN DAILY SITE VISIT DOCUMENT

SECTION A. PREPARED BY (Site safety Officer):

Bruce Garbaccio
Phone: (818) 551-2180

Describe Work Performed: Observed soil sampling

Date: 8/9/2004

Site Name: Gonzales Property

Time on Site (hours):

2

Site Visit Date: 8-31-2004

Protection Level: D

Duration PPE Worn (hours): 2

Activity Performed:

OBSERVED SOIL SAMPLING

SECTION B. DTSC PERSONNEL

	Protection Level	Duration PPE Worn (hours)	Activity Performed:
1. Bruce Garbaccio	D	2	OBSERVED SOIL SAMPLING
2.			
3.			
4.			
5.			
6.			

SECTION C. DESCRIBE TYPE OF PERSONAL PROTECTIVE EQUIPMENT WORN (Personnel identified by number used above)

1. Clothing	ROOTS HARD HAT	Gloves	Respirator (cartridge)	Other
2. Clothing	GLASSES	Gloves	Respirator (cartridge)	Other
3. Clothing		Gloves	Respirator (cartridge)	Other
4. Clothing		Gloves	Respirator (cartridge)	Other
5. Clothing		Gloves	Respirator (cartridge)	Other
6. Clothing		Gloves	Respirator (cartridge)	Other

SECTION D. DID RESPIRATOR BREAKTHROUGH OCCUR? Yes No Explain: _____
WERE THERE ANY PROBLEMS? Yes No Explain: _____

SECTION E. SURVEY EQUIPMENT USED AND READINGS OBTAINED

Instrument	Location	Time	Reading	Description/Background
1. DATA RAM	ADJACENT TO DRILL RIG	1:30	0.056	BACKGROUND
ID No.:				
Calib. Date:				
2.		1:45	0.258	TRUCK DRIVES ONTO SITE
ID No.:				
Calib. Date:				
3.		2:00	0.275	CUTTING CORNER
ID No.:				
Calib. Date:				
4.		2:15	0.043	DRILLING
ID No.:				
Calib. Date:				
5.		2:30	0.037	TWA = 0.065
ID No.:				
Calib. Date:				

SECTION F. WAS PERSONAL MONITORING CONDUCTED? Yes No Type: _____

SECTION G. SAMPLES COLLECTED:

NO

SECTION H. INDICATE METHOD(S) OF DECONTAMINATION OF PPE/MONITORING EQUIPMENT/VEHICLES

Describe:

SECTION I. EXPOSURE SYMPTOMS?

- Nose/Throat Irritation
 Headache
 Heat Stress

- Yes No If yes, check items below, identify personnel number used above.
 Faint/Dizzy
 Chills
 Skin Irritation

- Eye Irritation Other
 Physical Injuries
 Nausea

Explanation (Identify personnel by number used above):

Person	Effects Reported to Supervisor		Effects Reported to Industrial Hygienist		Medical Treatment Given (Explain)		Explanation
	Yes	No	Yes	No	Yes	No	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

(Original - Exposure Records, Copies - Site File, Department, Supervisor)

hydrologue, Inc.

Consulting Engineers & Geologists

Remediation Engineering

Hazardous Substances

Geology and Hydrogeology

<http://www.hydrologue.com>

Geotechnical Engineering

December 14, 2004

Ms. Chand Sultana, Ph.D.
Project Manager
California Environmental Protection Agency
Department of Toxic Substances Control
Southern California Clean Up Operations Branch
Glendale Office
1011 N. Grandview Avenue
Glendale, CA 91201

**SUBJECT: RESPONSE TO DTSC COMMENTS TO DRAFT PRELIMINARY
ENDANGERMENT ASSESSMENT REPORT FOR THE
GONZALES PROPERTY, 5256 & 5260 ELIZABETH STREET
CUDAHY, CALIFORNIA**

Dear Dr. Sultana:

On December 7, 2004, Ms. Rita Kamat, Unit Chief, Southern California Clean up Operations Branch of the Department of Toxic Substances Control (DTSC), issued a review letter to the Draft Preliminary Endangerment Assessment Report, Gonzales Property located at 5256 and 5260 Elizabeth Street, Cudahy, California, (Site) submitted by Hydrologue, Inc. (HI) dated October 11, 2004. Review comments have been provided to Ms. Chand Sultana, DTSC Project Manager, Site Mitigation Program, in the memorandums by Mr. Bruce Garbaccio, R.G. of Geological Service Unit (GSU), Glendale, and from Gerald F. Chernoff, Ph.D., Staff Toxicologist from Human and Ecological Risk Division (HERD).

Below we have responded to each specific comment and/or recommendation. The provisions discussed here will be included in the Final Preliminary Endangerment Assessment (PEA) Report for the above-mentioned site. The remaining information in the previously submitted PEA report is final unless modified here. Our responses are organized in two sections below.

- A) Comments from Bruce Garbaccio, Engineering Geologist, Geological Service Unit (GSU)
- B) Comments from Gerald F. Chernoff, Ph.D. Staff Toxicologist, from Human and Ecological Risk Division (HERD)

2793 East Fort Hill Boulevard • Pasadena, CA 91107 • Tel. (626) 585-9696 • Fax (626) 585-0046

A) **Comments by Mr. Bruce Garbarino, Engineering Geologist, Geological Service Unit (GSU)**

GENERAL COMMENT

HEAD COMMENT No. 1

The subject site is underlain by fill soil apparently emplaced at the same time as that on the adjacent Park Avenue School. Based on boring logs, the depth of fill ranges from approximately 5 to 10 feet. Based on data from the Park Avenue School, the fill is not as thick as the Gonzalez property.

The fill soil contains elevated concentrations of antimony (up to 420 mg/kg), arsenic (up to 149 mg/kg), barium (up to 2,750 mg/kg), cadmium (up to 37 mg/kg), copper (up to 1,300 mg/kg), lead (up to 8,500 mg/kg), and zinc (up to 16,000 mg/kg). Concentrations of antimony, arsenic, cadmium, and lead are above EPA PRGs and DTSC cleanup guidelines for soil. Lead is the most widespread contaminant on the property. It appears that elevated concentrations of metals are all within fill soils and not within the underlying native soil. Soil at the surface to 1-foot is impacted only on the northern half of the property. Soil at 5-feet is impacted across the entire property.

Petroleum hydrocarbons (C-22 to C-36, oil range) were detected at concentrations as high as 1,920 mg/kg. The highest TPH concentrations were present in the southern half of the site.

Elevated concentrations of polycyclic aromatic hydrocarbons (PAHs) were detected only in boring HB-12.

RESPONSE:

No comment, as stated.

SPECIFIC COMMENTS

HEAD SPECIFIC COMMENT No. 1

Section 5.7 Soil Description

This section states that soils were observed during sampling and their description was recorded on boring logs which are included in Appendix A. A brief summary of soil conditions such as soil type, depth of fill, etc. should be included in this section.

RESPONSE:

Comply. A brief summary of soil conditions (i.e., soil type, depth of fill, etc.) has been included in Section 5.7 as follows: "Soils encountered beneath the site consist mostly of brown silts, silty sands, and poorly-sorted fine-grained sands. Fill material consisting of silts, silty sands, sands, glass and debris is found from ground surface to depths between 6 and 8 feet bgs. Ground water was encountered in borings at depths between 11 and 13 feet bgs."

HERD SPECIFIC COMMENT No. 2

Additional sampling

Based on sampling conducted to date, it is difficult to determine the upper limit of impacted fill soil. Only 3 samples from the 2.5-foot depth were analyzed from the southern 2/3 of the site. GSU staff recommends analyzing the 2.5 foot depth samples from the following borings: HB-4, -5, -9, and -11 in order to provide additional data. Each sample should be analyzed for CAM 17 metals.

HI RESPONSE:

Comply. Hydrologist has submitted a change order (change order # 2) to the DTSC for the above mentioned additional sampling (i.e., Analysis of the 2.5 foot depth samples from borings HB-4, -5, -9, and -11 for CAM 17 metals) and is awaiting approval. It should be noted that our first change order dated August 23, 2004 submitted prior to the PEA investigation was verbally approved; however, to date we have not received a written approval for the change order.

HERD SPECIFIC COMMENT No. 3

Appendix A Boring Logs

The logs for borings HB-10 and HB-11 are virtually the same. Sample descriptions from 9 to 15 feet are the same. Sample collection depths and PID readings are exactly the same. The original logs should be reviewed to confirm or correct this issue.

HI RESPONSE:

Comply. Boring logs HB-10 and HB-11 have been reviewed and the necessary corrections have been made. We apologize for any inconvenience.

HERD SPECIFIC COMMENT No. 4

Figure 9 Cross Sections E-E' and F-F'

GSU staff disagrees with the depth of groundwater indicated on the figure. Based on the information included on the boring logs, depth to groundwater is approximately 12 to 14 feet below ground surface, and always within the native soil. Cross section E-E' suggests that groundwater was encountered within fill soils in borings HB-1, -7, -8, -9, -10, and -11. This discrepancy should be corrected.

Information from the Park Avenue School indicates that fill soils were removed to a depth of approximately 12 to 18 feet adjacent to the Gonzalez property. Cross section F-F' suggests that fill soil is only approximately 8 feet thick in this area. This discrepancy should be verified and corrected if necessary.

HI RESPONSE:

Comply. The groundwater depths in Cross-Section E-E' has been corrected. Fill depths for the Park Avenue Elementary School borings SB-13 and SB-31 have been verified with the initial boring logs provided by HI Corporation. The thickness of fill was approximately 8 feet in the area represented in Cross-Section F-F'; however, it is believed that soils in this area were over-excavated to depths between 12 and 18 feet. Because of its proximity, boring HB-9 has replaced the project's HB-8 on Cross-Section F-F'.

hydrologist, inc.

B) Comments by Mr. Gerald Chernoff, Ph.D, Staff Toxicologist, HERD

Documents Reviewed

"The Draft Preliminary Endangerment Assessment Report, Site: Gonzales Property, 5256 & 5260 Elizabeth Street, Cudahy, California 90201", prepared for the Department of Toxic Substances Control by Hydrologue, Inc., dated October 11, 2004 (received at HERD on October 14, 2004).

Scope of Review

The document was reviewed for scientific content. Minor grammatical or typographical errors that do not affect the interpretation have not been noted. If inadequacies in the documents were encountered for the purposes of risk assessment, they are noted in the comments below. Any future changes or additions to the documents should be clearly identified.

GENERAL COMMENT

HERD COMMENT

HERD agrees that the data presented in this document supports the conclusion that further action is required for the elevated levels of arsenic and lead found throughout the site, and that step out samples are needed around surface sampling location HB-12 to characterize the amount and extent of PAH contamination in this area. Unfortunately, excluding arsenic and PAHs from the risk and hazard calculations was not appropriate, and must be corrected before the document can be considered acceptable for risk assessment purposes. Details are provided in the Specific Comment below.

III RESPONSE

No comments

SPECIFIC COMMENTS

HERD COMMENT No. 1

Arsenic and carcinogenic PAHs as benzo(a)pyrene toxicity equivalents (BaP-TE) were not evaluated in the risk assessment, but rather, were discussed in terms of their exceedance of the background concentration. HERD does not understand the rationale for this since it grossly underestimates the total risk at the site. For example, using the maximum detected concentration of arsenic (149 mg/kg) as the exposure point concentration in the DTSC PEA screening equations, HERD calculated a risk of 3×10^{-4} and a hazard of 8.3. This is a very different from the 7.5×10^{-7} cumulative risk discussed in the document, which did not include arsenic. Similarly, the hazard went from 17 without arsenic to 25.3 when arsenic was included. HERD recommends that the PEA be revised, or at a minimum, an addendum be added, that includes the risk and hazard calculations for arsenic and BaP-TE, as well as the total cumulative risk and hazard from all the COPC identified at the site. The conclusion of the text regarding cumulative risk and hazard must also be revised to be in agreement with the new calculations.

hydrologue, inc.

December 14, 2004

HI RESPONSE

The lead was risk driver, as instructed an addendum to the PEA will be prepared including arsenic and PAHs as benzo(a)pyrene toxicity equivalents (BaP-TE), as well as the total cumulative risk and hazard from all the COPC identified at the site. The conclusion of the text regarding cumulative risk and hazard will also be revised to be in agreement with the new calculations. We recommend the step out samples around surface sampling location HB-12 for characterization of the amount and extent of PAH contamination be performed during a Supplemental Site Investigation in conformance with DTSC guidelines. A removal action will be necessary to mitigate Site hazards.

RECOMMENDATIONS AND CONCLUSION

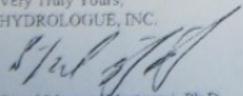
As detailed above, HERD agrees with the conclusion of the report, but cannot accept it for risk assessment purposes until arsenic and BaP-TE have been included in the risk and hazard calculations. While HERD would prefer to see this presented in a revised PEA Report, an addendum to the report would also be acceptable. These comments are meant to be constructive and we hope they are useful. If you have additional questions please feel free to contact me at 916-255-6687 or e-mail gchernoff@dtsc.ca.gov.

HI RESPONSE

Please refer to our comment in the above

If there are any questions regarding this document, please do not hesitate to call me.

Very Truly Yours,
HYDROLOGUE, INC.


Seyed Morteza Mortazavi, Ph.D.
R.C.E No. 4-1091
R.E.A No. 23118

DEC 14 2004
9:30 AM



Enclosures: Revised Boring logs
Revised Cross Sections
IT boring logs from Park Avenue

cc: Chris d'Sa, Hydrologue, Inc.
Jimmey Avancena, Hydrologue, Inc.

\\siron\projects\03\PORTS\PEA\Cudahy-DTSC\FINAL_PEA_report_components\HI_response_to_DTSC_PEA_report_comments.doc

hydrologue, inc.

Project: Cudahy-DTSC	Location: 6266 & 6260 Elizabeth St, Cudahy, CA	Project #: 2848-01
Logged By: JA	Start/Finish Date: 9/1/04	Boring I.D.: HB-11
1st Water Table (bgs): NA	Sampling Method (bgs): Continuous Core Sampling	PID: Mini-Ras
Last Water Table (bgs): NA	Wt. of Hammer (lb): Not Applicable	Elevation: GS
Rig Type: Stratoprobe	Hole Diameter: 2"	Weather:
	Drilling Contractor: HP Laboratory Stratoprobe	

Depth (ft)	Time	PID (feet)	Lithology	USCS	Lithologic Description (Soil classification, Color, Grain Size, Moisture, Consistency, Other)
0					
1	1000	3.5			FILL: 0-2' Silty sand, light brown, dry, loose. 2-4' Silty sand, brown, moist, loose, glass fragments. 4-9' Silty sand, brown to black, moist, compact, glass debris. Natural Ground: 9-12' Sand, brown, fine, moist, dense. 12-15' Silty sand, brown, wet to saturated, dense.
2	1005				
3					
4					
5	1015	9.8		SM	
6					
7					
8					
9					
10	1020	12.6		SP	
11					
12					
13					
14					
15	1025	5.3		SM	
16					TD Drilled = 16 feet bgs; TD Sampled = 15 feet bgs. Groundwater encountered at approximately 13 feet bgs. No casing. Boring backfilled with bentonite chips to surface grade.
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					

Project: Cudahy-DTSC

Location: 5256 & 5260 Elizabeth St, Cudahy, CA

Project #: 2848-01

Logged By: JA

Start/Finish Date: 9/1/04

Boring I.D.: HB-10

1st Water Table (bgs): NA

Sampling Method (bgs): Continuous Core Sampling

PID: Mini-Rae

Last Water Table (bgs): NA

Wt. of Hammer (lb): Not Applicable

Hole Diameter: 2"

Elevation: GS

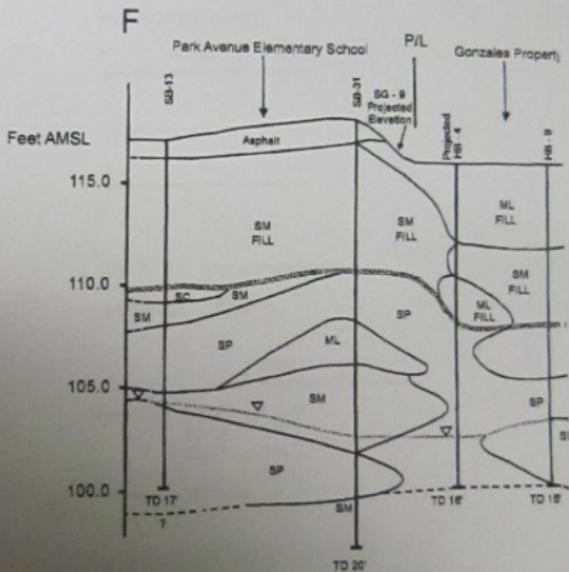
Rig Type: Stratoprobe

Drilling Contractor: HP Laboratory Stratoprobe

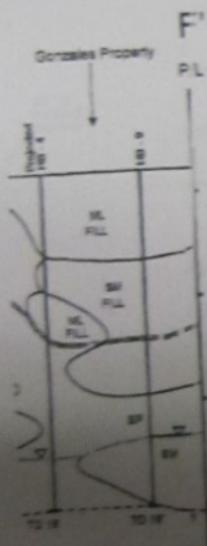
Weather:

Depth (ft.)	Sample Interval	Time	PID (ppm)	Lithology	USCS	Lithologic Description [Soil Classification, Color, Grain Size, Moisture, Consistency, Other]
0						FILL:
1	0-1	925	6.3			0-4' Silty sand, light brown, dry, loose, scattered glass debris.
2	1-2	930	32.6			4-9' Silty sand, dark brown to reddish brown, black debris with glass.
5	3-5	935	48.2		SM	Natural Ground:
10	8-10	940	10.5		SP	9-12' Sand, brown, fine, moist, dense.
15	12-15	945	7.7		SM	12-13' Silty sand, brown, very moist to wet, dense.
						13-15' Silty sand, brown, saturated, dense.
20						TD Drilled = 16 feet bgs; TD Sampled = 15 feet bgs. Groundwater encountered at approximately 13 feet bgs. No caving. Boring backfilled with bentonite chips to surface grade.
25						
30						
35						
40						

LOOKING SOUTH



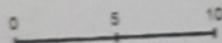
DUTH



HORIZONTAL SCALE



VERTICAL SCALE



HB - 9 Hydrologer Boring

SG/SB - 31 IT Boring

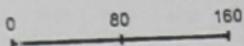
Ground Surface
Elevation (Feet AMSL)

(Projected) SG-9 118.5'
SB-13 117.1'
SB-31 118.0'

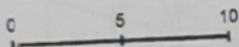
 Fill Line

CLIENT	
LOCATION	5256 & 5280 Elizabeth St Cudahy, CA 90201
TITLE	Cross-Section F - F
PROJECT	2846-00
Hydrologer, Inc. <small>California License 0176468</small>	

HORIZONTAL SCALE



VERTICAL SCALE



SG - 10
Projected
Elevation

HB - 12 Hydrologer Boring

IB - 10 IT Boring



Gonzales Residence
5256 Elizabeth Street

Ground Surface
Elevation (Feet AMSL)

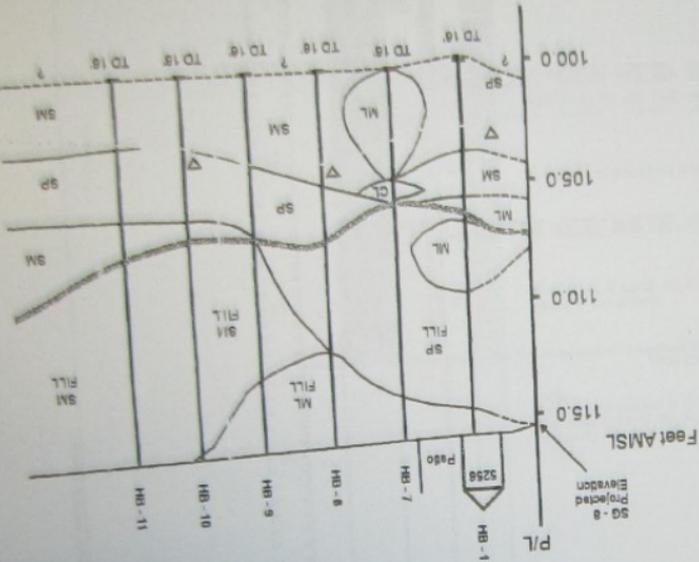
(Projected) SG-8 115.5'
SG-10 116.5'

 Fill Line

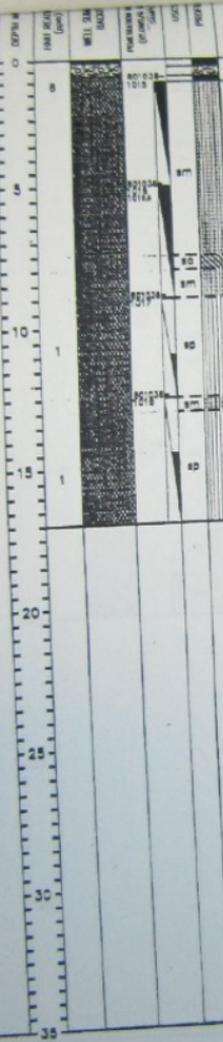
CLIENT	
LOCATION 5256 & 5260 Elizabeth Street Cudahy, CA 90201	
TITLE Cross-Section E - E'	FIGURE NUMBER 9
PROJECT 2849-00	
hydrologue, Inc. Consulting Engineers & Geologists	

LOOKING EAST

E



COMPANY, INC.
 Order Blank
 Project
 Method Direct Push
 Int. H₂O Level NA
 Static H₂O Level NA
 Total Hole Depth 17
 Borehole Dia. 3"
 Fill Material Benotite



FIELD GEOLOGIST T. WELLS DATE BEGAN 7-13-00
 EDITED BY T. WELLS DATE FINISHED 7-13-00
 CHECKED BY P. DRUMMOND GROUND SURFACE E.L. 117.1'
 R.O. NO. 4812 DESCRIPTION

4-INCH ASPHALT, 3 inches base, lat material, 80 mil HDTP liner, lat, 2 to 3 inches ASPHALT.
 Silty SAND; reddish brown, poorly graded fine grained sand, dry to moist, micaceous, approximately 1.5' of block soil with lots of glass.

At 7.5' SILTY SAND, HIGH VISCIDITY, NO GLASS
 From 8'-9', fine silty SAND, poorly graded, dry.

FINE SAND; grayish brown, moist, mica.

At 12.5' SILTY SAND, HIGH INCREASING MOISTURE

Glass at top 2 inches, fine SAND, moist to wet, medium to coarse grained in last 8 inches.

TOTAL DEPTH = 17 FEET

NOTE:
 Samples were collected in 1-inch diameter oostole tubes by direct push method. Boring was advanced through the HDTP liner, which was repaired by FUL Linings, Inc. upon completion.

13-27-00 8:37 COMPANY AUTHORITY/ACCESS/PERMITS AVE/08-13-00

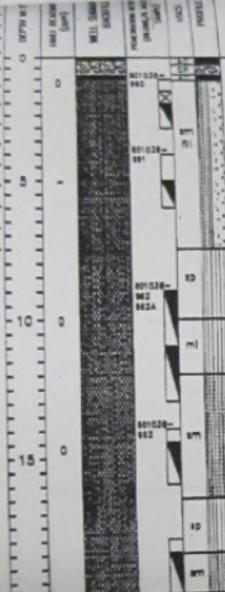
PROJECT NO. 001038
 CLIENT: LAUSD
 SEE LEGEND FOR LOGS AND TEST PITS
 DEC-14-2004 11:01



COORDINATES 494945

FIELD GEOLOGIST S. Fack DATE BEGAN 7-18-50
 EDITED BY P. Zimmerman DATE FINISHED 7-18-50
 CHECKED BY P. Zimmerman GROUND SURFACE E. 118.7
 R.C. NO. 481 DESCRIPTION

Well Name 481
 Well No. 16
 State Ill.
 Total Hole Depth 20
 Bottom Hole 20
 Pore Pressure None
 Screen Dia. —
 Depth Interval —
 Casing Dia. —
 Depth Interval —



ASPHALT at grade 4" thick with polyurethane grain coat.
 From 4"-8", road base, 2 layers of gray fill sandwiching 80 ml
 HDPE liner, 3" ASPHALT under second felt layer.

Silly SAND with debris: light brown, 40% fine sand, 30% silt, 30%
 debris (brick, glass, fragments, gravel).

Silly SAND; brick red to red-brown/brown, 80% fine sand, 20% silt,
 20% glass/brick fragments, moist, no odor.

Poorly graded SAND; light gray, 80% fine sand, 15% medium sand, 5%
 silt, slightly moist, no odor.

Sandy SILT; gray-brown, 80% silt, 25% fine micaceous sand, 15% clay,
 moist, no odor.

Silly SAND; gray-brown, 70% fine micaceous sand, 30% silt, very
 moist to wet.

Silly SAND; some percentage as above, water saturated at 16', no
 odor.
 Groundwater encountered at approximately 16 feet.

Poorly graded SAND; light gray/gray, 80% fine sand, 5% silt, wet to
 water saturated, no odor.

Silly SAND; dark gray-brown, 80% fine micaceous sand, 30% silt, 10%
 clay, wet, no odor.

TOTAL DEPTH = 20 FEET

NOTE:
 Samples were collected in 1-inch diameter brass tubes by direct push
 method. No blow counts were recorded. Spring SB-16 was advanced
 through the HDPE liner.

800-34-03-1-101 (copy) 800-34-03-1-101 (copy) 800-34-03-1-101 (copy) 800-34-03-1-101 (copy)

PROJECT NO. 801038
 CLIENT LAUSD
 DATE 7-18-50



Well Name _____
 Date Completed _____
 Site - _____
 Well Construction - _____
 Method - _____
 Well No. _____
 State No. _____
 Total Hole Depth _____
 Screen Dia. _____
 PG Material _____
 Screen Dia. _____
 Depth Interval _____
 Casing Dia. _____
 Depth Interval _____

COORDINATES

FIELD GEOLOGIST D. Fowl DATE BEGAN 7-18-50
 EDITED BY D. Fowl DATE FINISHED 7-18-50
 CHECKED BY D. Fowl GROUND SURFACE E. 118.7
 R.G. NO. 842 DESCRIPTION

0
 0.5
 1
 1.5
 2
 2.5
 3
 3.5
 4
 4.5
 5
 5.5
 6
 6.5
 7
 7.5
 8
 8.5
 9
 9.5
 10
 10.5
 11
 11.5
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 34.5
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801038
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ASPHAL of gross 4.8' thick with playground gravel base.
 From 4.8'-8.5', road base: 2 layers of green felt sandwiching 80 ml
 HOPE liner 3" ASPHAL' under second felt layer.

 Poorly graded SAND with silt; gray, 60% fine sand, 10% silt, dense,
 slightly moist, no to faint odor.

 No recovery except for 4' of glass fragments, (black silt with glass),
 strong organic odor. (GP fill).

 Sandy SILT; dark gray, 60% silt, 30% fine sand, 10% clay, slightly
 plastic, moist, moderate odor.

 Poorly graded SAND; light gray, 85% fine sand, 5% silt.

 Coarse SILT; brown, 50% silt, 40% clay, 10% fine sand, very moist, no
 odor.

 Glossy SAND at 11.8' (GP fill).

 Silty SAND; gray-brown, 85% fine micaceous sand, 20% silt, trace
 clay wet to water saturated.
 Groundwater encountered at approximately 15.5 feet.
 Silty SAND at 16', same as above.

 TOTAL DEPTH = 18 FEET

NOTE:
 Samples were collected in 1-inch diameter brass tubes by direct push
 method. No blow counts were recorded. During SB-18 was advanced
 through the HDPF liner.

3 - see 33-34 & 35 for country maps, well locations, etc. AEC 10832-100

PROJECT NO. 801038
 CLIENT LAUSD
 507-14-0884 11100





Terry Tamminen
Agency Secretary
CalEPA



Department of Toxic Substances Control

1011 North Grandview Avenue
Glendale, California 91201



Arnold Schwarzenegger
Governor

MEMORANDUM

TO: Ms. Chand Sultana, Ph.D.
Project Manager
Site Mitigation and Brownfields Reuse Program

FROM: Bruce Garbaccio, R.G.
Engineering Geologist
Geological Services Unit, Glendale

CONCUR: John Naginis, R.G.
Senior Engineering Geologist
Geological Services Unit, Glendale

DATE: November 23, 2004

SUBJECT: Preliminary Endangerment Assessment Report, Gonzalez Property, 5256
and 5260 Elizabeth Street, Cudahy, California, prepared by Hydrologue,
Inc. October 11, 2004.

PCA 11020 Site Code 301169-00

As requested, Geological Services Unit (GSU) staff have reviewed the above
referenced document.

Any questions regarding this memorandum should be directed to Bruce Garbaccio at (818) 551-2180.

Ms. Chand Sultana
November 23, 2004
Page Two

GENERAL COMMENTS

The subject site is underlain by fill soil apparently emplaced at the same time as that on the adjacent Park Avenue School. Based on boring logs, the depth of fill ranges from approximately 5 to 10 feet. Based on data from the Park Avenue School, the fill is not as thick on the Gonzalez property.

The fill soil contains elevated concentrations of antimony (up to 420 mg/kg), arsenic (up to 149 mg/kg), barium (up to 2,750 mg/kg), cadmium (up to 37 mg/kg), copper (up to 1,300 mg/kg), lead (up to 8,500 mg/kg), and zinc (up to 16,000 mg/kg). Concentrations of antimony, arsenic, cadmium, and lead are above EPA PRGs and DTSC cleanup guidelines for soil. Lead is the most widespread contaminant on the property. It appears that elevated concentrations of metals are all within fill soils and not within the underlying native soil. Soil at the surface to 1-foot is impacted only on the northern half of the property. Soil at 5-feet is impacted across the entire property.

Petroleum hydrocarbons (C-22 to C-36, oil range) were detected at concentrations as high as 1,920 mg/kg. The highest TPH concentrations were present in the southern half of the site.

Elevated concentrations of polyaromatic hydrocarbons (PAHs) were detected only in boring HB-12.

SPECIFIC COMMENTS

Section 6.7 Soil Description

This section states that soils were observed during sampling and their description was recorded on boring logs which are included in Appendix A. A brief summary of soil conditions such as soil type, depth of fill, etc. should be included in this section.

Additional sampling

Based on sampling conducted to date, it is difficult to determine the upper limit of impacted fill soil. Only 3 samples from the 2.5-foot depth were analyzed from the southern 2/3 of the site. GSU staff recommend analyzing the 2.5 foot depth samples from the following borings: HB-4, -5, -8, and -11 in order to provide additional data.

Each sample should be analyzed for CAM 17 metals.

Appendix A Boring Logs

The logs for borings HB-10 and HB-11 are virtually the same. Sample descriptions from 9 to 15 feet are the same. Sample collection depths and PID readings are exactly the same. The original logs should be reviewed to confirm or correct this issue.

Ms. Chand Sultana
November 23, 2004
Page Three

Figure 9 Cross Sections E-E' and F-F'

GSU staff disagree with the depth of groundwater indicated on the figure. Based on the information included on the boring logs, depth to groundwater is approximately 12 to 14 feet below ground surface, and always within the native soil. Cross section E-E' suggests that groundwater was encountered within fill soils in borings HB-1, -7, -8, -9, -10, and -11. This discrepancy should be corrected.

Information from the Park Avenue School indicates that fill soils were removed to a depth of approximately 12 to 18 feet adjacent to the Gonzalez property. Cross section F-F' suggests that fill soil is only approximately 8 feet thick in this area. This discrepancy should be verified and corrected if necessary.



Terry Tamminen
Agency Secretary
CalEPA

Department of Toxic Substances Control

1001 T Street, 25th Floor
P.O. Box 806
Sacramento, California 95812-0806



Arnold Schwarzenegger
Governor

MEMORANDUM

TO: Chand Sultana, Project Manager
Site Mitigation Program
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201

FROM: Gerald F. Chernoff, Ph.D. *G.F. Chernoff*
Staff Toxicologist
Human and Ecological Risk Division (HERD)

DATE: November 24, 2004

SUBJECT: Gonzales Property at 5256 and 5260 Elizabeth St., Cudahy
Preliminary Endangerment Assessment Report
PCA: 17020 Site: 301169-17

Background

Per your request, the Human and Ecological Risk Division (HERD) has reviewed the Draft Preliminary Endangerment Assessment (PEA) Report for the approximately 0.95 acre residential Gonzales property located at Elizabeth Avenue in Cudahy. HERD previously reviewed and approved the revised PEA Work Plan in a memorandum from Gerald Chernoff to Chand Sultana, dated August 31, 2004. Earlier limited sampling conducted at the site identified elevated levels of various contaminants including metals, volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). Of greatest concern were the metals arsenic and lead, both of which were found at concentrations that represent a potential health threat to residents of the site. To fully characterize the contamination on the site, a PEA was conducted focusing on metals, VOCs, SVOCs, polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). The report presenting the results of the PEA have been submitted to the Department of Toxic Substances Control (DTSC) and HERD has been asked to provide a review with comments. The purpose of this memorandum is to present HERD's review.

Documents Reviewed

"The Draft Preliminary Endangerment Assessment Report, Site: Gonzales Property,

page 2

5256 & 5260 Elizabeth Street, Cudahy, California 90201", prepared for the Department of Toxic Substances Control by Hydrologue, Inc., dated October 11, 2004 (received at HERD on October 14, 2004).

Scope of Review

The document was reviewed for scientific content. Minor grammatical or typographical errors that do not affect the interpretation have not been noted. If inadequacies in the documents were encountered for the purposes of risk assessment, they are noted in the comments below. Any future changes or additions to the documents should be clearly identified.

Comment

HERD agrees that the data presented in this document supports the conclusion that further action is required for the elevated levels of arsenic and lead found throughout the site, and that step out samples are needed around surface sampling location HB-12 to characterize the amount and extent of PAH contamination in this area. Unfortunately, excluding arsenic and PAH's from the risk and hazard calculations was not appropriate, and must be corrected before the document can be considered acceptable for risk assessment purposes. Details are provided in the Specific Comment below.

Specific Comment

Arsenic and carcinogenic PAHs as benzo[a]pyrene toxicity equivalents (BaP-TE) were not evaluated in the risk assessment, but rather, were discussed in terms of their exceedance of the background concentrations. HERD does not understand the rationale for this since it grossly underestimates the total risk at the site. For example, using the maximum detected concentration of arsenic (149 mg/kg) as the exposure point concentration in the DTSC PEA screening equations, HERD calculated a risk of $3.8E-04$ and a hazard of 8.3. This is a very different from the $7.5E-07$ cumulative risk discussed in the document, which did not include arsenic. Similarly, the hazard went from 17 without arsenic to 25.3 when arsenic was included. HERD recommends that the PEA be revised, or at a minimum, an addendum be added, that includes the risk and hazard calculations for arsenic and BaP-TE, as well as the total cumulative risk and hazard from all the COPC identified at the site. The conclusion of the text regarding cumulative risk and hazard must also be revised to be in agreement with the new calculations.

Recommendations, and Conclusion

As detailed above, HERD agrees with the conclusion of the report, but cannot accept it for risk assessment purposes until arsenic and BaP-TE have been included in the risk and hazard calculations. While HERD would prefer to see this presented in a revised PEA Report, an addendum to the report would also be acceptable. These comments are meant to be constructive and we hope they are useful. If you have additional questions please feel free to contact me at 916-255-6687 or e-mail gchemof@dtsc.ca.gov.

Reviewed by:

Gerald Pollock, Ph.D.
Senior Toxicologist, HERD

MSW for Tony Pollock

cc:

Rita Kamat
Site Mitigation Branch
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201



Linda S. Adams
Secretary for
Environmental Protection



Department of Toxic Substances Control

Maureen F. Gorsen, Director
1011 North Grandview Avenue
Glendale, California 91201



Arnold Schwarzenegger
Governor

March 28th, 2007

Ms. Mary Gonzales
36922 Atka Court
Palmdale, California-93552

CUDAHY RESIDENTIAL PROPERTY, LOS ANGELES COUNTY, CALIFORNIA

Dear Ms. Gonzales:

The removal action implementation for the Cudahy Residential Property Site (Site) has been completed. All accessible contaminated soil has been removed and a concrete pavement has been placed in the backyard area to prevent potential exposure to inaccessible lead impacted soil. The Removal Action Plan for the Site requires that a land use covenant for the property be signed by the property owner and be recorded with Los Angeles County Recorders Office.

Enclosed please find a draft copy of the deed restriction for the Site. Please review the draft document and respond with any comments by April 15, 2007.

Should you have any questions, please contact Ms. Chand Sultana, Ph.D, DTSC Project Manager, at (818) 551-2962 or me at (818) 551-2822.

Sincerely,

Sayarah Amir, Chief
Southern California Cleanup Operations Branch - Glendale Office

Enclosure

REAL PROPERTY TAX ASSESSOR RECORD

Tax Roll Certification Date 04-18-2004
 Owner Information Current Through 12-20-2004
 County Last Updated 01-05-2007
 Current Date 01/08/2007
 Source: TAX ASSESSOR
 LOS ANGELES, CALIFORNIA

OWNER INFORMATION

Owner(s): GONZALES MARY
 GONZALES TRUST
 Ownership Rights: TRUSTEE
 Property Address: 5260 ELIZABETH ST
 CUDAHY, CA 90201-5333
 Mailing Address: 36922 ATKA CT
 PALMDALE, CA 93552-5456

PROPERTY INFORMATION

County: LOS ANGELES
 Assessor's Parcel Number: 6224-001-015
 Property Type: SINGLE FAMILY RESIDENCE - TOWNHOUSE
 Land Use: SINGLE FAMILY RESIDENCE
 Zoning: CURE3*
 Homestead Exempt: HOMEOWNER EXEMPTION
 Lot Size (acres or square feet): 20670
 Lot Acreage: 0.4745
 Width Footage: 53
 Depth Footage: 390
 Legal Description: TRACT NO 180 E 52.5 FT OF LOT 421
 Tract/Subdivision Number: 180
 Lot Number: 421

TAX ASSESSMENT INFORMATION

Tax Year: 2005
 Land Value: \$48,735.00
 Improvement Value: \$55,230.00
 Total Value: \$103,965.00
 Valuation Method: ASSESSED
 Tax Amount: \$1,610.75
 Tax Code Area: 636

BUILDING/IMPROVEMENT CHARACTERISTICS

Number of Buildings: 1
 Year Built: 1959
 Living Square Feet: 936
 Total Number of Rooms: 4
 Number of Bedrooms: 2
 Number of Bathrooms: 1.00
 Full Baths: 1

* 2007 Thomson/West. No Claim to Orig. U.S. Govt. Works.

W.A. 2005 1/11/07

Garage Type:CARPORT
Parking Spaces:1
Number of Stories:100
Number of Units:1
Style/Shape:CON
Exterior Wall Type:STUCCO
Roof Type:HIP
Foundation Type:SLAB
Heat:001
Sewer:TYPE UNKNOWN

LAST SALE INFORMATION

Sale Price:\$18,000.00
Consideration:FULL
Deed Type:GRANT DEED
Type of Sale:RESALE
Recording Date:08/01/1979
Document Number:848399

Call Westlaw CourtExpress at 1-877-DOC-RETE (1-877-362-7387)
to order copies of documents related to this or other matters.
Additional charges apply.

END OF DOCUMENT

REMOVAL ACTION CERTIFICATION FORM

(Please type or print in blank ink)

1. **Certification of Remedial or Removal Action:**

I hereby certify that the following information is true and correct to the best of my knowledge.

- 1. Chand Sultana *Chand Sultana*
Regional Project Manager Date 7/18/07
- 2. Rita Kamat *R. Kamat*
Regional Unit Chief Date 7/24/07
- 3. Sayarah Amir *Sayarah Amir*
Regional Branch Chief Date 7-30-07

2. **Certification Statement:** Based upon the information which is currently and actually known to the Department,

The Department has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary.

The Department has determined, based upon a remedial investigation or site characterization that the site poses no significant threat to public health, welfare or the environment and therefore implementation of removal/remedial measures is not necessary.

The Department has determined that all appropriate removal/remedial actions have been completed and that all acceptable engineering practices were implemented; however, the site requires ongoing operation and maintenance (O&M) and monitoring efforts. The site will be deleted from the "active" site list following (1) a trial operation and maintenance period and (2) execution of a formal written settlement between Department and the responsible parties, if appropriate. However, the site will be placed on the Department's list of sites undergoing O&M to ensure proper monitoring of long-term cleanup efforts.

3. **Site Name and Location:** (Street address, County, City and zip code)

Cudahy Residential Property, 5256 and 5260 Elizabeth Street, Cudahy, CA 90201

A. List any other names that have been used to identify this site: Gonzales Property, Cudahy

B. Address of site if different from above: None

C. Assessor's Parcel Number:
6224-001-014 and 6224-001-015

NON 2 FILES IN...

Responsible Parties: (Use extra pages if necessary.)

Name: Mary Gonzales Name:
Title: Property owner Title:
Firm: _____ Firm:
Address: 36922 Atka Court Address:
City: Palmdale City:
Zip: CA-93552 Zip:
Telephone: (661) 533-2009 Telephone: ()

Relationship To Site: (such as generator, hauler, etc.)

Current Landowner/Operator: Property Owner

5. **Brief Description and History of the Site:** (Include previous and current uses of site, a brief description of the cleanup action and concentrations of significant hazardous substances left on site)

This Site has two housing units located in a mixed residential area of single family homes, multi-family residential units, and the Park Avenue Elementary School. Site history shows that a portion of the backyard of the property may have been used for landfill operations during the 1930s to 1960s. Sampling conducted by DTSC in April 2003 and Hydrologue in September 2004 had indicated that impacted soil was present in the backyard area. The contamination at the Cudahy Residential Site is an extension of the contamination identified at the Park Site. In 2002, DTSC conducted soil sampling to determine if the property has been impacted by hazardous substances released from past landfill operation. Results of DTSC's sampling showed that soil was contaminated with metals (lead, antimony and arsenic) and semi-volatile hydrocarbon compounds. Lead was detected ranging from 26 to 8,500 mg/kg. In 2003-2004, DTSC conducted site characterization activities to determine the vertical and lateral extent of contamination.

A Removal Action Workplan (RAW) was completed for the Cudahy Park Site. Removal Action Implementation was done in 2005, in accordance with the approved RAW for the Cudahy Park Site. The results of confirmation sampling indicate that the full depth of impacted soil has been removed up to ten feet bgs. A total of 10,407.43 tons of Non-RCRA Class I Hazardous material and 1,361.74 Tons of RCRA Class I Hazardous material was excavated off-hauled and disposed.

Removal of soil on the east side of the property was conducted as close to the fence as possible with some sloping necessary. Likewise, removal activities on the Park Avenue

School site to the east of the Gonzales property were conducted as close to the property line as practical with some sloping necessary. Therefore, a limited volume of impacted soil remains in the area adjacent to the fence between the Gonzalez property and the school. The soils from the backyard area were removed to acceptable levels of lead and arsenic in the floor of the excavation, and then filled with clean soils. Sidewall samples from the excavation found elevated levels of lead and arsenic at varying depths that were inaccessible due to the residential and out buildings on the property to the north, and property lines to the west, south, and east. In the northern sidewall, facing the residences, lead was found at up to 1641 mg/kg at 4-feet, and up to 504 mg/kg at 7-feet.

The property to the west is mostly paved or covered by apartment buildings. The driveway between the two units is paved. Therefore, contact with any impacted soil is limited in these areas. Sampling on the small strip behind the car port area was conducted which showed elevated lead at one point. It was paved to prevent the possible lead exposure.

6. **Type of Site:** (Check appropriate response)

Included in Bond Expenditure Plan? Yes ___ No X

RCRA-Permitted Facility _____ Bond - funded
RCRA Facility Closure _____ RP - funded

*NPL
Federal Facility

Other (i.e., walk-in): Explain Briefly: State-funded (Orphan site)

7. **Size of Site:** (Based on Expenditure Plan definition of size)

Small ___ Medium X Large ___ Extra Large

8. **Dates of Remedial or Removal Action:**

A. Initiated: 8/15/2005 B. Completed: 1/18/2006

*Per SARA, any NPL site that is not permanently cleaned must be scheduled for a follow-up visit after 5 years to verify that cleanup measures are still satisfactory.

9. **Response Action Taken on Site:** (check appropriate action)

- X Removal Action (satisfactory abatement of site)
___ Final Remedial Action
___ RCRA Enforcement/Closure action
___ No action, further investigation verified that no cleanup action at site was needed.

A. Type of Remedial or Removal Action (e.g. Excavation and redisposal, cap, on-site treatment?):

Excavated and contaminated soil hauled off site.

B. Estimated quantity of waste associated with the site (i.e., tons/gallons/cubic yards) which was:

1. <input type="checkbox"/> treated	Amount:
2. <input type="checkbox"/> untreated (capped sites)	Amount:
3. <input checked="" type="checkbox"/> removed	Amount: <u>11,768 tons</u>

10. Cleanup Levels/Standards:

A. What were the cleanup standards established by the Department of Toxic Substances Control (DTSC) pursuant to the final remedial action plan (RAP) or workplan (if cleanup occurred as the result of a removal action (RA) prior to development of a RAP)?

The cleanup standards for the removals of metals were based on background concentrations for arsenic (11.3 mg/kg) and risk-based concentrations for lead and cadmium.

B. Were the specified cleanup standards met? Yes No

C. If "no", why not:

Contaminants in inaccessible areas such as underneath the buildings, driveway and the north sidewall were left behind. These areas are capped and do not cause the exposure risk.

11. DTSC Involvement in the Remedial or Removal Action:

A. Did the Department order the Remedial or Removal Action?

Yes No Date of Order: September 9, 2005

B. Did the Department review and approve the following plans/procedures? (indicate date of review/approval if done):

<input type="checkbox"/> Sampling Analysis Procedures	Date
<input type="checkbox"/> Health & Safety Protections	Date
<input type="checkbox"/> Removal/Disposal Procedures	Date
<input checked="" type="checkbox"/> Removal Action Plan	Date <u>1/27/2004</u>

C. If site was abated by a responsible party, did the Department receive a signed statement from a licensed professional on all phases of the Remedial Actions? (indicate date of statement)

Remedial Action Plan

Date

Design & Construction Specifications

Date

Post Construction

Date

- D. Did a registered engineer or geologist verify that acceptable engineering practices were implemented?

Yes No Name Bruce Garbaccio

- E. Did the Department confirm completion of all Remedial Actions?

Yes No Date of verification 3-28-2007 (i.e. manifest, sampling, demonstrated installation and operation of treatment)

- F. Did the Department (directly or through a contractor) actually perform the Remedial Action?

Yes No Name of Contractor: Performance Excavators

- G. Was there a community relations plan in place? Yes No

- H. Was a removal action workplan developed for this site? Yes No

- I. Did DTSC hold a public meeting regarding the draft RAP? Yes No

- J. Were public comments addressed?

Yes No Date of DTSC analysis and response: 2-4-2004

- K. Are all the facts cited above adequately documented in the DTSC files? Yes No

If no, identify areas where documentation is lacking.

12. EPA involvement in the Remedial or Removal Action:

- A. Was the EPA involved in the site cleanup? Yes No

- B. If yes, did EPA concur with all remedial actions? Yes No

- C. EPA comments

EPA staff involved in cleanup:

(Name, Title)

(Address, Phone Number)

13. Other Regulatory Agency Involvement in the Cleanup Action:

Agency: None Activity:
 RWQCB
 ARB
 CHP No
Caltrans
 Other

Name of contact persons and agency:

14. Post-Closure Activities:

A. Will there be post-closure activities at this site? (e.g. Operation and Maintenance) Yes No If yes, describe: Land Use Covenant

B. Have post-closure plans been prepared and approved by the Department? Yes No

C. What is the estimated duration of post-closure (including operations and maintenance) activities? 30 years.

D. Are deed restrictions proposed or in place? Yes No

If "yes", have deed restrictions been recorded with the County recorder?

Yes No Date April 27, 2007

If "no", who is responsible for assuring that the deed restrictions are recorded?

Who is the Department contact? Name/Phone Number Chand Sultana at (818) 551-2962

E. Has cost recovery been initiated? Yes No
If yes, amount received \$ _____; _____% of DTSC costs.

F. Were local planning agencies notified of the cleanup action? Yes No
If yes, the name and address of agency:

City of Cudahy - Acquired excavation/grading and encroachment permits. City point of contact is Saul Bolivar (323) 773-5143 (See attachment A).

South Coast Air Quality Management District. Mr. Tupac (909) 396-2684

B.N. 2/10/03 14/10

15. Expenditure of Funds and Source:

(Information to be supplied by Toxic Accounting Unit.)

Funding Source and amount expended: State funded

___ HWCA	\$	_____	HSA	\$	
___ HSCF	\$	_____	RCRA	\$	
___ RP	\$	_____	Other (State funded)	\$	<u>1,916,240.00</u>
___ Federal Cooperative Agreement	\$				
___ Other (Site Remediation Account)	\$				

16. Additional Comments:

ENV 2020 1201



Linda S. Adams
Secretary for
Environmental Protection



Department of Toxic Substances Control

Maureen F. Gorsen, Director
1011 North Grandview Avenue
Glendale, California 91201



Arnold Schwarzenegger
Governor

March 28th, 2007

Ms. Mary Gonzales
36922 Atka Court
Palmdale, California-93552

CUDAHY RESIDENTIAL PROPERTY, LOS ANGELES COUNTY, CALIFORNIA

Dear Ms. Gonzales:

The removal action implementation for the Cudahy Residential Property Site (Site) has been completed. All accessible contaminated soil has been removed and a concrete pavement has been placed in the backyard area to prevent potential exposure to inaccessible lead impacted soil. The Removal Action Plan for the Site requires that a land use covenant for the property be signed by the property owner and be recorded with Los Angeles County Recorders Office.

Enclosed please find a draft copy of the deed restriction for the Site. Please review the draft document and respond with any comments by April 15, 2007.

Should you have any questions, please contact Ms. Chand Sultana, Ph.D, DTSC Project Manager, at (818) 551-2962 or me at (818) 551-2822.

Sincerely,

Sayareh Amir, Chief
Southern California Cleanup Operations Branch - Glendale Office

Enclosure

**HAZARDOUS MATERIAL
 SAMPLE ANALYSIS REQUEST**

1. Authorization Number
 SIC 16012

No. AP01407
 To AP01407
 2. Page 3 of 3

3. REQUESTOR: CHAND SULTANA Phone (818) 551.2742

7. TAT Level: (select one)
 1
 2
 3

5. ADDRESS (To Receive Results)
 DTSC 1011 GRANDVIEW AVE
 GLENDALE

ORIGINAL

8. DATE SAMPLED: 5-18-2006

9. Codes (fill in all applicable codes)

a. Office	03
b. INDEX	
c. PCA	
d. MPC	
e. SITE	
f. Country	19

10. ACTIVITY: SCD SRPD C.B. SSB FPB SPPT Other

11. SAMPLING LOCATION

b. Site ELIZABETH PROPERTY
 c. Address ELIZABETH AVE CVOAHT
 Number Street City ZIP

12. SAMPLES:

a. ID	b. Collector's No.	c. MHL No.	d. Type	e. Size	f. Field Information
A	1-0-5	AP01407	SOIL	G 802	
B	1-2	AP01408			
C	2-0-5	AP01409			
D	2-2	AP01410			
E	3-0-5	AP01411			
F	3-1	AP01412			

13. ANALYSIS REQUESTED: (X desired analysis and enter 1 Ds from 12.a.)

INORGANIC ANALYSIS

Sample(s) ID: ALL A-F

Metals Scan (5010)

Metals Specific

WET

Cyanides

TCLP Analysis

Metals

Mercury

Volatiles

Semivolatiles

ORGANIC ANALYSIS

Sample(s) ID

CL-Pesticides (8081)

OP-Pesticides (8141)

PCBs (8082)

GRD (8015B)

DRO / Motor Oil / Both (select one)

n-Hexane Extractables (1664)

Flash Point (1025)

VOCs Including BTEX (8265)

VOCs - LO Level (5025)

VOCs - HI Level (5035)

SVOCs (8270)

PAHs (8270)

14. ANALYSIS OBJECTIVE: Waste Characterization Treatment Standards
 Drinking H₂O Standards (applies to DW only) Others (contact Lab supervisors first)

15. DETECTION LIMIT REQUIREMENTS: 1 mg/kg

16. SUPPLEMENTAL REQUESTS

17. LAB REMARKS:

18. CHAIN OF CUSTODY:

18	Barbara Bush	Barbara Bush / ENGINEERING CONSULTANT	5/18/2006	5/19/2006
19	Barbara Bush	Barbara Bush / Lab Tech	5/19/2006	

DTSC 1189 (REV 9/00)

Make Photocopies for your File

**HAZARDOUS MATERIAL
SAMPLE ANALYSIS REQUEST**

1. Authorization Number
SCIV 6 0112

No. AP01407
To AP01415

2. Page 2 of 2

3. REQUESTOR: CHAND SULTANA
4. Phone: 818.551.2962
5. ADDRESS (To Receive Results):
DTS 1011 GRANDVIEW AVE
GLENDALE
6. FAX: 818.551.2874

7. TAT Level: (check one)
 1 2 3

ORIGINAL

8. DATE SAMPLED: 5-18-2006

9. ACTIVITY: SCO SRPD OIB SWB FFB SPPT Others

9. Codes (fill in all appropriate codes)

a. Office	
b. INDEX	
c. PCA	
d. MPC	
e. SITE	
f. County	

11. SAMPLING LOCATION

a. Site: CONZATEZ PROPERTY
c. Address: ELIZABETH AVE CORAHY
Number Street City Zip

12. SAMPLES:

a. ID	b. Collector's No.	c. HML No.	d. Type	e. Type	f. Size	g. Field Information
A	4-0-S	AP01413	Soil	G	20Z	
B	4-2	AP01414				
C	5-0-S	AP01415				
D						
E						
F						

13. ANALYSIS REQUESTED: (X checked analysis and enter / Do from 12.a.)

INORGANIC ANALYSIS (Samples) ID: A-C

Metals Scan (6010)
Metal(s) Specific: _____
WET _____
Cyanides (others write in) _____
TCAP Analysis (only if necessary) (see TCAP spreadsheet) _____
Metals _____
Mercury _____
Volatiles _____
Semi-volatiles (others write in) _____

ORGANIC ANALYSIS (Samples) ID: _____

GL-Pesticides (8081)
 OP-Pesticides (8141)
 PCBs (8082)
 G.R.O. (8015B)
 D.R.O. / Motor Oil / Both (others write in)
 n-Hexane Extractables (1664)
 Flash Point (1020)
 VOCs including BTEX (8260)
 VOCs - LO Level (8035)
 VOCs - HI Level (8035)
 SVOCs (8270)
 PAHs (8270)
(others write in) _____

14. ANALYSIS OBJECTIVE: Waste Characterization RISK ASSESSMENT Treatment Standards
 Drinking H₂O Standards (applies to DW only) Others (insert Lab submission form)

15. DETECTION LIMIT REQUIREMENTS: 1 MS/Kg Initials: _____ Date: _____

16. SUPPLEMENTAL REQUESTS: _____

17. LAB REMARKS:
CHAIN OF CUSTODY:
Barbara Bush to AP01407/ENGINEERING COLLECT 5/18/2006 to 5/19/2006
Barbara Bush to Barbara Bush/Lab Tech 5/19/06
to _____
to _____
to _____

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
 ENVIRONMENTAL CHEMISTRY LABORATORY - SOUTH CALIFORNIA
 1445 W. TEMPLE STREET, LOS ANGELES, CA 90015
 TELEPHONE (213) 580-5797 OR (213) 250-3045

5

REQUESTER: CHAND SULTANA

SCL NO: AP01407 - AP01415

SAMPLE LOCATION: GONZALES PROPERTY
 ELIZABETH AVE. CUDAHY

DATE REPORTED: 6/5/2006

METHOD(S): EPA 3050B ACID DIGESTION
 EPA 6010B ICP - AES

METAL SCAN (TTLIC) ANALYSIS

ANALYTE	UNIT	SCL NO									
		AP01407	AP01408	AP01409	AP01410	AP01411	AP01412	AP01413	AP01414	AP01415	
		1-0.5	1-2	2-0.5	2-2	3-0.5	3-1	4-0.5	4-2	5-0.5	
		SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
		TTLIC-LIMIT									
Ag - SILVER	500	<25	<25	<25	30.4	<25	<25	<25	<25	<25	
As - ARSENIC	500	<25	<25	<25	<25	<25	620	2500	110	77	
Ba - BARIUM	10,000	140	120	86	130	620	2500	110	77	130	
Be - BERYLLIUM	75	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
Cd - CADMIUM	100	<2.5	<2.5	<2.5	<2.5	3.4	55	<2.5	<2.5	<2.5	
Co - COBALT	8,000	<25	<25	<25	<25	<25	27	60	<25	<25	
Cr - CHROMIUM	2,500	<25	<25	<25	<25	34	148	590	39	<25	
Cu - COPPER	2,500	33	34	<25	34	148	590	39	<25	<25	
Mo - MOLYBDENUM	3,500	<25	<25	<25	<25	<25	31	63	<25	<25	
Ni - NICKEL	2,000	<25	<25	<25	<25	32	430	1000	39	<25	
Pb - LEAD	1,000	35	32	<25	32	430	1000	39	<25	35	
Sb - ANTIMONY	500	<25	<25	<25	<25	<2.5	9.9	<2.5	<2.5	4.2	
Se - SELENIUM	100	4.4	5.1	2.7	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
Tl - THALLIUM	700	<25	<25	<25	<25	<25	<25	<25	<25	<25	
V - VANADIUM	2,400	49	50	54	52	40	35	48	51	53	
Zn - ZINC	5,000	130	120	70	100	1900	11400	132	58	110	

NOTE: * = BELOW DETECTION LIMIT OF METHOD

SAMPLE PREPARATION

PREM HFA DATE 6/5/06

ANALYST:

MARIO VINOYA DATE 6/5/06

SUPERVISOR:

RUSS CHIN DATE 6/5/06

QUALITY CONTROL (QC) REPORT
 DEPARTMENT OF TOXIC SUBSTANCES CONTROL
 ENVIRONMENTAL CHEMISTRY LABORATORY - SOUTHERN CALIFORNIA
 1449 WEST TEMPLE STREET, LOS ANGELES, CA 90026
 TELEPHONE (213) 580 - 5797 OR (213) 250 - 3045

6

REQUESTER'S NAME: CHAND SULTANA
 SAMPLING LOCATION: GONZALES PROPERTY
 ELIZABETH AVE, CUDAHY

DATE SAMPLES RECEIVED: 5/19/2006
 DATE SAMPLES PREPARED: 5/30/06 - 5/31/06
 DATE SAMPLES ANALYZED: 6/1/2006

METHOD(S): EPA 3050B ACID DIGESTION
 EPA 6010B ICP - AES

QC REPORT FOR METHODS BLANKS, CVS, LCS, AND SAMPLE DUPLICATE

ANALYTE	UNITS	METHOD BLANK	VERIFICATION STANDARD			LABORATORY CONTROL SAMPLE		SAMPLE DUPLICATE AP01412			
			FOUND	KNOWN	FOUND	CONTROL	FOR TOTAL METALS		RPD	CONTROL	
							A	B			
		Mg/L	Mg/L	Mg/L	Mg/Kg	LIMITS	Mg/Kg	Mg/Kg	%	LIMITS	
Ag - SILVER		<0.5	39	40	748	713 - 986	ND	ND	ND	20	
As - ARSENIC		<0.5	40	40	1267	1098 - 1438	ND	ND	ND	20	
Ba - BARIUM		<0.5	40	40	1956	1406 - 2422	2203	2467	11.3	20	
Be - BERYLLIUM		<0.1	8.1	8.0	80	59 - 83	ND	ND	ND	20	
Cd - CADMIUM		<0.1	8.0	8.0	317	281 - 350	57	55	4.9	20	
Co - COBALT		<0.5	40	40	1524	1196 - 1596	ND	ND	ND	20	
Cr - CHROMIUM		<0.5	41	40	1384	1163 - 1499	63	60	4.0	20	
Cu - COPPER		<0.5	40	40	1857	1555 - 2106	605	590	2.5	20	
Mo - MOLYBDENUM		<0.5	40	40	1989	1681 - 2193	ND	ND	ND	20	
Ni - NICKEL		<0.5	40	40	1474	1155 - 1535	64	63	1.6	20	
Pb - LEAD		<0.5	41	40	1016	831 - 1119	1198	997	18.3	20	
Sb - ANTIMONY		<0.5	40	40	834	696 - 1095	ND	ND	ND	20	
Se - SELENIUM *		<0.1	8.0	8.0	558	460 - 651	4.4	9.9	77.0	20	
Tl - THALLIUM		<0.5	39	40	515	332 - 624	ND	ND	ND	20	
V - VANADIUM		<0.5	40	40	789	727 - 904	36	35	3.1	20	
Zn - ZINC		0.9	41	40	2130	1724 - 2141	10942	11434	4.4	20	

NOTES: < = BELOW DETECTION LIMIT OF METHOD ND = NON DETECTED

* Variation on the RPD result for Se can be traced to the non-homogeneity of the sample

SAMPLE PREPARATION: *[Signature]*
 PREM HIRA DATE: 6/5/06

ANALYST: *[Signature]*
 MARIO VINOYA DATE: 6/5/06

SUPERVISOR: *[Signature]*
 RUSS CHIN DATE: 6/5/06

WIN 2006.5.14.10.10

7

QUALITY CONTROL (QC) REPORT
 DEPARTMENT OF TOXIC SUBSTANCES CONTROL
 ENVIRONMENTAL CHEMISTRY LABORATORY - SOUTHERN CALIFORNIA
 1449 WEST TEMPLE STREET, LOS ANGELES, CA 90026
 TELEPHONE (213) 560 - 5797 OR (213) 250 - 3045

REQUESTER'S NAME: CHAND SULTANA
 DATE SAMPLES RECEIVED: 5/19/2006

SAMPLING LOCATION: GONZALES PROPERTY
 ELIZABETH AVE. CUDAHY
 DATE SAMPLES PREPARED: 5/30/06 - 5/31/06

METHOD(S): EPA 3050B ACID DIGESTION
 EPA 6010B ICP - AES
 DATE SAMPLES ANALYZED: 6/1/2006

QC REPORT FOR MATRIX SPIKE(MS)/MATRIX SPIKE DUPLICATE(MSD) PERCENT RECOVERY

MATRIX SPIKE PERFORMED ON: AP01412 TYPE OF MATRIX: SOLID
 I.D. OF SPIKE: ME02/06PH400/100/20

COMPOUND	AMOUNT OF ANALYTE		MATRIX SPIKE		MATRIX SPIKE DUPLICATE		AVE % REC	CONTROL LIMITS FOR % REC	R % D BETWEEN MS/MSD	CONTROL LIMITS FOR RPD
	IN SAMPLE	ADDED	AMOUNT RECOVERED	%REC	AMOUNT RECOVERED	%REC				
	Mg/Kg	Mg/Kg	Mg/Kg	%	Mg/Kg	%				
Ag - SILVER	0	500	512	102.4	495	98.9	101	70 - 130	3.5	20
As - ARSENIC	19	500	502	96.6	494	95.0	96	70 - 130	1.7	20
Ba - BARIUM *	2467	500	3048	116.2	2212	-51.0	33	70 - 130	513	20
Be - BERYLLIUM	0.0	100	100	100.0	101	100.9	100	70 - 130	0.9	20
Cd - CADMIUM	55	100	147	92.5	151	96.1	94	70 - 130	3.8	20
Co - COBALT	17	500	534	103.4	529	102.5	103	70 - 130	0.9	20
Cr - CHROMIUM	60	500	553	98.6	538	95.6	97	70 - 130	3.1	20
Cu - COPPER	590	500	1123	106.5	1129	107.7	107	70 - 130	1.1	20
Mo - MOLYBDENUM	3.0	500	492	97.8	489	97.1	97	70 - 130	0.7	20
Ni - NICKEL	63	500	569	101.3	558	99.1	100	70 - 130	2.2	20
Pb - LEAD	997	500	1515	103.7	1507	102.1	103	70 - 130	1.6	20
Sb - ANTIMONY	13	500	451	87.4	420	81.3	84	70 - 130	7.2	20
Se - SELENIUM	9.9	100	104	94.2	101	91.4	93	70 - 130	3.0	20
Tl - THALLIUM	0.0	500	445	89.0	445	89.1	89	70 - 130	0.1	20
V - VANADIUM	35	500	522	97.4	520	97.0	97	70 - 130	0.4	20
Zn - ZINC *	11434	500	12054	124	11798	73	98	70 - 130	52.0	20

NOTES: * Variations in the R%D for Ba and Zn may be due to the nonhomogeneity of the samples

SAMPLE PREPARATION

SH
 PREM HIRA
 DATE: 6/5/06

ANALYST

Mario
 MARIO VINDYA
 DATE: 6/5/06

SUPERVISOR

Russ Chin
 RUSS CHIN
 DATE: 6/5/06



PERFORMANCE EXCAVATORS, INC.
103 SHORELINE PARKWAY, SECOND FLOOR
SAN RAFAEL, CA 94901
(415) 257-4640
(415) 257-4644 - Fax

Analytical Report for Import
Gonzales Residence, Cudahy CA

To: Chand Sultana
Dept of Toxic Substances Control

Attached are the Analytical results for your information and approval.

This material is coming from Union and Euclid St Pasadena California.

Gene Fiedler
Performance Excavators

GONZALES PROPERTY, CUDAHY CA

ANALYTICAL REPORT

-- CA Title 22 Metals (17) --

Client Name: Performance Excavators
 Project Manager: Gene Fiedler
 Project Name: Gonzalez
 Sample Matrix: Soil

Date Sampled: 07/22/05
 Date Analyzed: 07/25/05
 Date Reported: 08/08/05
 Unit Reported: mg/kg or ppm

C&E LAB ID	50722E-1			
SAMPLE ID	Gonzalez			
DF	1			

COMPOUND	Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Antimony (Sb)	6010	ND	5								
Arsenic (As)	6010	ND	5								
Barium (Ba)	6010	72	5								
Beryllium (Be)	6010	ND	0.5								
Cadmium (Cd)	6010	ND	0.5								
Chromium (Cr)	6010	12	1								
Cobalt (Co)	6010	6	5								
Copper (Cu)	6010	10	1								
Lead (Pb)	6010	10	1								
Mercury (Hg)	7471	ND	0.1								
Molybdenum (Mo)	6010	ND	5								
Nickel (Ni)	6010	7	5								
Selenium (Se)	6010	ND	1								
Silver (Ag)	6010	ND	1								
Thallium (Tl)	6010	ND	5								
Vanadium (V)	6010	29	5								
Zinc (Zn)	6010	35	1								

ND = Not detected at the indicated reporting limit; DF = Dilution Factor; RL = Reporting limit.

PROPERTY COPY 4/15

ANALYTICAL REPORT

— EPA 8270C (SVOCs) —

Page 2 of 2

Client Name: Performance Excavators
 Project Manager: Gene Fiedler
 Project Name: Gonzalez
 Sample Matrix: Soil

Date Sampled: 07/22/05
 Date Extracted: 07/25/05
 Date Analyzed: 08/05/05
 Date Reported: 08/08/05

C&E LAB ID	50722E-1		
SAMPLE ID	Gonzalez		
DF	1		

Unit Reported: $\mu\text{g/kg}$ or ppb

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
2,4-Dinitrotoluene	ND	250								
2,4-Dinitrophenol	ND	250								
Fluorene	ND	250								
4-Chlorophenyl Phenyl Ether	ND	250								
Diethylphthalate	ND	250								
4-Nitroaniline	ND	250								
Azobenzene	ND	250								
4,6-Dinitro-2-Methyl Phenol	ND	250								
4-Bromophenyl Phenyl Ether	ND	250								
Hexachlorobenzene	ND	250								
Pentachlorophenol	ND	250								
Phenanthrene	ND	250								
Anthracene	ND	250								
Carbazole	ND	250								
Di-N-Butylphthalate	ND	250								
Fluoranthene	ND	250								
Pyrene	ND	250								
Butylbenzylphthalate	ND	250								
Benzo(a)Anthracene	ND	250								
Chrysene	ND	250								
Bis (2-Ethylhexyl) Phthalate	ND	250								
Di-N-Octylphthalate	ND	250								
Benzo (b) Fluoranthene	ND	250								
Benzo (k) Fluoranthene	ND	250								
Benzo (a) Pyrene	ND	250								
Indeno (1,2,3-c,d) Pyrene	ND	250								
Dibenzo (a,h) Anthracene	ND	250								
Benzo (g,h,i) Perylene	ND	250								

Surrogate Compounds	% Surrogate Recovery (55-140)
2-Fluorobiphenyl	76
2-Fluorophenol	70
Nitrobenzene-d5	72
Phenol-d5	65
p-terphenyl-d14	67
2,4,6-tribromophenol	60

ND = Not detected at the indicated reporting limit; DF = Dilution Factor; RL = Reporting limit.
 MI = Matrix Interference; unquantifiable due to coeluting organics in sample.

GONZALEZ PROPERTY, CUDAHY

ANALYTICAL REPORT

— EPA 8270C (SVOCs) —

Page 1 of 2

Client Name: Performance Excavators
 Project Manager: Gene Fiedler
 Project Name: Gonzalez
 Sample Matrix: Soil

Date Sampled: 07/22/05
 Date Extracted: 07/25/05
 Date Analyzed: 08/05/05
 Date Reported: 08/08/05

C&E LAB ID	50722E-1			
SAMPLE ID	Gonzalez			
DF	1			

Unit Reported: $\mu\text{g/kg}$ or ppb

COMPOUND	Result		Result		Result		Result	
	RL	RL	RL	RL	RL	RL	RL	
N-nitrosodimethylamine	ND	250						
Bis (2-Chloroethyl) Ether	ND	250						
2-Chlorophenol	ND	250						
Phenol	ND	250						
1,3-Dichlorobenzene	ND	250						
1,4-Dichlorobenzene	ND	250						
1,2-Dichlorobenzene	ND	250						
Bis (2-Chloroisopropyl) Ether	ND	250						
Hexachloroethane	ND	250						
2-Methyl Phenol	ND	250						
N-Nitrosodi-N-Propylamine	ND	250						
4-Methylphenol	ND	250						
Nitrobenzene	ND	250						
Isophorone	ND	250						
2-Nitrophenol	ND	250						
2,4-Dimethylphenol	ND	250						
Bis (2-Chloroethoxy) Methane	ND	250						
2,4-Dichlorophenol	ND	250						
1,2,3-Trichlorobenzene	ND	250						
Naphthalene	ND	250						
4-Chloroaniline	ND	500						
Hexachlorobutadiene	ND	250						
1-Methylnaphthalene	ND	250						
4-Chloro-3-Methylphenol	ND	250						
Hexachlorocyclopentadiene	ND	250						
2,4,6-Trichlorophenol	ND	250						
2,3,4-Trichlorophenol	ND	250						
1-Chloronaphthalene	ND	250						
2-Nitroaniline	ND	250						
Acenaphthylene	ND	250						
Dimethyl Phthalate	ND	250						
2,6-Dinitrotoluene	ND	250						
Acenaphthene	ND	250						
3-Nitroaniline	ND	500						
4-Nitrophenol	ND	500						
Dibenzofuran	ND	250						

To be continued on page 2

GONZALEZ PROPERTY, CUDAHY, CA

ANALYTICAL REPORT
 — EPA 8081A/8082 (Pesticides/PCBs) —

Client Name: Performance Excavators
 Project Manager: Gene Fiedler
 Project Name: Gonzalez
 Sample Matrix: Soil

Date Sampled: 07/22/05
 Date Extracted: 07/27/05
 Date Analyzed: 08/05/05
 Date Reported: 08/08/05

C&E LAB ID	50722E-1		
SAMPLE ID	Gonzalez		
DF	1		

Unit Reported: $\mu\text{g/kg}$ or ppb

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aldrin	ND	0.7								
α -BHC	ND	0.9								
β -BHC	ND	0.9								
γ -BHC	ND	0.8								
δ -BHC	ND	0.6								
Chlordane	ND	0.1								
4,4'-DDD	ND	0.6								
4,4'-DDE	ND	0.5								
4,4'-DDT	ND	0.5								
Dieldrin	ND	0.9								
Endosulfan I	ND	0.8								
Endosulfan II	ND	0.7								
Endosulfan Sulfate	ND	1.6								
Endrin	ND	1.5								
Endrin Aldehyde	ND	2.6								
Heptachlor	ND	1.2								
Heptachlor Epoxide	ND	0.7								
Methoxychlor	ND	1.7								
Toxaphene	ND	1.4								
PCB-1016	ND	5.0								
PCB-1221	ND	5.0								
PCB-1232	ND	5.0								
PCB-1242	ND	5.0								
PCB-1248	ND	4.0								
PCB-1254	ND	2.0								
PCB-1260	ND	2.0								

Surrogate Compounds	% Surrogate Recovery (55-140)
2,4,5,6-tetrachloro-m-xylene	116

ND = Not detected at the indicated reporting limit. DF = Dilution Factor; RL = Reporting limit.
 MI = Matrix Interference; insignificant due to confusing organics in sample.

GONZALEZ PROPERTY, COAHUILTECA

ANALYTICAL REPORT
 — EPA 8081A/8082 (Pesticides/PCBs) —

Client Name: Performance Excavators
 Project Manager: Gene Fiedler
 Project Name: Gonzalez
 Sample Matrix: Soil

Date Sampled: 07/22/05
 Date Extracted: 07/27/05
 Date Analyzed: 08/05/05
 Date Reported: 08/08/05

C&E LAB ID	50722E-1			
SAMPLE ID	Gonzalez			
DF	1			

Unit Reported: $\mu\text{g/kg}$ or ppb

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aldrin	ND	0.7								
α -BHC	ND	0.9								
β -BHC	ND	0.9								
γ -BHC	ND	0.8								
δ -BHC	ND	0.6								
Chlordane	ND	0.1								
4,4'-DDD	ND	0.6								
4,4'-DDE	ND	0.5								
4,4'-DDT	ND	0.5								
Dieldrin	ND	0.9								
Endosulfan I	ND	0.8								
Endosulfan II	ND	0.7								
Endosulfan Sulfate	ND	1.6								
Endrin	ND	1.5								
Endrin Aldehyde	ND	2.6								
Heptachlor	ND	1.2								
Heptachlor Epoxide	ND	0.7								
Methoxychlor	ND	1.7								
Toxaphene	ND	1.4								
PCB-1016	ND	5.0								
PCB-1221	ND	5.0								
PCB-1232	ND	5.0								
PCB-1242	ND	5.0								
PCB-1248	ND	4.0								
PCB-1254	ND	2.0								
PCB-1260	ND	2.0								

Surrogate Compounds	% Surrogate Recovery (55-140)
2,4,2,6-tetrachloro-m-xylene	116

ND = Not detected at the indicated reporting limit. DF = Dilution Factor. RL = Reporting limit.
 MI = Matrix Interference; unquantifiable due to co-eluting organics in sample.

GONZALEZ PROPERTY, CUDAHY

ATTACHMENT A
Specifications of Work Ordered
Cudahy Park Residential - Gonzales Property next to School
MSA 00-T2167 - Work Order No. 3-864-1.1-301169

I. WORK ORDERED

A. Site Description

The Gonzales Residential Site (Site) is comprised of approximately one acre and is located at 5256 and 5260 Elizabeth Street in the City of Cudahy, Los Angeles County, California. According to historical records, it appears that landfill activities were conducted from approximately 1934 to 1960 at the Site. The former Steepleton Landfill consisted of a glass recycling facility, a large waste impoundment area, and an open-access dump. A RAW was completed for the Cudahy Park Site. The contamination at the Cudahy Park Residential Site is an extension of the contamination identified at the Park Site. All work at the Cudahy Park Residential Site - Gonzales Property should be conducted in accordance with the approved RAW for the Cudahy Park Site.

Contaminants in Site soil include metals, volatile organic compounds (VOCs), and polycyclic aromatic hydrocarbons (PAHs).

The chosen remedy includes the removal of subsurface soil in selected areas across the site, backfill the excavation and site restoration.

B. Site Activities

To achieve the project objectives, Contractor shall perform the following tasks:

TASK 2 - IMPLEMENTATION

Subtask 2d: In-situ Waste Characterization

Contractor shall conduct in-situ characterization of waste material per landfill disposal requirements prior to start of RAW implementation. Prior to soil excavation Contractor shall determine the hazardous waste characterization of the soil determined by use of the WET method. In-situ soil samples will be obtained and collected in the proposed areas of excavation and the results will determine how the soil shall be disposed.

Subtask 2g: Stabilization

Site stabilization shall be performed as necessary.

Subtask 2h: Excavate and Conduct Sampling

Contractor shall excavate the areas of concern and hotspots down to 10 feet below ground surface as indicated in the "Preliminary Endangerment Assessment Report" (PEA) prepared by Hydrologue Inc. Confirmatory soil sampling shall be conducted for the purpose of post-excavation risk assessment and to determine if the goals of excavation have been met.

GONZALES PROPERTY, CUDAHY FILE NO. 2

Subtask 2i: Haul and Dispose Waste

Contractor shall oversee the transportation and disposal of contaminated soil into appropriate landfill destination.

Subtask 2j: Place Import Backfill

Place Import Backfill - Contractor shall place import backfill verified as clean according to the attached DTSC Guidance "Information Advisory Clean Imported Fill Material". The Site shall be re-graded, soil compacted according to the specifications listed in the approved RAW.

TASK 3 - CLOSEOUT PROJECT

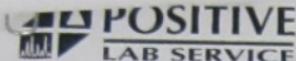
Subtask 3a: Site Restoration

Contractor shall replace fence and reconstruct pavements.

Subtask 3b: Site Cleanup and Demobilization

Contractor shall conduct site cleanup and demobilization at the completion of the excavation field work.

PROPERTY COMPANY (UDAHY 1/1/10/2)



781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

September 13, 2005

Dan Ugalde
Ugalde Trucking Co., Inc.
2336 N. Batavia St.
Orange, CA 92865

Report No.: 5090061
Project Name:

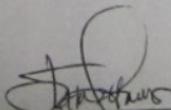
Dear Dan Ugalde,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on September 12, 2005.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

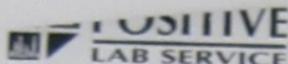
The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.



Project Manager

EWZALOS PROPERTY, CUDAHY FILE NO. 2



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5112 FAX (213) 745-6172

Certificate of Analysis

Page 2 of 14

Ugalde Trucking Co., Inc.
 2336 N. Betaville St.
 Orange, CA 92665

File #: J2795
 Reported: 09/13/05 12:34
 Submitted: 09/12/05
 PLS Report No.: 5090061

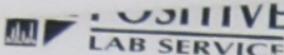
Attn: Dan Ugalde

Phone: (714) 282-8012 FAX: (714) 282-8532

Project: Cudahy City Park

Sample ID:	Ramona Grab Sep. # from Grade	Soil	(5090061-01)	Sampled: 09/12/05 07:05	Received: 09/12/05 07:30					
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Program	Analysis	By	Batch
Dichlorofluoromethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Chloromethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Methyl chloride	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Bromomethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Chloroethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Trichlorofluoromethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Acetone	ND		1	ug/kg	60.0	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Carbon disulfide	ND		1	ug/kg	40.0	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1,1-Dichloroethene	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Nitrobenzene	ND		1	ug/kg	20.0	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1,1-Dichloroethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Methyl acetate	ND		1	ug/kg	40.0	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1,2-Dichloropropane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
cis-1,2-Dichloroethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
2-Butanone	ND		1	ug/kg	60.0	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Bromochloromethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Chloroform	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Carbon tetrachloride	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1,1-Dichloropropane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Benzene	ND		1	ug/kg	2.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1,2-Dichloroethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Trichloroethene	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1,1-Dichloroethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Dibromomethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Bromodichloromethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1-Chloro-2-methyl ethyl ether	ND		1	ug/kg	40.0	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
cis-1,2-Dichloropropane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
4-Methyl-2-pentanone	ND		1	ug/kg	2.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Toluene	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
trans-1,2-Dichloroethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1,1,2-Trichloroethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Isobutylacetate	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1,3-Dichloropropane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
2-Propanone	ND		1	ug/kg	60.0	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Dibromochloromethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1,2-Dichloroethane (DDE)	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Chlorobenzene	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1,1,1,2-Tetrachloroethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Dibenzene	ND		1	ug/kg	2.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Mu-xylene	ND		1	ug/kg	2.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
o-xylene	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Benzene	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Isobutylacetate	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
Isobutylacetate	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1,1,2,2-Tetrachloroethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280
1,1,2-Trichloroethane	ND		1	ug/kg	4.00	09A 50358	09A 62608	09/12/05	09/12/05	# 001280

WINDALES PROPERTY CUDAHY PARK



781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 3 of 14

Ugalde Trucking Co., Inc.
2336 N. Batavia St.
Orange, CA 92665

File #: 73795
Reported: 09/13/05 12:34
Submitted: 09/12/05
PLS Report No.: 5090061

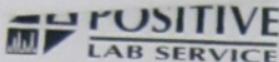
Attn: Dan Ugalde

Phone: (714) 282-8012 FAX: (714) 282-8532

Project: Cudahy City Park

Sample ID:	Ramona Grab Sep. 8'	from Grade	Soil (5090061-01)	Sampled: 09/12/05 07:05	Received: 09/12/05 07:20					
n-Propylbenzene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
2-Chlorotoluene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
4-Chlorotoluene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
tert-Butylbenzene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
sec-Butylbenzene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
1,3-Dichlorobenzene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
4-Isopropyltoluene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
1,4-Dichlorobenzene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
1,2-Dichlorobenzene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
n-Butylbenzene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
Hexachlorobutadiene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
Naphthalene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
Methyl tert-butyl ether	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
1,4-Dioxane	ND	1	ug/kg	80.0 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
Tert-butyl alcohol	ND	1	ug/kg	20.0 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
Di-isopropyl ether	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
Ethyl tert-butyl ether	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
Tert-amyl methyl ether	ND	1	ug/kg	4.00 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
Surrogate: Dibromofluoromethane	82.1 %			54-158 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
Surrogate: Toluene-d8	103 %			69-131 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
Surrogate: 4-Bromofluorobenzene	101 %			72-139 EPA 50358	EPA 82608	09/12/05	09/12/05	at 0651301		
Asbestos	Attachment	1			Sub-Prep Sub-Method	09/13/05	09/13/05	at 0651314		
CS - 112	ND	1	mg/kg	0.500 EPA 50308	EPA 80158	09/12/05	09/12/05	mb 0651214		
Surrogate: 4,4'-Trifluorotoluene	62.3 %			28-140 EPA 50308	EPA 80158	09/12/05	09/12/05	mb 0651214		
Mercury	ND	1	mg/kg	0.100 EPA 7471A	EPA 7471A	09/12/05	09/12/05	at 0651305		
Antimony	ND	1	mg/kg	10.0 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Arsenic	6.77	1	mg/kg	1.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Barium	198	1	mg/kg	1.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Beryllium	ND	1	mg/kg	1.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Cadmium	ND	1	mg/kg	1.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Chromium	27.2	1	mg/kg	1.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Cobalt	14.7	1	mg/kg	1.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Copper	38.5	1	mg/kg	1.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Lead	13.4	1	mg/kg	1.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Molybdenum	ND	1	mg/kg	0.500 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Nickel	20.7	1	mg/kg	2.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Selenium	ND	1	mg/kg	1.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Silver	ND	1	mg/kg	1.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Thallium	ND	1	mg/kg	1.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Vanadium	51.5	1	mg/kg	1.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Zinc	81.8	1	mg/kg	5.00 EPA 30508	EPA 60108	09/12/05	09/12/05	at 0651308		
Analysis	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
C13 - C22	ND			1 mg/kg	10.0	EPA 35508	EPA 80158	09/12/05	09/12/05	at 0651222
C23 - C31	ND			1 mg/kg	100	EPA 35508	EPA 80158	09/12/05	09/12/05	at 0651222

OWNERS PROPERTY, CUDAHY CITY PARK



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

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Ugalde Trucking Co., Inc.
 2336 N. Batavia St.
 Orange, CA 92665

File #: 73795
 Reported: 09/13/05 12:11
 Submitted: 09/12/05
 PLS Report No.: 5090061

Attn: Dan Ugalde

Phone: (714) 282-8012 FAX: (714) 282-8532

Project: Cudahy City Park

Sample ID:	Ramona Grab Sep. 8" from Grade	Soil	(5090061-01)	Sampled:09/12/05 07:05	Received:09/12/05 07:20					
Asphaltene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
4-Chlorophenol	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Hexachlorobutadiene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
4-Chloro-3-methylphenol	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Hexachlorocyclopentadiene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
2,4,6-Trichlorophenol	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
2,4,5-Trichlorophenol	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
2-Chloronaphthalene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
2-Nitrobenzene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Acenaphthylene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Dimethyl phthalate	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
2,6-Dinitrotoluene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Acenaphthene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
3-Nitroaniline	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
2,4-Dinitrophenol	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
2,4-Dichlorophenol	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Dibenzofuran	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
2-Dinitrotoluene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
4-Nitrophenol	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Fluorene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
4-Chlorophenyl phenyl ether	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Diethyl phthalate	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
4-Nitroaniline	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
4,6-Dinitro-2-methylphenol	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
8-Nitroazobenzene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
1,2-Diphenylhydrazine	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
4-Bromophenyl phenyl ether	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Hexachlorobenzene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Perchlorobiphenyl	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Phenanthrene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Anthracene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Di-n-butyl phthalate	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Fluoranthene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Benzo(a)pyrene	ND	1	ug/kg	4000	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Pyrene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Butyl benzyl phthalate	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
3,3'-Dichlorobenzidine	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Benzo (a) anthracene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Chrysene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
BaP (2,3,7,8-tetrahydro)	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Di-n-octyl phthalate	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Benzo (f) fluoranthene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Benzo (k) fluoranthene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Benzo (i) pyrene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Indeno (1,2,3-cd) pyrene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Dibenz (ah) anthracene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Benzo (ghi) perylene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
2-Methylanthracene	ND	1	ug/kg	200	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Sumpter: 2-Fluoranthene	49.8 %		ug/g	30-99	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303
Sumpter: Phenanthrene	47.2 %		ug/g	30-99	EPA 3550B	EPA 8270C	09/12/05	09/12/05	u	0513.303

WIN 2016 3-1 PROPERLY CUDAHY FILE # 2

Certificate of Analysis

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 Ugalde Trucking Co., Inc.
 2336 N. Batavia St.
 Orange, CA 92665

 File #: 73795
 Reported: 09/13/05 12:11
 Submitted: 09/12/05
PLS Report No.: 5090061

Attn: Dan Ugalde

Phone: (714) 282-8012 FAX: (714) 282-8532

Project: Cudahy City Park

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch #131301 - EPA 50358										
Blank Prepared & Analyzed: 09/12/05										
Dichlorodifluoromethane	ND	4.00	ug/kg							
Chloromethane	ND	4.00	ug/kg							
Vinyl chloride	ND	4.00	ug/kg							
Bromomethane	ND	4.00	ug/kg							
Chloroethane	ND	4.00	ug/kg							
Trichlorofluoromethane	ND	4.00	ug/kg							
Acetone	ND	80.0	ug/kg							
Carbon disulfide	ND	40.0	ug/kg							
1,1-Dichloroethane	ND	4.00	ug/kg							
Methylene chloride	ND	20.0	ug/kg							
trans-1,2-Dichloroethene	ND	4.00	ug/kg							
1,1-Dichloroethene	ND	40.0	ug/kg							
Vinyl acetate	ND	4.00	ug/kg							
2,2-Dichloropropane	ND	4.00	ug/kg							
cis-1,2-Dichloroethene	ND	40.0	ug/kg							
2-Butanone	ND	4.00	ug/kg							
Bromochloromethane	ND	4.00	ug/kg							
Chloroform	ND	4.00	ug/kg							
1,1,1-Trichloroethane	ND	4.00	ug/kg							
Carbon tetrachloride	ND	4.00	ug/kg							
1,1-Dichloropropene	ND	2.00	ug/kg							
Benzene	ND	4.00	ug/kg							
1,2-Dichloroethane	ND	4.00	ug/kg							
Trichloroethene	ND	4.00	ug/kg							
1,2-Dichloropropane	ND	4.00	ug/kg							
Dibromomethane	ND	4.00	ug/kg							
Bromodichloromethane	ND	40.0	ug/kg							
2-Chloroethyl vinyl ether	ND	4.00	ug/kg							
cis-1,1-Dichloropropene	ND	40.0	ug/kg							
4-Methyl-2-pentanone	ND	2.00	ug/kg							
Toluene	ND	4.00	ug/kg							
trans-1,3-Dichloropropene	ND	4.00	ug/kg							
1,1,2-Trichloroethane	ND	4.00	ug/kg							
Tetrachloroethene	ND	4.00	ug/kg							
1,3-Dichloropropene	ND	40.0	ug/kg							
2-Pentanone	ND	4.00	ug/kg							
Dibromochloromethane	ND	4.00	ug/kg							
1,2-Dibromomethane (BDE)	ND	4.00	ug/kg							
Chlorobenzene	ND	4.00	ug/kg							
1,1,1,2-Tetrachloroethane	ND	4.00	ug/kg							

CUDAHY PROPERTY CUDAHY FILE NO. 2

Certificate of Analysis

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 Ugalde Trucking Co., Inc.
 2326 N. Batavia St.
 Orange, CA 92665

 File #: 73795
 Reported: 09/13/05 12:11
 Submitted: 09/12/05
PLS Report No.: 5090061

Attn: Dan Ugalde

Phone: (714) 282-8012 FAX: (714) 282-8532

Project: Cudahy City Park

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	Limit	Qualifier
Batch 8151301 - EPA 50358										
Ethylbenzene	ND	2.00	ug/hg							
m,p-Xylene	ND	2.00	ug/hg							
o-Xylene	ND	2.00	ug/hg							
Styrene	ND	4.00	ug/hg							
Bromoform	ND	4.00	ug/hg							
Isopropylbenzene	ND	4.00	ug/hg							
Bromobenzene	ND	4.00	ug/hg							
1,1,2,2-Tetrachloroethane	ND	4.00	ug/hg							
1,2,2-Trichloropropane	ND	4.00	ug/hg							
n-Propylbenzene	ND	4.00	ug/hg							
2-Chlorotoluene	ND	4.00	ug/hg							
4-Chlorotoluene	ND	4.00	ug/hg							
1,3,5-Trimethylbenzene	ND	4.00	ug/hg							
tert-Butylbenzene	ND	4.00	ug/hg							
1,2,4-Trimethylbenzene	ND	4.00	ug/hg							
sec-Butylbenzene	ND	4.00	ug/hg							
1,3-Dichlorobenzene	ND	4.00	ug/hg							
4-Isopropyltoluene	ND	4.00	ug/hg							
1,4-Dichlorobenzene	ND	4.00	ug/hg							
1,2-Dichlorobenzene	ND	4.00	ug/hg							
n-Butylbenzene	ND	4.00	ug/hg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.00	ug/hg							
1,2,4-Trichlorobenzene	ND	4.00	ug/hg							
Hexachlorobutadiene	ND	4.00	ug/hg							
Naphthalene	ND	4.00	ug/hg							
1,2,3-Trichlorobenzene	ND	4.00	ug/hg							
Methyl tert-butyl ether	ND	4.00	ug/hg							
1,4-Dioxane	ND	80.5	ug/hg							
Tert-butyl alcohol	ND	4.00	ug/hg							
Di-isopropyl ether	ND	4.00	ug/hg							
Ethyl tert-butyl ether	ND	4.00	ug/hg							
Tert amyl methyl ether	ND	4.00	ug/hg							
Sunquest - Dibromofluoromethane	3.49		ug/hg	10.0		94.9	54-150			
Sunquest - Toluene-d8	3.87		ug/hg	10.0		96.1	69-121			
Sunquest - 4-Bromofluorobenzene	10.3		ug/hg	10.0		102	72-138			
LCS Prepared & Analyzed: 09/12/05										
1,1-Dichloroethane	19.6	4.00	ug/hg	20.0		98.0	65-148			
Benzene	19.9	2.00	ug/hg	20.0		99.5	81-130			
Tetrachloroethane	20.2	4.00	ug/hg	20.0		100	75-138			
Toluene	20.2	2.00	ug/hg	20.0		102	73-139			
Chlorobenzene	20.9	4.00	ug/hg	20.0		104	77-137			



Certificate of Analysis

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Ugalde Trucking Co., Inc.
2336 N. Batavia St.
Orange, CA 92865

File #: 73795
Reported: 09/13/05 12:11
Submitted: 09/12/05
PLS Report No.: 5090061

Attn: Dan Ugalde

Phone: (714) 282-8012 FAX: (714) 282-8532

Project: Cudahy City Park

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch B151301 - EPA 50358										
Methyl tert-butyl ether	19.4	4.00	ug/kg	20.0		97.0	51-146			
Surrogate: Dibromofluoromethane	9.44		ug/kg	10.0		94.4	63-138			
Surrogate: Toluene-d8	10.0		ug/kg	10.0		100	81-116			
Surrogate: 4-bromofluorobenzene	9.90		ug/kg	10.0		99.0	75-120			
LCS Dup Prepared & Analyzed: 09/12/05										
1,1-Dichloroethene	19.0	4.00	ug/kg	20.0		95.0	65-148	3.11	20	
Benzene	20.6	2.00	ug/kg	20.0		103	81-130	3.46	20	
Trichloroethene	20.3	4.00	ug/kg	20.0		102	75-138	1.98	20	
Toluene	19.5	2.00	ug/kg	20.0		95.0	73-139	2.99	20	
Chlorobenzene	21.1	4.00	ug/kg	20.0		106	77-137	1.90	20	
Methyl tert-butyl ether	23.2	4.00	ug/kg	20.0		116	51-146	17.8	20	
Surrogate: Dibromofluoromethane	9.78		ug/kg	10.0		97.8	63-138			
Surrogate: Toluene-d8	9.69		ug/kg	10.0		98.9	81-116			
Surrogate: 4-bromofluorobenzene	9.76		ug/kg	10.0		97.6	75-120			

Batch B151303 - EPA 35508

Blank Prepared: 09/12/05 Analyzed: 09/13/05

N-Nitrosodimethylamine	ND	200	ug/kg							
Pyridine	ND	200	ug/kg							
Aniline	ND	1000	ug/kg							
Bis(2-chloroethyl)ether	ND	200	ug/kg							
Phenol	ND	200	ug/kg							
2-Chlorophenol	ND	200	ug/kg							
1,3-Dichlorobenzene	ND	200	ug/kg							
1,4-Dichlorobenzene	ND	200	ug/kg							
1,2-Dichlorobenzene	ND	200	ug/kg							
Benzyl alcohol	ND	200	ug/kg							
Bis(2-chloroisopropyl)ether	ND	200	ug/kg							
3-Methylphenol	ND	200	ug/kg							
Hexachlorocyclopentadiene	ND	200	ug/kg							
N-Nitrosodipropylamine	ND	200	ug/kg							
4-Methylphenol	ND	200	ug/kg							
Nitrobenzene	ND	200	ug/kg							
Topoquinone	ND	200	ug/kg							
2-Nitrophenol	ND	200	ug/kg							
2,4-Dimethylphenol	ND	200	ug/kg							
Bis(2-chloroethoxy)methane	ND	200	ug/kg							
Benzoic acid	ND	2000	ug/kg							
1,2,4-Trichlorobenzene	ND	200	ug/kg							
Naphthalene	ND	200	ug/kg							
4-Chloroaniline	ND	200	ug/kg							

PROPERTY CUDAHY FILM

Certificate of Analysis

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 Upgrade Trucking Co., Inc.
 2335 N. Batavia St.
 Orange, CA 92665

 File # 73795
 Reported: 09/13/05 12:11
 Submitted: 09/12/05
PLS Report No.: 5090061

Attn: Dan Upgrade

Phone: (714) 262-8012 FAX: (714) 262-8532

Project: Cudahy City Park

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch 8556360 - EPA 85566										
Hexachlorobenzene	ND	200	ug/kg							
4-Chloro-2-methylphenol	ND	200	ug/kg							
Hexachlorocyclopentadiene	ND	200	ug/kg							
2,4-Dichlorophenol	ND	200	ug/kg							
2,4,6-Trichlorophenol	ND	200	ug/kg							
2-Chloromethylphenol	ND	200	ug/kg							
2-Chloromethylbenzene	ND	200	ug/kg							
2-Nitrotoluene	ND	200	ug/kg							
Acenaphthylene	ND	200	ug/kg							
Dibenzofuran	ND	200	ug/kg							
2,4-Dinitrotoluene	ND	200	ug/kg							
Acenaphthene	ND	200	ug/kg							
Nitrobenzene	ND	200	ug/kg							
2,4-Dichlorophenol	ND	200	ug/kg							
2,4-Dinitrophenol	ND	200	ug/kg							
Dibenzofuran	ND	200	ug/kg							
2,4-Dinitrotoluene	ND	200	ug/kg							
4-Nitrophenol	ND	200	ug/kg							
Fluorene	ND	200	ug/kg							
4-Chlorophenyl phenyl ether	ND	200	ug/kg							
Diethyl phthalate	ND	200	ug/kg							
4-Nitroanisole	ND	200	ug/kg							
4,6-Dinitro-2-methylphenol	ND	200	ug/kg							
N-Nitrosodiphenylamine	ND	200	ug/kg							
1,2-Diphenylhydrazine	ND	200	ug/kg							
4-Bromophenyl phenyl ether	ND	200	ug/kg							
Hexachlorobenzene	ND	200	ug/kg							
Hexachlorophenol	ND	200	ug/kg							
Hexachlorocyclopentadiene	ND	200	ug/kg							
Anthracene	ND	200	ug/kg							
D-n-butyl phthalate	ND	200	ug/kg							
Fluorene	ND	200	ug/kg							
Benzo(a)anthracene	ND	4000	ug/kg							
Pyrene	ND	200	ug/kg							
Butyl butyl phthalate	ND	200	ug/kg							
3,3'-Dichlorobenzidine	ND	200	ug/kg							
Benzo(a)anthracene	ND	200	ug/kg							
Chrysene	ND	200	ug/kg							
Bis(2-ethylhexyl)phthalate	ND	200	ug/kg							
D-n-octyl phthalate	ND	200	ug/kg							
Benzo(b)fluoranthene	ND	200	ug/kg							
Benzo(k)fluoranthene	ND	200	ug/kg							

BOWZALE'S PROPERTY, CUDAHY EILCA-2

Certificate of Analysis

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 Ugalde Trucking Co., Inc.
 2336 N. Batavia St.
 Orange, CA 92865

 File #: 73795
 Reported: 09/13/05 12:11
 Submitted: 09/12/05
PLS Report No.: 5090061

Attn: Dan Ugalde

Phone: (714) 282-8012 FAX: (714) 282-8532

Project: Cudahy City Park

Sample ID	Ramona Grab Sep. 8" from Grade	Soil	(5090061-01)	Sampled: 09/12/05 07:05	Received: 09/12/05 07:30					
Surrogate: Nitrobenzene-d5	48.8 %		39-113	EPA 3550B	EPA 8270C	09/12/05	09/12/05	at	09/13/05	
Surrogate: 2-Fluorobiphenyl	54.4 %		41-114	EPA 3550B	EPA 8270C	09/12/05	09/12/05	at	09/13/05	
Surrogate: 2,4,6-Tribromophenol	46.0 %		43-107	EPA 3550B	EPA 8270C	09/12/05	09/12/05	at	09/13/05	
Surrogate: Terphenyl-dH	56.8 %		38-125	EPA 3550B	EPA 8270C	09/12/05	09/12/05	at	09/13/05	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
C3 - C12	ND		1	mg/kg	0.500	EPA 5030B	EPA 8015B	09/12/05	09/12/05	mb
Surrogate: 4,4'-Difluorobiphenyl	62.3 %		38-140	EPA 5030B	EPA 8015B	09/12/05	09/12/05	mb	09/12/05	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
C13 - C22	ND		1	mg/kg	10.0	EPA 3550B	EPA 8015B	09/12/05	09/12/05	ik
C33 - C32	ND		1	mg/kg	100	EPA 3550B	EPA 8015B	09/12/05	09/12/05	ik
Surrogate: m-Tetrachloro	91.0 %		51-150	EPA 3550B	EPA 8015B	09/12/05	09/12/05	ik	09/12/05	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aroclor-1816	ND		1	ug/kg	50.0	EPA 3550B	EPA 8082	09/12/05	09/12/05	ik
Aroclor-1221	ND		1	ug/kg	50.0	EPA 3550B	EPA 8082	09/12/05	09/12/05	ik
Aroclor-1232	ND		1	ug/kg	50.0	EPA 3550B	EPA 8082	09/12/05	09/12/05	ik
Aroclor-1242	ND		1	ug/kg	50.0	EPA 3550B	EPA 8082	09/12/05	09/12/05	ik
Aroclor-1248	ND		1	ug/kg	50.0	EPA 3550B	EPA 8082	09/12/05	09/12/05	ik
Aroclor-1254	ND		1	ug/kg	50.0	EPA 3550B	EPA 8082	09/12/05	09/12/05	ik
Aroclor-1260	ND		1	ug/kg	50.0	EPA 3550B	EPA 8082	09/12/05	09/12/05	ik
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	72.0 %		39-130	EPA 3550B	EPA 8082	09/12/05	09/12/05	ik	09/12/05	
Surrogate: Decachlorobiphenyl	78.6 %		28-117	EPA 3550B	EPA 8082	09/12/05	09/12/05	ik	09/12/05	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	10.0	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Arsenic	6.77		1	mg/kg	1.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Barium	198		1	mg/kg	1.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Cadmium	1.51		1	mg/kg	1.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Chromium	37.2		1	mg/kg	1.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Cobalt	14.7		1	mg/kg	1.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Copper	38.5		1	mg/kg	1.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Lead	13.4		1	mg/kg	0.500	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Molybdenum	ND		1	mg/kg	5.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Nickel	20.7		1	mg/kg	2.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Selenium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Vanadium	55.5		1	mg/kg	1.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Zinc	81.8		1	mg/kg	5.00	EPA 3050B	EPA 6010B	09/12/05	09/12/05	ij
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7671A	EPA 7671A	09/12/05	09/12/05	ij
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Asbestos	Attachment		1			Sub-Prep	Sub-Method	09/13/05	09/13/05	ij

60000 PROPERTY CUDAHY FILE# 2



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6172

Certificate of Analysis

Page 10 of 14

Ugalde Trucking Co., Inc.
 2336 N. Batavia St.
 Orange, CA 92865

File #: 73795
 Reported: 09/13/05 12:11
 Submitted: 09/12/05
 PLS Report No.: 5090061

Attn: Dan Ugalde

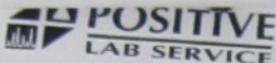
Phone: (714) 282-8012 FAX: (714) 282-8532

Project: Cudahy City Park

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Qualifier
Batch 8151303 - EPA 35508										
Benz(a) pyrene	ND	200	ug/kg							
Indeno(1,2,3-cd) pyrene	ND	200	ug/kg							
Dibenz(a,h) anthracene	ND	200	ug/kg							
Benz(b,h) perylene	ND	200	ug/kg							
2-Methylaphthalene	ND	200	ug/kg							
Surrogate: 2-Fluorophenol	4430		ug/kg	10000		44.3	36-96			
Surrogate: Phenol-d5	4470		ug/kg	10000		44.7	30-97			
Surrogate: Nitrobenzene-d5	2620		ug/kg	5000		52.4	34-115			
Surrogate: 2-Fluorobiphenyl	3230		ug/kg	5000		64.6	41-114			
Surrogate: 2,4,6-Tribromophenol	6870		ug/kg	10000		68.7	43-107			
Surrogate: Terphenyl-d4	4160		ug/kg	5000		83.2	38-125			
LCS Prepared & Analyzed: 09/12/05										
Phenol	1370	200	ug/kg	2500		54.8	43-95			
1,4-Dichlorobenzene	1510	200	ug/kg	2500		60.4	47-92			
1,1,4-Trichlorobenzene	1570	200	ug/kg	2500		62.8	46-102			
Acenaphthene	1660	200	ug/kg	2500		66.4	52-112			
Di-n-butyl phthalate	1770	200	ug/kg	2500		70.8	55-130			
Pyrene	1760	200	ug/kg	2500		70.4	58-148			
Surrogate: 2-Fluorophenol	6110		ug/kg	10000		61.1	36-96			
Surrogate: Phenol-d5	6000		ug/kg	10000		60.0	30-97			
Surrogate: Nitrobenzene-d5	2920		ug/kg	5000		58.6	34-115			
Surrogate: 2-Fluorobiphenyl	3270		ug/kg	5000		65.4	41-114			
Surrogate: 2,4,6-Tribromophenol	5550		ug/kg	10000		55.5	43-107			
Surrogate: Terphenyl-d4	3470		ug/kg	5000		69.4	38-125			
LCS Dup Prepared & Analyzed: 09/12/05										
Phenol	1500	200	ug/kg	2500		60.0	43-95	9.06	20	
1,4-Dichlorobenzene	1620	200	ug/kg	2500		64.8	47-92	7.03	20	
1,1,4-Trichlorobenzene	1650	200	ug/kg	2500		66.0	46-102	4.97	20	
Acenaphthene	1740	200	ug/kg	2500		69.6	52-112	4.71	20	
Di-n-butyl phthalate	1820	200	ug/kg	2500		72.8	55-130	2.79	20	
Pyrene	1770	200	ug/kg	2500		70.8	58-148	0.567	20	
Surrogate: 2-Fluorophenol	6360		ug/kg	10000		63.6	36-96			
Surrogate: Phenol-d5	6350		ug/kg	10000		63.5	30-97			
Surrogate: Nitrobenzene-d5	3020		ug/kg	5000		60.4	34-115			
Surrogate: 2-Fluorobiphenyl	3420		ug/kg	5000		68.4	41-114			
Surrogate: 2,4,6-Tribromophenol	6250		ug/kg	10000		62.5	43-107			
Surrogate: Terphenyl-d4	3380		ug/kg	5000		67.2	38-125			
Batch 8151214 - EPA 30308										
Blank Prepared & Analyzed: 09/12/05										
CS - C12	ND	0.500	mg/kg							

OWNER'S PROPERTY, CUDAHY FILE NO. 2



781 East Washington Blvd., Los Angeles, CA 90021
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Certificate of Analysis

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Ugalde Trucking Co., Inc.
2336 N. Batavia St.
Orange, CA 92865

File #: 73795
Reported: 09/13/05 12:11
Submitted: 09/12/05
PLS Report No.: 5090061

Attn: Dan Ugalde

Phone: (714) 282-8012 FAX: (714) 282-8532

Project: Cudahy City Park

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch B151214 - EPA 50300										
Sumgate: 2,4,5-Tetrachloro-m-xylene										
LCS Prepared & Analyzed: 09/12/05	0.0305		mg/kg	0.0300		102	38-140			
C1 - C12	0.932	0.500	mg/kg	0.910		102	64-134			
Matrix Spike Source: 5090061-01 Prepared & Analyzed: 09/12/05										
C1 - C12	0.807	0.500	mg/kg	0.910	ND	88.7	64-134			
Matrix Spike Dup Source: 5090061-01 Prepared & Analyzed: 09/12/05										
C1 - C12	0.734	0.500	mg/kg	0.910	ND	80.7	64-134	9.45	30	
Batch B151222 - EPA 35500										
Blank Prepared & Analyzed: 09/12/05										
C13 - C12	ND	10.0	mg/kg							
C13 - C12	ND	100	mg/kg							
Sumgate: n-Tetracosane										
LCS Prepared & Analyzed: 09/12/05	16.7		mg/kg	15.6		107	51-150			
C13 - C12	447	10.0	mg/kg	416		107	72-136			
Sumgate: n-Tetracosane										
LCS Dup Prepared & Analyzed: 09/12/05	15.6		mg/kg	15.6		101	54-138			
C13 - C12	394	10.0	mg/kg	416		94.7	72-136	12.2	25	
Sumgate: n-Tetracosane										
	14.0		mg/kg	15.6		89.7	54-138			
Batch B151221 - EPA 35500										
Blank Prepared & Analyzed: 09/12/05										
Aroclor-1016	ND	50.0	ug/kg							
Aroclor-1221	ND	50.0	ug/kg							
Aroclor-1230	ND	50.0	ug/kg							
Aroclor-1241	ND	50.0	ug/kg							
Aroclor-1248	ND	50.0	ug/kg							
Aroclor-1254	ND	50.0	ug/kg							
Aroclor-1260	ND	50.0	ug/kg							
Sumgate: 2,4,5,6 Tetrachloro-m-xylene										
	42.9		ug/kg	50.0		85.8	29-130			
Sumgate: Decachlorobiphenyl										
LCS Prepared & Analyzed: 09/12/05	55.9		ug/kg	50.0		112	28-117			
Aroclor-1260	348	50.0	ug/kg	312		112	53-147			
Sumgate: 2,4,5,6 Tetrachloro-m-xylene										
	44.5		ug/kg	50.0		89.0	51-126			
Sumgate: Decachlorobiphenyl										
LCS Dup Prepared & Analyzed: 09/12/05	57.8		ug/kg	50.0		116	20-149			
Aroclor-1260	367	50.0	ug/kg	312		118	55-147	6.72	30	
Sumgate: 2,4,5,6 Tetrachloro-m-xylene										
	40.3		ug/kg	50.0		81.0	51-126			
Sumgate: Decachlorobiphenyl										
	56.3		ug/kg	50.0		113	20-149			

GONZALES PROPERTY, CUDAHY FILE NO. 2

Certificate of Analysis

Page 12 of 14

 Ugalde Trucking Co., Inc.
 2336 N. Batavia St.
 Orange, CA 92865

 File #: 73795
 Reported: 09/13/05 12:11
 Submitted: 09/12/05
PLS Report No.: 5090061

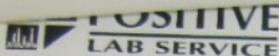
Attn: Dan Ugalde

Phone: (714) 282-8012 FAX: (714) 282-8532

Project: Cudahy City Park

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch 8151308 - EPA 3050B										
Blank Prepared & Analyzed: 09/12/05										
Antimony	ND	10.0	mg/kg							
Arsenic	ND	1.00	mg/kg							
Barium	ND	1.00	mg/kg							
Beryllium	ND	1.00	mg/kg							
Calcium	ND	1.00	mg/kg							
Chromium	10.8	1.00	mg/kg							
Cobalt	ND	1.00	mg/kg							
Copper	1.11	1.00	mg/kg							
Lead	ND	0.500	mg/kg							
Molybdenum	ND	5.00	mg/kg							
Nickel	36.1	2.00	mg/kg							
Selenium	ND	1.00	mg/kg							
Silver	ND	1.00	mg/kg							
Thallium	ND	1.00	mg/kg							
Vanadium	ND	1.00	mg/kg							
Zinc	ND	5.00	mg/kg							
LCS Prepared & Analyzed: 09/12/05										
Antimony	51.5	10.0	mg/kg	50.3		102	60-140			
Arsenic	210	1.00	mg/kg	199		106	80-120			
Barium	208	1.00	mg/kg	201		103	80-120			
Beryllium	5.06	1.00	mg/kg	4.99		101	80-120			
Calcium	5.10	1.00	mg/kg	5.00		102	80-120			
Chromium	22.0	1.00	mg/kg	20.2		109	80-120			
Cobalt	50.5	1.00	mg/kg	50.1		101	80-120			
Copper	26.5	1.00	mg/kg	25.0		106	80-120			
Lead	52.9	0.500	mg/kg	50.2		105	80-120			
Molybdenum	51.6	5.00	mg/kg	50.0		103	80-120			
Nickel	75.1	2.00	mg/kg	50.0		150	80-120			
Selenium	190	1.00	mg/kg	201		94.5	80-120			
Silver	5.28	1.00	mg/kg	5.01		105	80-120			
Thallium	204	1.00	mg/kg	200		102	80-120			
Vanadium	47.8	1.00	mg/kg	50.1		95.4	80-120			
Zinc	53.0	5.00	mg/kg	49.6		107	80-120			
Matrix Spike Source: 5090061-01 Prepared & Analyzed: 09/12/05										
Antimony	47.2	10.0	mg/kg	50.3	ND	93.8	60-140			
Arsenic	218	1.00	mg/kg	199	6.77	106	75-125			
Barium	400	1.00	mg/kg	201	198	100	75-125			
Beryllium	5.43	1.00	mg/kg	4.99	0.426	101	75-125			
Calcium	6.96	1.00	mg/kg	5.00	1.51	109	75-125			



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Certificate of Analysis

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Ugalde Trucking Co., Inc.
2336 N. Batavia St.
Orange, CA 92865

File #: 73795
Reported: 09/13/05 12:11
Submitted: 09/12/05
PLS Report No.: 5090061

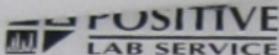
Attn: Dan Ugalde

Phone: (714) 282-8012 FAX: (714) 282-8532

Project: Cudahy City Park

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch B151308 - EPA 3050B										
Chromium	49.0	1.00	mg/kg	20.2	27.2	108	75-125			
Cobalt	64.1	1.00	mg/kg	50.1	14.7	98.6	75-125			
Copper	69.6	1.00	mg/kg	25.0	38.5	124	75-125			
Lead	66.5	0.500	mg/kg	50.2	13.4	106	75-125			
Molybdenum	54.9	5.00	mg/kg	50.0	2.21	105	75-125			
Nickel	71.7	2.00	mg/kg	50.0	20.7	102	75-125			
Selenium	195	1.00	mg/kg	201	ND	57.0	75-125			
Silver	5.68	1.00	mg/kg	5.01	ND	113	75-125			
Thallium	209	1.00	mg/kg	200	ND	104	75-125			
Vanadium	103	1.00	mg/kg	50.1	51.5	103	75-125			
Zinc	131	5.00	mg/kg	49.6	81.8	99.2	75-125			
Matrix Spike Dup Source: 5090061-01 Prepared & Analyzed: 09/12/05										
Antimony	42.4	10.0	mg/kg	50.3	ND	84.3	60-140	10.7	30	
Arsenic	207	1.00	mg/kg	199	6.77	101	75-125	4.83	30	
Barium	398	1.00	mg/kg	201	198	99.5	75-125	0.501	30	
Beryllium	5.24	1.00	mg/kg	4.99	0.426	96.5	75-125	4.56	30	
Cadmium	6.71	1.00	mg/kg	5.00	1.51	104	75-125	4.69	30	
Chromium	46.9	1.00	mg/kg	20.2	27.2	97.5	75-125	10.2	30	
Cobalt	61.9	1.00	mg/kg	50.1	14.7	94.2	75-125	4.56	30	
Copper	66.2	1.00	mg/kg	25.0	38.5	111	75-125	11.1	30	
Lead	63.2	0.500	mg/kg	50.2	13.4	99.2	75-125	6.63	30	
Molybdenum	51.3	5.00	mg/kg	50.0	2.21	98.2	75-125	6.69	30	
Nickel	69.7	2.00	mg/kg	50.0	20.7	98.0	75-125	4.00	30	
Selenium	186	1.00	mg/kg	201	ND	92.5	75-125	4.75	30	
Silver	5.36	1.00	mg/kg	5.01	ND	107	75-125	5.45	30	
Thallium	199	1.00	mg/kg	200	ND	99.5	75-125	4.42	30	
Vanadium	100	1.00	mg/kg	50.1	51.5	96.8	75-125	6.21	30	
Zinc	128	5.00	mg/kg	49.6	81.8	93.1	75-125	6.34	30	
Batch B151305 - EPA 7471A										
Blank Prepared & Analyzed: 09/12/05										
Mercury	ND	0.100	mg/kg							
LCS Prepared & Analyzed: 09/12/05										
Mercury	0.566	0.100	mg/kg	0.500		113	80-120			
Matrix Spike Source: 5090061-01 Prepared & Analyzed: 09/12/05										
Mercury	0.610	0.100	mg/kg	0.500	0.0579	110	70-130			
Matrix Spike Dup Source: 5090061-01 Prepared & Analyzed: 09/12/05										
Mercury	0.641	0.100	mg/kg	0.500	0.0579	117	70-130	6.17	20	



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Certificate of Analysis

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Ugalde Trucking Co., Inc.
2336 N. Batavia St.
Orange, CA 92865

Attn: Dan Ugalde

Phone: (714) 282-8012 FAX: (714) 282-8532

File #: 73795

Reported: 09/13/05 12:11

Submitted: 09/12/05

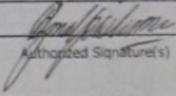
PLS Report No.: 5090061

Project: Cudahy City Park

Notes and Definitions

NA Not Applicable
ND Analyte NOT DETECTED at or above the detection limit
NR Not Reported
MDL Method Detection Limit
PQL (RL) Practical Quantitation Limit (RL)

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138


Authorized Signature(s)



Department of Toxic Substances Control



Alan C. Lloyd, Ph.D.
Agency Secretary
CalEPA

1011 North Grandview Avenue
Glendale, California 91201

Arnold Schwarzenegger
Governor

Certified # 7002 0860 0000 1898 0562

June 17, 2005

MSA:	00-T2167
Agreement No.:	04-T2864
Site Name:	Cudahy Park Residential
Work Order:	No 3-864-1.0-301169
Scope of Work Title:	Excavation and Soil Disposal

Mr. Lance Bushnell
Performance Excavators, Inc.
103 Shoreline Parkway, 2nd Floor
San Rafael, California 94901

START WORK ORDER

Dear Mr. Bushnell:

In accordance with this Agreement, enclosed are a Work Order Approval Form and Work Order to conduct Removal Action for Cudahy Park Residential Site. This letter serves as the Contractor's authorization to commence work within five (5) days of the date of this letter. Work Order deliverables shall be provided in accordance with the schedule in Attachment A.

The Project Manager for this Work Order is Ms. Chand Sultana and should be contacted at (818) 551-2962 for further information.

Sincerely,

Sayarah Amir, Chief
Southern California Cleanup Operations Branch - Glendale Office

Enclosures

cc: See next page

Printed on Recycled Paper

CONZALE'S PROPERTY, CUDAHY PARK

WORK ORDER
CUDAHY PARK RESIDENTIAL - GONZALES PROPERTY
Los Angeles County

Mr. Skip Fiedler
Performance Excavators, Inc.
103 Shoreline Parkway, 2nd Floor
San Rafael, California 94901
(415) 716-0216

Regional Section: 3
Contract Manager: Sayarah Amir
Project Manager: Chand Sultana
(818) 551-2962

Work Order No: 3-864-1.0-301169

Contract No.: 04-T2864
Fund Source: Remediation Account
Work Order Description: Excavation
and Soil Disposal

I. WORK ORDER DESCRIPTION

The function of this Work Order is for Performance Excavators, Inc. (Contractor) to provide personnel, services, materials and equipment necessary to conduct Excavation and Soil Disposal at Cudahy Park Residential (Gonzales Property next to school), Gonzales Property Site, located at 5256 and 5260 Elizabeth Street in the City of Cudahy, Los Angeles County, California. All work performed shall be in accordance with this Work Order and Master Services Agreement Number MSA 00-T2167 (Contract). This Work Order shall include the following tasks:

TASK 1 - PLANNING

Subtask 1a: Site Visit and Coordination Meetings
Subtask 1b: Implementing Offsite Excavation on Gonzales Property

TASK 2 - IMPLEMENTATION

Subtask 2a: Geophysical Survey
Subtask 2b: Site Survey
Subtask 2c: Permit(s) Procurement
Subtask 2d: In-situ Waste Characterization
Subtask 2e: Import Backfill Material Sampling
Subtask 2f: Mobilization and Set-up
Subtask 2g: Stabilization
Subtask 2h: Excavate and Conduct Sampling
Subtask 2i: Haul and Dispose Waste
Subtask 2j: Place Import Backfill

TASK 3 - CLOSEOUT PROJECT

Subtask 3a: Site Restoration
Subtask 3b: Site Cleanup and Demobilization
Subtask 3c: Prepare Implementation Report for Excavation

GONZALES PROPERTY, CUDAHY FILE

GENERAL REQUIREMENTS OF THE WORK ORDER

This Work Order is issued under the authority of the Contract between the Contractor and the Department of Toxic Substances Control (DTSC). The terms and conditions of the Contract shall govern the execution of this Work Order and this document shall become part of the Contract upon issuance. Attachments A (Specifications of Work Ordered) and Attachment B (Pricing Schedule), are hereby incorporated into this Work Order by reference.

This Work Order shall be implemented by the Contractor upon receipt of the Start Work Order issued by the Contract Manager and an approved Work Order Approval Form in accordance with the requirements and schedule(s) specified therein. Work on the Work Order shall be immediately altered upon receipt of an Amendment or a Field Order, in accordance with Exhibit A, Section 4.B (Amendment of Work Order) or curtailed upon receipt of a Cancellation of Work Orders, in accordance with Section 4.C (Cancellation of Work Orders) of the Contract, issued by the Contract Manager.

The Project Manager shall supervise and approve all work required/performed according to this Work Order. The Project Manager may make minor change(s) to the Work Order without issuing a Field Order provided that the change(s) do not involve modifications to the unit price and/or the Work Order amount, quantity, type, quality or delivery schedule in accordance with Section 4.B (Amendment of Work Orders) of the Contract. If substantial change(s) to the Work Order is necessary, the Contract Manager will issue an amendment to the original Work Order. If the Contractor fails to notify the Contract Manager, or his designee, that the cost of work performed, will exceed maximums allowed in the Work Order before such costs are incurred, the Contract Manager may determine that the Contractor has acted as a "volunteer" in rendering those services and is not entitled to additional payment.

Actual reimbursement under this Work Order shall be based on Contract bid rates for time expended, travel expenses when authorized, and any other type of authorized expenses not included in the Contract bid rates up to the maximums for tasks, subcontractors, and other direct costs set forth in the Pricing Schedule (Attachment B) documented in invoices submitted by the Contractor in accordance with Exhibit B, Section B (Payments) of the Contract and approved by the Contract Manager.

Items, services or equipment for which no contractual rates exist shall require a Work Order specific amendment using a Field Order form with documentation and justification. The Contractor shall procure needed equipment, services and goods in compliance with all applicable State procurement requirements or as directed by the Contract Manager and Exhibit B, Section B (Payments) of the Contract. Any final decision on the pricing of a Work Order specific Field Order resides with the Contract Manager.

For all items for which a bid rate has not been established in the Contract, the Contractor shall be reimbursed for the actual costs incurred plus negotiated markup.

GONZALES PROPERTY, CUDAHY, CALIF.

In accordance with Exhibit B Section B (2) of the Contract, DTSC will make monthly payments for work completed less ten percent retention; DTSC will make 100% payment upon approval of all work constituting a Task.

II. EXECUTION OF WORK ORDER

In accordance with the terms and conditions of this Contract, the requirements of this Work Order and the date(s) specified in the Start Work Order, the Contractor is hereby ordered to commence work.

III. SCHEDULE OF WORK ORDER

The term of this Work Order shall be through December 30, 2005.

60021125 PROPERTY, CUDAHY FILE

ATTACHMENT A
Specifications of Work Ordered
Cudahy Park Residential - Gonzales Property next to School
MSA 00-T2167 - Work Order No. 3-864-1.0-301169

I. **WORK ORDERED**

A. Site Description

The Gonzales Residential Site (Site) is comprised of approximately one acre and is located at 5256 and 5260 Elizabeth Street in the City of Cudahy, Los Angeles County, California. According to historical records, it appears that landfill activities were conducted from approximately 1934 to 1960 at the Site. The former Steepleton Landfill consisted of a glass recycling facility, a large waste impoundment area, and an open-access dump. A RAW was completed for the Cudahy Park Site. The contamination at the Cudahy Park Residential Site is an extension of the contamination identified at the Park Site. All work at the Cudahy Park Residential Site - Gonzales Property should be conducted in accordance with the approved RAW for the Cudahy Park Site.

Contaminants in Site soil include metals, volatile organic compounds (VOCs), and polycyclic aromatic hydrocarbons (PAHs).

The chosen remedy includes the removal of subsurface soil in selected areas across the site, backfill the excavation and site restoration.

B. Site Activities

To achieve the project objectives, Contractor shall perform the following tasks:

TASK 1 - PLANNING

Subtask 1a: Site Visit and Coordination Meeting

Contractor shall conduct a site visit and examine all relevant documents to scope the area of excavation, identify potential staging areas, become familiar with the existing Site conditions and any difficulties which will interfere with the execution of the Tasks included in this Scope of Work.

Subtask 1b: Implementing Excavation on Gonzales Property

Contractor shall present details and a schedule for the excavation of surface and subsurface soil, backfilling, and re-grading of the Site. The Health and Safety Plan (HASP) in compliance with CCR title 8 and 29 CFR shall be same as prepared for the Cudahy City Park site will be used for this Site.

TASK 2 - IMPLEMENTATION

Subtask 2a: Geophysical Survey

Contractor shall be responsible for clearance of remaining utilities and other hazardous underground obstacles including but not limited to water, electrical, gas and sewer lines.

GONZALES PROPERTY, CUDAHY, CA 90230

Subtask 2b: Site Survey

Contractor shall conduct a site survey with a licensed surveyor, if necessary.

Subtask 2c: Permit(s) Procurement

Contractor shall obtain necessary permits prior to conducting the work.

Subtask 2d: In-situ Waste Characterization

Contractor shall conduct in-situ characterization of waste material per landfill disposal requirements prior to start of RAW implementation. Prior to soil excavation Contractor shall determine the hazardous waste characterization of the soil determined by use of the WET method. In-situ soil samples will be obtained and collected in the proposed areas of excavation and the results will determine how the soil shall be disposed.

Subtask 2e: Import Backfill Material Sampling

Contractor shall obtain samples of backfill material to be imported prior to site backfilling activities according to DTSC's guidance "Information Advisory Clean Imported Fill Material".

Subtask 2f: Mobilization and Set-up

Contractor shall provide and mobilize at the Site, personnel, services, material, and equipment necessary to conduct excavation work at the Site. Mobilization activities include bringing heavy equipment on-site, establishing temporary support facilities and site controls, and preparing the truck staging and decontamination area. All equipment brought to the Site shall be clean and in good working condition. Prior to the start of field work, fencing shall be installed around the active portions of the remediation, as needed; all utilities shall be located, marked, and, if needed, shut-off; and the initial excavation areas shall be cleared. Contractor shall implement measures necessary to control erosion which include stabilizing the construction entrance, constructing a silt fence, sandbagging, and dust control.

Subtask 2g: Stabilization

Site stabilization shall be performed as necessary.

Subtask 2h: Excavate and Conduct Sampling

Contractor shall excavate the areas of concern and hotspots down to 8 feet below ground surface as indicated in the "Preliminary Endangerment Assessment Report" (PEA) prepared by Hydrologue Inc. Confirmatory soil sampling shall be conducted for the purpose of post-excavation risk assessment and to determine if the goals of excavation have been met.

Subtask 2i: Haul and Dispose Waste

Contractor shall oversee the transportation and disposal of contaminated soil into appropriate landfill destination.

GONZALES PROPERTY, CUDAHY, CA

Subtask 2i: Place Import Backfill

Place Import Backfill - Contractor shall place import backfill verified as clean according to the attached DTSC Guidance "Information Advisory Clean Imported Fill Material". The Site shall be re-graded, soil compacted according to the specifications listed in the approved RAW.

TASK 3 - CLOSEOUT PROJECT

Subtask 3a: Site Restoration

Contractor shall replace fence and reconstruct pavements.

Subtask 3b: Site Cleanup and Demobilization

Contractor shall conduct site cleanup and demobilization at the completion of the excavation field work.

Subtask 3c: Prepare Implementation Report for Excavation

At the completion of the project, the contractor shall provide a report that summarizes the project activities in the format shown below:

Report Format

Section A: Introduction

1. Site History and Description

- a) Site Location
- b) Background
- c) Site History

2. Selected Remedy

- a) Volume Excavated
- b) Disposal Facility

Section B: Construction Activities

- a) Sub-Contractors
- b) Restoration

GONZALES PROPERTY, CUDAHY FLD.

II. SCHEDULE

TASK	SUBTASK	DESCRIPTION/DELIVERABLE	SCHEDULE
1		PLANNING	
	1a	Site Visit and Coordination Meetings	Within 5 days of DTSC's Work Order approval
	1b	Schedule for excavation/H&S plan	Within 10 days of DTSC's Work Order approval
2		IMPLEMENTATION	
	2a	Geophysical Survey for Utilities	Within 10 days of DTSC's Work Order approval
	2b	Site Survey (with licensed surveyor, if necessary)	Within 10 days of DTSC's Work Order approval
	2c	Permit(s) Procurement	Within 15 days of DTSC's Work Order approval
	2d	In-situ Waste Characterization	Within 20 days of DTSC's Work Order approval
	2e	Import Backfill Material Sampling	Within 20 days of DTSC's Work Order approval
	2f	Mobilization and Site Set-up	Within 30 days of DTSC's Work Order approval
	2g	Stabilization	Within 5 days of Mobilization
	2h	Excavate and Conduct Sampling	Within 10 days of Mobilization
	2i	Haul and Dispose Waste	Within 10 days of Mobilization
	2j	Place Import Backfill	Within 10 days of Excavation
3		CLOSEOUT PROJECT	
	3a	Site Restoration	Within 20 days of Backfill
	3b	Site Cleanup and Demobilization	Within 10 days of Restoration
	3c	Implementation Report	Within 15 days of Cleanup

GONZALES PROPERTY, CUDAHY FILE NO. 2



Lloyd, Ph.D.
by Secretary
of EPA

Department of Toxic Substances Control

1001 T Street
P.O. Box 806
Sacramento, California 95812-0806



Arnold Schwarzenegger
Governor

MEMORANDUM

TO: Chand Sultana, Project Manager
Site Mitigation Program
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201

FROM: Gerald F. Chernoff, Ph.D. *GFC*
Staff Toxicologist
Human and Ecological Risk Division (HERD)

DATE: January 3, 2005

SUBJECT: Gonzales Property at 5256 and 5260 Elizabeth St., Cudahy
Response to Comments - Preliminary Endangerment Assessment Report
PCA: 17020 Site: 301169-17

Background

Per your request, the Human and Ecological Risk Division (HERD) has reviewed the Response to Comments on the Draft Preliminary Endangerment Assessment (PEA) Report. HERD previously reviewed the PEA Report for this site and presented the results in a memorandum from Gerald Chernoff to Chand Sultana, dated November 24, 2004. The conclusion of the memorandum was that before the PEA Report could be considered acceptable for risk assessment purposes, the highest concentrations of arsenic and polynuclear aromatic hydrocarbons (PAHs) must be included in the risk and hazard assessments. HERD also recommended step out sampling around HB-12 to further characterize the amount and extent of PAH contamination in this area. A response to HERD's comments on the PEA Report has been submitted to the Department of Toxic Substances Control (DTSC), and HERD has been asked to provide a review with comments. The purpose of this memorandum is to present HERD's review.

Documents Reviewed

"Response to DTSC Comments to Draft Preliminary Endangerment Assessment Report for the Gonzales Property, 5256 & 5260 Elizabeth Street, Cudahy, California", prepared for the Department of Toxic Substances Control by Hydrologues, Inc., dated December

14, 2004 (received at HERD on December 21, 2004).

Scope of Review

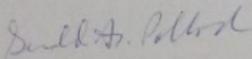
The document was reviewed for scientific content. Minor grammatical or typographical errors that do not affect the interpretation have not been noted. If inadequacies in the documents were encountered for the purposes of risk assessment, they are noted in the comments below. Any future changes or additions to the documents should be clearly identified.

Comment, Conclusion and Recommendation:

HERD's concerns with the draft PEA Report have been adequately addressed in the Response to Comments. HERD agrees that the necessary changes to the PEA may be included as an addendum, rather than revise the whole report. In addition, HERD agrees that the proposed step-out sampling around HB-12 may be conducted as part of a Supplemental Site Investigation. Once the addendum to the PEA report is received and reviewed, it should be found acceptable for risk assessment purposes. These comments are meant to be constructive and we hope they are useful. If you have additional questions please feel free to contact me at 916-255-6687 or e-mail gchemof@dtsc.ca.gov.

Reviewed by:

Gerald Pollock, Ph.D.
Senior Toxicologist, HERD



cc: Rita Kamat
Site Mitigation Branch
Department of Toxic Substances Control
1011 N. Grandview Ave
Glendale, CA 91201



Department of Toxic Substances Control



Winston H. Hickox
Agency Secretary
California Environmental
Protection Agency

Edwin F. Lowry, Director
1011 N. Grandview Avenue
Glendale, California 91201

Gray Davis
Governor

CERTIFIED MAIL

March 11, 2003

Mrs. Mary Gonzalez
5260 Elizabeth Street
City of Cudahy, California 90201

PROPERTY LOCATED AT 5260 ELIZABETH STREET, CITY OF CUDAHY,
CALIFORNIA

Dear Mrs. Gonzalez:

On February 26, 2003, representatives from the Department of Toxic Substances Control (DTSC) came to your house and requested permission to collect soil samples from your property located adjacent to the Park Avenue School.

We informed you that the former Vloedman landfill which operated from the early 1930s through 1960s was located within the property which is now occupied by the school and the city park. Due to the proximity of your property to the former landfill, your property may be contaminated with hazardous substances. DTSC is committed to protecting public health and the environment, and therefore recommends that sampling be conducted to determine if the contamination extends under your property. We want to reiterate that you will not be charged for any of the costs associated with the sampling.

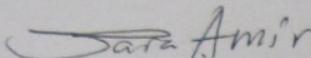
We urge you to call Mr. Jess Villamayor at (818) 551-2879 or Mrs. Tina Diaz, at (818) 551-2862 to schedule the sampling activity. If we do not hear from you by March 17, 2003, we will assume that you have not changed your mind about granting us access to conduct the sampling.

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at www.dtsc.ca.gov.

Mrs. Mary Gonzales
March 11, 2003
Page 2

If you have any questions, please call Mr. Jess Villamayor, Project Manager, at
(818) 551-2879.

Sincerely,



Sayarah Amir, Chief
Southern California Cleanup Operations Branch – Glendale Office

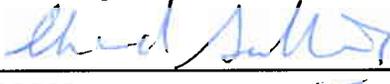
cc: Mr. George Perez
City Manager
City of Cudahy
5220 Santa Ana Street
Cudahy, California 90201

CERTIFIED MAIL
Return Receipt Requested
7001 2510 0008 9504 7498

REMOVAL ACTION CERTIFICATION FORM
(Please type or print in blank ink)

1. **Certification of Remedial or Removal Action:**

I hereby certify that the following information is true and correct to the best of my knowledge.

- | | | |
|---|---|---------------------|
| 1. <u>Chand Sultana</u>
Regional Project Manager |  | Date <u>7/18/07</u> |
| 2. <u>Rita Kamat</u>
Regional Unit Chief |  | Date <u>7/24/07</u> |
| 3. <u>Sayareh Amir</u>
Regional Branch Chief |  | Date <u>7-30-07</u> |

2. **Certification Statement:** Based upon the information which is currently and actually known to the Department,

The Department has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary.

The Department has determined, based upon a remedial investigation or site characterization that the site poses no significant threat to public health, welfare or the environment and therefore implementation of removal/remedial measures is not necessary.

The Department has determined that all appropriate removal/remedial actions have been completed and that all acceptable engineering practices were implemented; however, the site requires ongoing operation and maintenance (O&M) and monitoring efforts. The site will be deleted from the "active" site list following (1) a trial operation and maintenance period and (2) execution of a formal written settlement between Department and the responsible parties, if appropriate. However, the site will be placed on the Department's list of sites undergoing O&M to ensure proper monitoring of long-term cleanup efforts.

3. **Site Name and Location:** (Street address, County, City and zip code)

Cudahy Residential Property, 5256 and 5260 Elizabeth Street, Cudahy, CA 90201

A. List any other names that have been used to identify this site: Gonzales Property, Cudahy

B. Address of site if different from above: None

C. Assessor's Parcel Number:
6224-001-014 and 6224-001-015

4. **Responsible Parties:** (Use extra pages if necessary.)

Name: Mary Gonzales Name:

Title: Property owner Title:

Firm: _____ Firm:

Address: 36922 Atka Court Address:

City: Palmdale City:

Zip: CA-93552 Zip:

Telephone: (661) 533-2009 Telephone: ()

Relationship To Site: (such as generator, hauler, etc.)

Current Landowner/Operator: Property Owner

5. **Brief Description and History of the Site:** (Include previous and current uses of site, a brief description of the cleanup action and concentrations of significant hazardous substances left on site)

This Site has two housing units located in a mixed residential area of single family homes, multi-family residential units, and the Park Avenue Elementary School. Site history shows that a portion of the backyard of the property may have been used for landfill operations during the 1930s to 1960s. Sampling conducted by DTSC in April 2003 and Hydrologue in September 2004 had indicated that impacted soil was present in the backyard area. The contamination at the Cudahy Residential Site is an extension of the contamination identified at the Park Site. In 2002, DTSC conducted soil sampling to determine if the property has been impacted by hazardous substances released from past landfill operation. Results of DTSC's sampling showed that soil was contaminated with metals (lead, antimony and arsenic) and semi-volatile hydrocarbon compounds. Lead was detected ranging from 26 to 8,500 mg/kg. In 2003-2004, DTSC conducted site characterization activities to determine the vertical and lateral extent of contamination.

A Removal Action Workplan (RAW) was completed for the Cudahy Park Site. Removal Action Implementation was done in 2005, in accordance with the approved RAW for the Cudahy Park Site. The results of confirmation sampling indicate that the full depth of impacted soil has been removed up to ten feet bgs. A total of 10,407.43 tons of Non-RCRA Class I Hazardous material and 1,361.74 Tons of RCRA Class I Hazardous material was excavated off-hauled and disposed.

Removal of soil on the east side of the property was conducted as close to the fence as possible with some sloping necessary. Likewise, removal activities on the Park Avenue

School site to the east of the Gonzales property were conducted as close to the property line as practical with some sloping necessary. Therefore, a limited volume of impacted soil remains in the area adjacent to the fence between the Gonzalez property and the school. The soils from the backyard area were removed to acceptable levels of lead and arsenic in the floor of the excavation, and then filled with clean soils. Sidewall samples from the excavation found elevated levels of lead and arsenic at varying depths that were inaccessible due to the residential and out buildings on the property to the north, and property lines to the west, south, and east. In the northern sidewall, facing the residences, lead was found at up to 1641 mg/kg at 4-feet, and up to 504 mg/kg at 7-feet.

The property to the west is mostly paved or covered by apartment buildings. The driveway between the two units is paved. Therefore, contact with any impacted soil is limited in these areas. Sampling on the small strip behind the car port area was conducted which showed elevated lead at one point. It was paved to prevent the possible lead exposure.

6. **Type of Site:** (Check appropriate response)

Included in Bond Expenditure Plan? Yes ___ No X

RCRA-Permitted Facility _____ Bond - funded
RCRA Facility Closure _____ RP - funded

*NPL
Federal Facility

Other (i.e., walk-in): Explain Briefly: State-funded (Orphan site)

7. **Size of Site:** (Based on Expenditure Plan definition of size)

Small ___ Medium X Large ___ Extra Large

8. **Dates of Remedial or Removal Action:**

A. Initiated: 8/15/2005 B. Completed: 1/18/2006

*Per SARA, any NPL site that is not permanently cleaned must be scheduled for a follow-up visit after 5 years to verify that cleanup measures are still satisfactory.

9. **Response Action Taken on Site:** (check appropriate action)

- X Removal Action (satisfactory abatement of site)
- ___ Final Remedial Action
- ___ RCRA Enforcement/Closure action
- ___ No action, further investigation verified that no cleanup action at site was needed.

A. Type of Remedial or Removal Action (e.g. Excavation and redisposal, cap, on-site treatment?):

Excavated and contaminated soil hauled off site.

B. Estimated quantity of waste associated with the site (i.e., tons/gallons/cubic yards) which was:

- | | |
|--|----------------------------|
| 1. <input type="checkbox"/> treated | Amount: |
| 2. <input type="checkbox"/> untreated (capped sites) | Amount: |
| 3. <input checked="" type="checkbox"/> removed | Amount: <u>11,768 tons</u> |

10. Cleanup Levels/Standards:

A. What were the cleanup standards established by the Department of Toxic Substances Control (DTSC) pursuant to the final remedial action plan (RAP) or workplan (if cleanup occurred as the result of a removal action (RA) prior to development of a RAP)?

The cleanup standards for the removals of metals were based on background concentrations for arsenic (11.3 mg/kg) and risk-based concentrations for lead and cadmium.

B. Were the specified cleanup standards met? Yes No

C. If "no", why not:

Contaminants in inaccessible areas such as underneath the buildings, driveway and the north sidewall were left behind. These areas are capped and do not cause the exposure risk.

11. DTSC Involvement in the Remedial or Removal Action:

A. Did the Department order the Remedial or Removal Action?

Yes No Date of Order: September 9, 2005

B. Did the Department review and approve the following plans/procedures? (indicate date of review/approval if done):

<input type="checkbox"/> Sampling Analysis Procedures	Date
<input type="checkbox"/> Health & Safety Protections	Date
<input type="checkbox"/> Removal/Disposal Procedures	Date
<input checked="" type="checkbox"/> Removal Action Plan	Date <u>1/27/2004</u>

C. If site was abated by a responsible party, did the Department receive a signed statement from a licensed professional on all phases of the Remedial Actions? (indicate date of statement)

Remedial Action Plan Date

Design & Construction Specifications Date

Post Construction Date

D. Did a registered engineer or geologist verify that acceptable engineering practices were implemented?

Yes X No ___ Name Bruce Garbaccio

E. Did the Department confirm completion of all Remedial Actions?

Yes X No ___ Date of verification 3-28-2007 (i.e. manifest, sampling, demonstrated installation and operation of treatment)

F. Did the Department (directly or through a contractor) actually perform the Remedial Action?

Yes X No ___ Name of Contractor: Performance Excavators

G. Was there a community relations plan in place? Yes X No

H. Was a removal action workplan developed for this site? Yes X No

I. Did DTSC hold a public meeting regarding the draft RAP? Yes ___ No X

J. Were public comments addressed?

Yes X No ___ Date of DTSC analysis and response: 2-4-2004

K. Are all the facts cited above adequately documented in the DTSC files? Yes X No

If no, identify areas where documentation is lacking.

12. EPA Involvement in the Remedial or Removal Action:

A. Was the EPA involved in the site cleanup? Yes ___ No X

B. If yes, did EPA concur with all remedial actions? Yes ___ No

C. EPA comments

EPA staff involved in cleanup:

(Name, Title)

(Address, Phone Number)

13. Other Regulatory Agency Involvement in the Cleanup Action:

Agency: None

Activity:

RWQCB

ARB

CHP

Caltrans

Other

No

Name of contact persons and agency:

14. Post-Closure Activities:

A. Will there be post-closure activities at this site? (e.g. Operation and Maintenance) Yes No If yes, describe: Land Use Covenant

B. Have post-closure plans been prepared and approved by the Department? Yes No

C. What is the estimated duration of post-closure (including operations and maintenance) activities?
30 years.

D. Are deed restrictions proposed or in place? Yes No

If "yes", have deed restrictions been recorded with the County recorder?

Yes No Date April 27, 2007

If "no", who is responsible for assuring that the deed restrictions are recorded?

Who is the Department contact? Name/Phone Number Chand Sultana at (818) 551-2962

E. Has cost recovery been initiated? Yes No
If yes, amount received \$ _____; _____% of DTSC costs.

F. Were local planning agencies notified of the cleanup action? Yes No
If yes, the name and address of agency:

City of Cudahy - Acquired excavation/grading and encroachment permits. City point of contact is Saul Bolivar (323) 773-5143 (See attachment A).

South Coast Air Quality Management District. Mr. Tupac (909) 396-2684

15. Expenditure of Funds and Source:

(Information to be supplied by Toxic Accounting Unit.)

Funding Source and amount expended: State funded

_____ HWCA	\$ _____	_____ HSA	\$ _____
_____ HSCF	\$ _____	_____ RCRA	\$ _____
_____ RP	\$ _____	_____ Other (State funded)	\$ <u>1,916,240.00</u>
_____ Federal Cooperative Agreement	\$ _____		
_____ Other (Site Remediation Account)	\$ _____		

16. Additional Comments:

This page is part of your document - DO NOT DISCARD

20071027283

Pages:
0014



Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

Fees:	\$45.00
Taxes:	\$0.00
Other:	\$42.00
Paid:	\$87.00

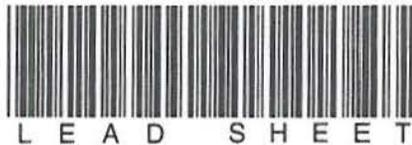
04/27/07 AT 02:31PM

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Counter

TITLE(S) :



L E A D S H E E T

FEE

D.T.T.

CODE
20

CODE
19

CODE
9

Assessor's Identification Number (AIN)

To be completed by Examiner OR Title Company in black ink.

Number of AIN's Shown

RECORDING REQUESTED BY:)

Mary Gonzales)
36922 Atka Court)
Palmdale, CA-93552)

WHEN RECORDED, MAIL TO:)

Department of Toxic Substances Control)
1011 N. Grandview Avenue)
Glendale, California 91201)
Attention: Sayareh Amir, Chief)
Southern California Cleanup Operations)

04/27/07



20071027283

SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE

COVENANT TO RESTRICT USE OF PROPERTY

ENVIRONMENTAL RESTRICTION

Re: Cudahy Residential Property, 5256 and 5260 Elizabeth Street, Cudahy, CA 90201
Assessor's Parcel Numbers: 6224-001-014 and 6224-001-015

This Covenant and Agreement ("Covenant") is made by and between, Mary Gonzales (the "Covenantor"), the current owner of property situated in the City of Cudahy, County of Los Angeles, State of California, described in Exhibit "A", attached hereto and incorporated herein by this reference (the "Property"), and the Department of Toxic Substances Control (the "Department"). Pursuant to Civil Code section 1471, the Department has determined that this Covenant is reasonably necessary to protect present or future human health or safety or the environment as a result of the presence on the land of hazardous materials as defined in Health and Safety Code section 25260. The Covenantor and the Department, collectively referred to as the "Parties", hereby agree that the use of the Property be restricted as set forth in this Covenant; and the Parties further agree that the Covenant shall conform with the requirements of California Code of Regulations, title 22, section 67391.1.

ARTICLE I
STATEMENT OF FACTS

1.01. The Property consists of two parcels totaling approximately 1 acre, and is depicted in Exhibit "B", attached hereto and incorporated herein by this reference. The Property is located in a high density residential area adjacent to the Park Avenue Elementary School property. It is bound to the east and south by the school property, to the west by an apartment building and to the north by Elizabeth Street. The Property is also known by the street addresses of 5256 and 5260 Elizabeth Street, Cudahy California 90201. The Property is also generally identified by County of Los Angeles Assessor Parcel Numbers 6224-001-014 and 6224-001-015.

1.02. The Property was remediated pursuant to a Removal Action Workplan (RAW) prepared under Chapter 6.8 of division 20 of the Health and Safety Code for the Cudahy City Park and implemented for the Property under the oversight of the Department. The contamination at the Property was similar to the contamination identified at the Cudahy City Park. The RAW provided that land use restrictions be required as part of the site remediation because metals like lead, arsenic, zinc and semi-volatile organic compound (SOVCs) are hazardous substances as defined in Health and Safety Code section 25316, and hazardous materials, as defined in Health and Safety Code section 25260, remained in the soil at the Property. The Department circulated the draft RAW, together with a negative declaration pursuant to the California Environmental Quality Act, Public Resources Code section 21000 et seq., for public review and comment. On January 27, 2004, DTSC approved the Final RAW and negative declaration. In accordance with the approved documents, the Property was excavated to the approximate depth of 8 to 10 feet below ground surface, graded, and then backfilled with clean soil. The front side yards around the structures were excavated to a depth of 2 feet below ground surface and backfilled with clean soil during an earlier removal action. No excavation of soil was conducted on portions of the Property where there were existing structures, driveways, or other asphalted or concreted areas or beneath the fencelines.

1.03. As described in the Removal Action Completion Report, the Property's sidewall soils contain hazardous substances as defined in Health and Safety Code section 25316, including lead, arsenic and zinc above levels suitable for unrestricted use. The Department determined that the Property, as remediated and subject to the Environmental Restrictions set forth in this Covenant, does not present an unacceptable threat to human safety or the environment.

ARTICLE II DEFINITIONS

2.01. Department. "Department" means the California Department of Toxic Substances Control and includes its successor agencies, if any.

2.02. Environmental Restrictions. "Environmental Restrictions" means all protective provisions, covenants, restrictions, prohibitions, and terms and conditions as set forth in any section of this Covenant.

2.03. Improvements. "Improvements" includes, but are not limited to: buildings, structures, roads, driveways, improved parking areas, wells, pipelines, or other utility installations.

2.04 Lease. "Lease" means lease, rental agreement, or any other document that creates a right to use or occupy any portion of the Property.

2.05. Occupant. "Occupant" means Owners and any person or entity entitled by ownership, leasehold, or other legal relationship to the right to occupy any portion of the Property.

2.06. Owner. "Owner" means the Covenantor, its successors in interest, and their successors in interest, including heirs and assigns, who at any time hold title to all or any portion of the Property.

ARTICLE III GENERAL PROVISIONS

3.01. Runs with the Land. This Covenant sets forth Environmental Restrictions, that apply to and encumber the Property and every portion thereof no matter how it is improved, held, used, occupied, leased, sold, hypothecated, encumbered, or conveyed. This Covenant: (a) runs with the land pursuant to Health and Safety Code section 25355.5 and Civil Code section 1471; (b) inures to the benefit of and passes with each and every portion of the Property, (c) is for the benefit of, and is enforceable by the Department, and (d) is imposed upon the entire Property unless expressly stated as applicable only to a specific portion thereof.

3.02. Binding upon Owners/Occupants. Pursuant to the Health and Safety Code, this Covenant binds all owners of the Property, their heirs, successors, and assignees, and the agents, employees, and lessees of the owners, heirs, successors, and assignees. Pursuant to Civil Code section 1471, all successive owners of the Property are expressly bound hereby for the benefit of the Department.

3.03. Written Notice of the Presence of Hazardous Substances. Prior to the sale, lease or sublease of the Property, or any portion thereof, the owner, lessor, or sublessor shall give the buyer, lessee, or sublessee written notice of the existence of this Covenant and its Environmental Restrictions, and shall provide any buyer with a copy the example Annual Inspection Report attached to this Covenant.

3.04. Incorporation into Deeds and Leases. This Covenant and its Environmental Restrictions shall be incorporated by reference in each and every deed and Lease for any portion of the Property.

3.05. Conveyance of Property. The Owner shall provide written notice to the Department not later than thirty (30) days after any conveyance of any ownership interest in the Property (excluding mortgages, liens, and other non-possessory encumbrances). The written notice shall include the name and mailing address of the new owner of the Property and shall reference the site name and site code as listed on page one of this Covenant. The notice shall also include the Assessor's Parcel Number (APN) noted on

page one. If the new owner's property has been assigned a different APN, each such APN that covers the Property must be provided. The Department shall not, by reason of this Covenant, have authority to approve, disapprove, or otherwise affect proposed conveyance, except as otherwise provided by law, by administrative order, or by a specific provision of this Covenant.

3.06. Costs of Administering the Covenant to be paid by Owner. The Department has already incurred and will in the future incur costs associated with the administration of this Covenant. Therefore, notwithstanding Civil Code section 1466, the Covenantor and all future owners shall be jointly and severally liable to the Department for its costs in administering the Covenant, unless such performance is excused by written agreement with the Department.

ARTICLE IV RESTRICTIONS

4.01. Soil and Cover Management and Prohibited Activities.

(a) No activities (e.g., planting, utility line installation, excavation, grading, removal, trenching and filling) that disturb soil shall be allowed below a depth of 18 inches below ground surface in the exposed lawn or soil areas in front of or along the sides of the two structures without the prior written approval of a soil management plan by the Department.

(b) No activities (e.g., planting, utility line installation, excavation, grading, removal, trenching and filling) that could disturb soils under improvements on the property serving as cover material shall be allowed without the prior written approval of a soil management plan by the Department. Improvements serving as cover material include the structures (including open areas under structures), driveways, fences, and other areas covered by either asphalt or concrete.

(c) Owner shall maintain the cover material identified in subsection

(b) above as necessary to ensure that no deterioration occurs that could create an exposure pathway to the contaminants that may exist beneath the cover material.

(d) The Owner shall provide the Department written notice at least fourteen (14) days prior to any activity prohibited by this Covenant being conducted on the Property.

4.04. Access for Department. The Department shall have reasonable right of entry and access to the Property for inspection, monitoring, and other activities consistent with the purposes of this Covenant as deemed necessary by the Department in order to protect the public health or safety, or the environment.

ARTICLE V ENFORCEMENT

5.01. Enforcement. Failure of the Owner or Occupant to comply with this Covenant shall be grounds for the Department to require modification or removal of any Improvements constructed or placed upon any portion of the Property in violation of this Covenant. Violation of this Covenant, including but not limited to, failure to submit, or the submission of any false statement, record or report to the Department, shall be grounds for the Department to pursue administrative, civil or criminal actions.

ARTICLE VI VARIANCE, TERMINATION, AND TERM

6.01. Variance. Owner, or any other aggrieved person, may apply to the Department for a written variance from the provisions of this Covenant. Such application shall be made in accordance with Health and Safety Code section 25233.

6.02. Termination. Owner, or any other aggrieved person, may apply to the Department for a termination or modification of one or more terms of this Covenant as they

apply to all or any portion of the Property. Such application shall be made in accordance with Health and Safety Code section 25234.

6.03. Term. Unless ended in accordance with paragraph 6.02, by law, or by the Department in the exercise of its discretion, this Covenant shall continue in effect in perpetuity.

ARTICLE VII
MISCELLANEOUS

7.01. No Dedication Intended. Nothing set forth in this Covenant shall be construed to be a gift or dedication, or offer of a gift or dedication, of the Property, or any portion thereof to the general public or anyone else for any purpose whatsoever.

7.02. Department References. All references to the Department include successor agencies/departments or other successor entity.

7.03. Recordation. The Covenantor shall record this Covenant, with all referenced Exhibits, in the County of Los Angeles within ten (10) days of the Covenantor's receipt of a fully executed original.

7.04. Notices. Whenever any person gives or serves any Notice ("Notice" as used herein includes any demand or other communication with respect to this Covenant), each such Notice shall be in writing and shall be deemed effective: (1) when delivered, if personally delivered to the person being served or to an officer of a corporate party being served, or (2) three (3) business days after deposit in the mail, if mailed by United States mail, postage paid, certified, return receipt requested:

To Owner: Mary Gonzales
36922 Atka Court
Palmdale, CA-93552

To Department: Southern California Cleanup Operations -
Branch Chief
Department of Toxic Substances Control
1011 N. Grandview Avenue
Glendale, California 91201

Any party may change its address or the individual to whose attention a Notice is to be sent by giving written Notice in compliance with this paragraph.

7.05. Partial Invalidity. If any portion of the Restrictions or other term set forth herein is determined by a court of competent jurisdiction to be invalid for any reason, the surviving portions of this Covenant shall remain in full force and effect as if such portion found invalid had not been included herein.

7.06. Statutory References. All statutory references include successor provisions.

7.07. Inspection and Reporting Requirements. The Owner shall conduct an annual inspection of the Property verifying compliance with this Covenant, and shall submit an annual inspection report to the Department for its approval by January 15th of each year. The annual inspection report must include the dates, times, and names of those who conducted the inspection and reviewed the annual inspection report. It also shall describe how the observations were performed that were the basis for the statements and conclusions in the annual inspection report (e.g., drive by, fly over, walk in, etc.). If violations are noted, the annual inspection report must detail the steps taken to return to compliance. If the Owner identifies any violations of this Covenant during the annual inspections or at any other time, the Owner must within 10 days of identifying the violation: determine the identity of the party in violation, send a letter advising the party of the violation of the Covenant, and demand that the violation cease immediately. Additionally, copies of any correspondence related to the violation of this Covenant shall be sent to the Department within 10 days of its original transmission.

IN WITNESS WHEREOF, the Parties execute this Covenant.

Covenantor: Mary Gonzales

By: Mary Gonzales

Title:

Date:

4/16/07

Department of Toxic Substances Control

By: Sayareh Amir

Title: Sayareh Amir

Chief, Southern California Cleanup Operations Branch – Glendale
Office

Date:

4/18/07

STATE OF CALIFORNIA)

COUNTY OF Los Angeles)

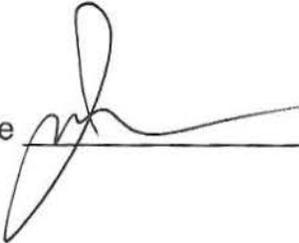
On this 16th day of April, in the year 2007,

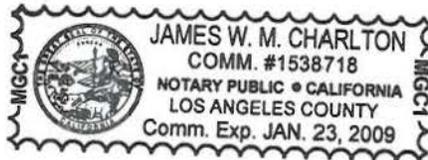
before me JAMES W. M. CHARLTON, personally appeared

MARY GONZALEZ,

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is /are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

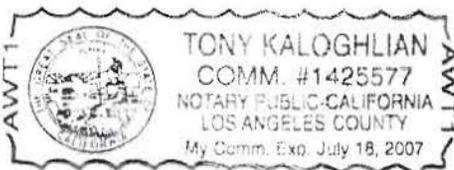
Signature 



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California
County of Los Angeles
On April 18th 2007 before me, TONY KALOGHLIAN
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared SAYAREH AMIR
Name(s) of Signer(s)

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Tony Kaloghlian
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Environmental Restriction
Document Date: April 18th 2007 Number of Pages: _____
Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: SAYAREH AMIR

- Individual
- Corporate Officer
Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing:

Signer's Name: _____

- Individual
- Corporate Officer
Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing:

Exhibit A

Legal Description (Unit 5256 Elizabeth Street)

Tract Number: 180 W 52.5 ft of Lot 421

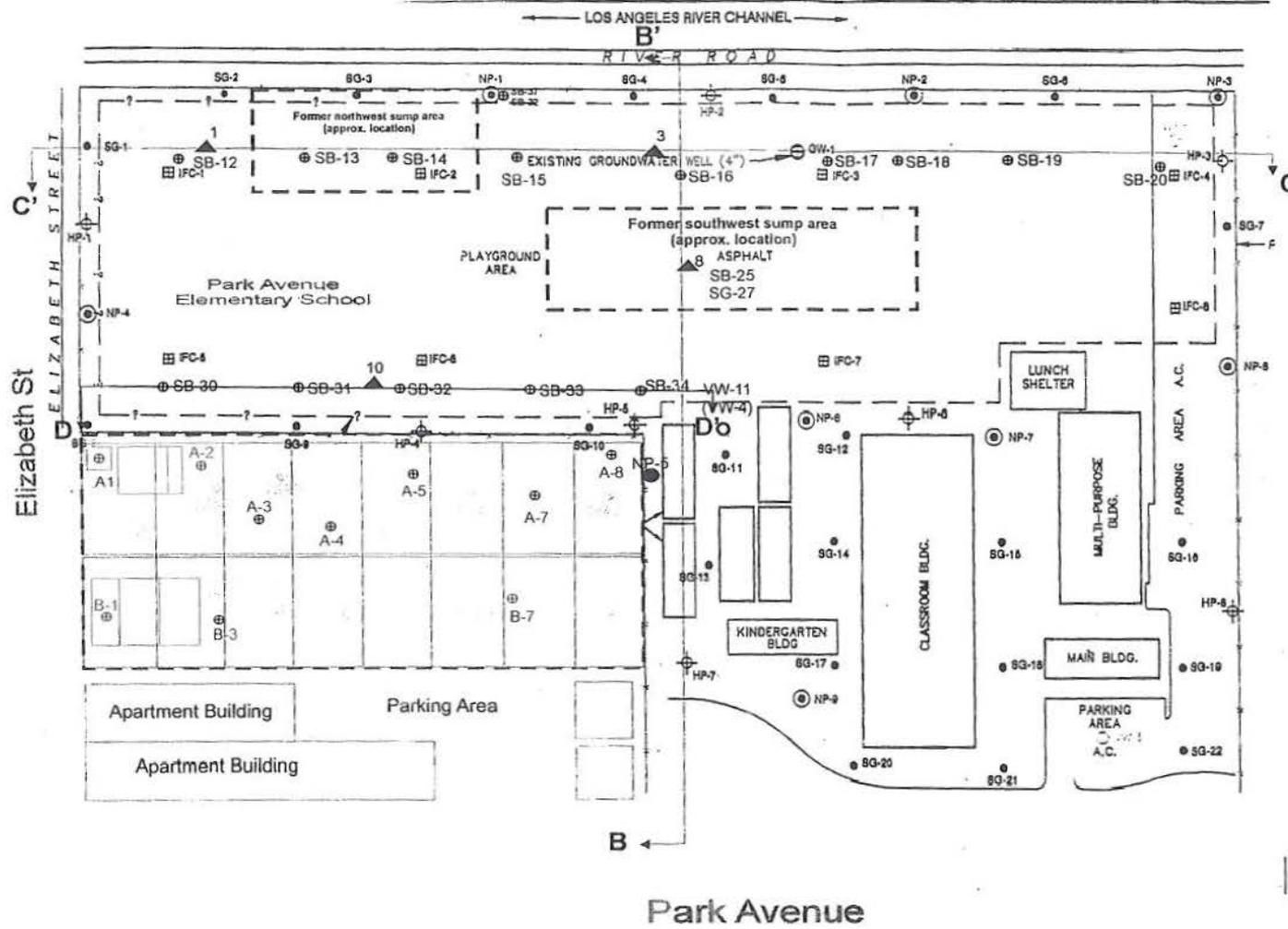
Legal Description (Unit 5260 Elizabeth Street)

Tract Number: 180 E 52.5 ft of Lot 421

Hydrologue Proposed Soil Borings

A-3 ⊕ Previous DTSC Soil Borings

Site Location



Park Avenue

Exhibit B

Scale



CLIENT		DTSC	
LOCATION		5256 & 5260 Elizabeth Street Cudahy, CA 90201	
TITLE	FIGURE NUMBER	Proposed Soil Boring Locations	
		9	
PROJECT		2849-00	
hydrologue, Inc.		PEA/Cudahy-DTSC/S&S	
Consulting Engineers & Geologists			

Source: IT Corporation for LAUSD for Park Ave ES-Cudahy, CA

California



February 26, 2013
CE Job No. EV0213-3258

Environmental

Cudahy Economic Development Corporation
5218 Santa Ana Street
Cudahy, California 90201
Attention: Mr. Oliver Mujica

Subject: Review of Environmental Documentation Existing Residential Development 5256 and 5260 Elizabeth Street, APN 6224-001-014 and -015, Cudahy California, 90201.

References: Hydrologue, Inc., *Preliminary Endangerment Assessment Report Gonzales Property 5256 and 5260 Elizabeth Street, Cudahy California 90201*, dated October 11, 2004.

CSS Environmental Services, *Report and Data Summary Gonzales Remediation Site Cudahy, California*, dated October 13, 2005.

The Planning Center, *Soil Gas Evaluation, Proposed Early Education Center Park Avenue Elementary School, 8020 Park Avenue, Cudahy, California*, dated December 6, 2011.

Dear Mr. Mujica:

California Environmental (CE) is pleased to present the results of the environmental review conducted for the subject property. Preparation of this report follows authorization of our proposal dated February 19, 2013. The scope of our work included review of previous environmental assessment and cleanup reports associated with the site on file with CalEPA DTSC. Review was also conducted of the environmental reports on file for the adjacent site, Park Avenue Elementary School, also on file with the CalEPA DTSC. Representatives also contacted the CalEPA DTSC project manager for specific site information. A site visit was not included in the scope of our services.

The subject property consists of two residential lots which encompass approximately one acre in the eastern portion of the City of Cudahy, Los Angeles County, California. The properties occupy the ancestral west bank of the Los Angeles River. The Los Angeles River is currently channelized. The subject site lies within an area of an historical landfill which operated in the area from the 1920s through the 1960s. The Vloedman Dump was historically located near the intersection of Park Avenue and Santa Ana Streets and received waste glass, rubbish, waste oil and sludge. The subject property was

located in the northwest portion of the former dump. Previous investigations identified up to 14 ft. of trash present in the dump area. A glass reprocessing facility was located somewhere in the northern portion of the Vloedman Dump. The Vloedman Landfill apparently operated until about 1960. The onsite residences were apparently constructed in about 1959.

Environmental investigations, remedial response removal actions and cleanup actions occurred associated with the Vloedman Dump commencing in the late 1980s. The subsurface investigations revealed the presence of petroleum hydrocarbons and heavy metals as the primary constituents of concern. The underlying shallow groundwater (15-20 bgs) contained low concentrations of fuel and oil constituents. The Los Angeles Unified School District entered into a Consent Order with the CalEPA DTSC to assess and mitigate the impacts associated with the former Vloedman Landfill on the Park Ave. School site. The assessment work culminated in a removal action response in 2003 executed by El Capitan Environmental. The removal action included excavation and offsite disposal of approximately 141,000 tons of impacted soil. Clean imported fill was backfilled into the excavated areas. A liner was reportedly placed around the perimeter of the excavated area. Confirmation soil samples documented achieving the recommended remedial goals.

Remedial excavation work was conducted on the subject property (Gonzales Remediation Site) during 2005. The remedial excavation work was carried out by CSS Environmental Services Inc. The characterization sampling of the excavated materials revealed both RCRA and non-RCRA type wastes which were excavated and removed from the subject site. The property was excavated to depths which ranged from 7-12 feet below the ground surface. The average depth of removal was approximately 10 feet. Confirmation soil samples were tested for lead, arsenic, SVOCs and VOCs. The bottom confirmation samples revealed general conformance to the specified cleanup criteria. Several side wall samples contained elevated concentrations of lead and arsenic. The excavation was backfilled with clean imported fill.

URS Corporation, under the auspices of Cal EPA DTSC, initiated a limited remedial response adjacent to and surrounding the subject residences during 2006/2007. Limited soil removal (2 ft) occurred and pavement was placed to limit exposure to the impacted soils present immediately adjacent to and beneath the subject residences.

During 2007, the subject property (Gonzales) and CalEPA DTSC entered into a Land Use Covenant (LUC)/Environmental Restriction associated with the subject property. The LUC requires the following.

- That the existing cover not be disturbed without approval.
- The requirement that surface covering be maintained.
- No excavation of contaminated soil with agency review and approval.
- Notification to DTSC prior to redevelopment.
- Notification to DTSC upon change of property ownership.

CalEPA DTSC was contacted with respect to the existing LUC. Sayareh Amir indicates that redevelopment of the subject property is feasible at which time CalEPA DTSC would require preparation of a workplan and execution of a remedial action to remove the remaining impacted soil present beneath the footprint of the existing buildings and contiguous property. It is possible that the land use restriction could be completely removed upon removal of the remaining impacted soils.

Conclusions

The subject property was previously a portion of the Vloedman Landfill, which was remediated through excavation of the impacted soils. The contaminants of concern associated with the former Vloedman Landfill included heavy metals, primarily lead, arsenic, copper and antimony. Petroleum hydrocarbons consisting of low concentration fuels and oils were also present in the landfill debris. The landfill debris beneath most of the subject property was excavated and hauled from the site. Clean imported fill was compacted back into the excavated area. Approximately 2 feet of impacted soil was removed from adjacent to the existing residences and covered with a pavement cap. Confirmation soil samples following the deep removal activities revealed the presence of constituents of concern below action levels in bottom samples and above action levels in several side wall samples. Cal EPA DTSC issued a LUC for the presence of impacted soils that remain primarily beneath the existing residences. It appears feasible to remove the LUC placed on the property by removal of the contaminated soil that remains beneath the existing structures.

Should you have any question regarding this report, please call the undersigned directly.

Respectfully submitted,



Certified Hydrogeologist No. 55

Encl. Cal EPA DTSC “*Covenant to Restrict Use of Property Environmental Restriction*”, 5256 and 5260 Elizabeth Street, Cudahy, California 90201.

BUILDING PERMIT APPLICATION

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reasons (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Sec. 7000) of Div. 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500). I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code). The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale. Contractors to construct the project (Sec. 7044, Business and Professions Code). The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) license pursuant to the Contractors License Law. I am exempt under Section _____ B & P C. for this reason: _____

Date: 12/5/03 Signature of Owner: Miguel A. Hernandez License Number: 575406 Expiration Date: 8/31/2005

LICENSEE'S OR ENGINEER'S NAME
 Architect's or Engineer's Name: Environmental Dynamics, Inc License No: 575406

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:
 I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
 I have and will maintain workers' compensation insurance, as required by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:
 Carrier: State Fund
 Policy No: 1268609-03

(This section need not be completed if the permit is for one hundred dollars (\$100) or less.)
 I shall not employ any person in the performance of the work for which this permit is issued in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Sec. 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 12/5/03 Signature of Applicant: Miguel A. Hernandez

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND A ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)
 Lender's Name: _____
 Lender's Address: _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.
 Date: 12/5/03 Signature of Applicant or Agency: Miguel A. Hernandez

CITY OF CUDAHY

5220 Santa Ana Street
 Cudahy, CA 90201
 Monday - Thursday, Hours 8:00 a.m. to 10:00 a.m.
 Inspection Request (323) 773-5143

ASSESSOR PARCEL NUMBER
5256 + 5260 E. Elizabeth St.

PROPERTY OWNER
Salvador & Mary Gonzalez

MAILING ADDRESS
5260 E. Elizabeth St.
 CITY: Cudahy STATE: CA ZIP: 90201

ARCHITECT'S OR ENGINEER'S NAME
Environmental Dynamics, Inc
 ADDRESS: 14531 S. Avalon Blvd.
 CITY: Cudahy STATE: CA ZIP: 90248

APPLICANT/CONTACT PERSON
Miguel (wife) Hernandez
 PHONE NUMBER: 310 527-6242

CONTRACTOR'S NAME
Environmental Dynamics, Inc
 ADDRESS: 14531 S. Avalon Blvd.
 CITY: Cudahy STATE: CA ZIP: 90201

EXPIRATION
 PHONE NUMBER: 310 527-6242

Every permit shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within 180 days from the date of such permit or if the building or work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days.

DESCRIPTION OF WORK: Removal + replacement of both front yards, Back yard on 5260, E. portion of 5260 (side of house) + Seed patches throughout both back yards. Estimated @ 3,380 SAFT or 300 tons of soil.

NO. OF STORIES: N/A

SQUARE FOOTAGE: N/A

FIRE SPRINKLERS REQUIRED: N/A

STATISTICAL CLASSIFICATION: UNIT/ST: 0 CODE: N/EFFECT

SPECIAL CONDITIONS / PLANNING FILE NO:

INITIAL VALUATION: 1 **REVISED VALUATION:**

PLAN CHECK FEE: 1

ADDITIONAL PLAN CHECK FEE: 1

ADDITIONAL PLAN CHECK NO: 1

INITIALS: F **DATE:**

INITIALS: F **DATE:**

INITIALS: F **DATE:**

SCHOOL FEES PAID HEALTH DEPT. APPROVAL
 SANITATION DIST PAID FIRE DEPT. APPROVAL
 PUBLIC WORKS FEES PD SCAQMD
 PLANNING APPROVAL INDUSTRIAL WASTE APPR
 _____ OSHA PERMIT OBTAINED

BUILDING PERMIT FEE: \$ 200

ISSUANCE FEE: \$ 21

SMIP FEE: \$

TOTAL BUILDING PERMIT FEE: \$ 221

PERMIT NO: 601914 **INITIALS:** [Signature] **DATE:** 12-5-03

ISSUED BY: [Signature] **CK NO:** 99332a

1877

This land is filled good
you cant make potato
July 1877

1877

1877



1877

1877

16-57B

P

1

APPLICATION FOR ELECTRIC PERMIT

784883-CE006-11

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
BUILDING AND SAFETY DIVISION
JOHN A. LAMBIE, County Engineer
CASSATT D. GRIFFIN, Sup't of Building

BUILDING ADDRESS 5256 Elizabeth
LOCALITY Cudahy
NEAREST CROSS ST _____
OWNER J. TORRES.
MAIL ADDRESS 5300 Elizabeth
CITY Cudahy TEL NO _____
ELECTRICIAN _____
ADDRESS 1603 E. ARIZONA
CITY DELICIOUS TEL NO _____
STATE LICENSE NO 11878 8-805

FOR APPLICANT TO FILL IN PERMIT FEES

ITEM	NUMBER	EACH	FEE
OUTLETS LIGHTS 10 RECEPT 15 SW 11	36	10	3.60
LIGHTING FIXTURES	10	10	1.00
ELEC. RAISED CLO. DRYERS			
WATER HEATERS		50	
ELEC. SPACE HTRS. DISHWASHERS			
GARBAGE DISPOSERS AUTO.			
WASHERS STA. COOKING UNITS		25	
MOTORS: OVER INC. H.P.			
0 — 1/2		25	
1/2 — 2		50	
2 — 5		1.00	
5 — 15		1.50	
15 — 50		2.50	
50 — 200		5.00	
FUSES: NO. TRANS. NO. LAMPS			
SERVICE 0-600V		1.00	1.00
SERVICE OVER 600V		5.00	
MISC.			
WIRING PERMIT		1.00	1.00
FIXTURE PERMIT		1.00	1.00
SUPPLEMENTARY PERMIT		.50	
TOTAL FEE			\$ 7.60

DISTRICT NO. _____ GROUP _____ ZONE _____ READY FOR INSPECTION _____

INSPECTION RECORD

2-12-59
(WORKING UNINSURED)
(B.P. UNINSURED)
NOT READY FOR INSPECTION
Masonry

APPROVALS

	DATE	INSPECTOR'S SIGNATURE
CONDUIT	2-11-59	[Signature]
WIRING	2-11-59	[Signature]
FIXTURES	2-11-59	[Signature]
POWER	4/3/59	[Signature]
UTILITY CO. NOTIFIED	11/1/59	[Signature]
FINAL		

ARTHUR C. VEIT, SUPERVISING ELECTRICAL ENGINEER

VALIDATION
CK MO CASH

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL COUNTY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I HEREBY CERTIFY THAT I AM PROPERLY REGISTERED AND/OR LICENSED AS REQUIRED BY LOS ANGELES COUNTY AND STATE OF CALIFORNIA OR THAT I AM THE LEGAL OWNER OF THE ABOVE DESCRIBED RESIDENTIAL _____

SIGNATURE OF PERMITTEE [Signature]

11/10/58 OCT 7 2 7.60

[Handwritten Signature]

78A043D
CS008-B-88

NON PERMIT REQUIRED

APPLICATION FOR PERMIT SEWER-SEWAGE DISPOSAL

1

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
BUILDING AND SAFETY DIVISION
JOHN A. LAMBIE, County Engineer
CASSATT D. GRIFFIN, Sup'l of Building

BUILDING ADDRESS 5266 Elizabeth St
LOCALITY Carle P. d. h. (C.A.H.)
NEAREST CROSS ST. Wilcox St
OWNER W. J. ...
MAIL ADDRESS 5266 Elizabeth St
CITY Palmdale TEL. NO. _____

FOR APPLICANT TO FILL IN

LEGAL DESCRIPTION LOT NO. 471 ...
BLOCK TRACT 180
SIZE OF LOT: 25 x 330 NO. OF BLDGS. 1
USE OF BUILDINGS _____

CONTRACTOR ...
ADDRESS ...
CITY ...
REGISTRATION NO. ... STATE COUNTY _____

NO.	DESCRIPTION OF WORK	FEE		
1	HOUSE SEWER CONNECTING TO PUBLIC SEWER	\$ 33.00	3	50
	SEPTIC TANK, SEEPAGE PIT OR PITS AND/OR DRAINFIELD	\$ 33.00		
	OVERFLOW SEEPAGE PIT, DRAINFIELD EXTN., CESSPOOL, DRYWELL, MANHOLE	\$ 32.00		
	HOUSE SEWER CONNECTING TO PRIVATE DISPOSAL SYSTEM	\$ 31.00		
	CONNECT ADDITIONAL BLDG. OR WORK TO HOUSE SEWER	\$ 31.00		
	ALTER, REPAIR OR ABANDON HOUSE SEWER OR DISPOSAL SYSTEM	\$ 31.00		

OWNER'S PERMIT	5	2	00
AUTHORIZATION TOTAL FEE			

I HAVE AT THIS DATE A CONTRACT WITH THE HEREIN NAMED CONTRACTOR TO CONNECT THE ABOVE DESCRIBED EXISTING DWELLING TO THE PUBLIC SEWER.
SIGNED THIS _____ DAY OF _____ 19____
OWNER OR OWNERS AGENT _____
ADDRESS _____

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL COUNTY ORDINANCES AND STATE LAWS REGULATING PLUMBING AND SEWERS.
I HEREBY CERTIFY THAT I AM PROPERLY REGISTERED AND/OR LICENSED AS REQUIRED BY LOS ANGELES COUNTY AND STATE OF CALIFORNIA OR THAT I AM THE LEGAL OWNER OF THE ABOVE DESCRIBED RESIDENTIAL PROPERTY.
SIGNATURE OF PERMITTEE: _____

DISTRICT NO. _____ GROUP _____ MAP BK _____ PG _____ PROCESSED BY _____

CONNECTION DATA
STATION ... DEPTH ...
MANHOLE REFERENCE ... UPPER LOWER
TYPE OF CONNECTION CURE (P.L.) LENGTH FROM M.L. TO P.L. ...
CO. IMP. NO. ... P. C. NO. _____ JOB NO. _____
TRUNK PERMIT NO. _____ ROAD PERMIT NO. _____
STATE ENCROACHMENT PERMIT NO. _____
INDUSTRIAL WASTE APPROVAL _____

CHARGES
CONNECTION CHARGE FEE _____
REIMBURSEMENT FEE _____

APPROVALS	DATE	INSPECTOR'S SIGNATURE
NEW HOUSE SEWER	3/12/91	J. ...
CONNECT ADDITIONAL BUILDING OR WORK		
SEPTIC TANK, SEEP. PIT(S) AND/OR DRAINFIELD		
CESSPOOL <input type="checkbox"/> DRYWELL <input type="checkbox"/>		
ALTER, REPAIR, SEWER OR SEWAGE DISPOSAL SYSTEM		
DISCONNECT PLUG AND ABANDON HOUSE SEWER		
BACKFILL SEPTIC TANK'S <input type="checkbox"/> SEEP. PIT(S) <input type="checkbox"/> CESSPOOLS <input type="checkbox"/>		

VALIDATION

CR. M.O. CASH

ROBERT A. WOOD
SUPERVISING MECHANICAL ENGINEER

LAC 07235 MAR 9 10 5.00

[Handwritten Signature]

DEPARTMENT OF COUNTY ENGINEER
COUNTY OF LOS ANGELES
JOHN A. LAMBIE, COUNTY ENGINEER
BUILDING AND SAFETY DIVISION

To: Chief Building Inspector—Attn. Supervisor of Special Inspectors

SUBJECT: JOB ASSIGNMENT OF SPECIAL INSPECTORS

This portion to be filled in by the personnel of the district office

DISTRICT NO. 1
CONTRACTOR L. P. J. P. Address 5256-15260 Ely Street
OWNER Combuilt Corp. Address
SPECIAL INSPECTOR Wm. T. Cotnam Address 2739 G. St. L. 54
CARD NO. 94 Phone No. 31850
CLASSIFICATION: CONCRETE MASONRY () WELDING ()

This portion to be filled in by Special Inspector

I made personal contact with the above District Office: DATE 1-8-59
I will commence inspection of the above job: DATE 1-8-59
I will agree to give constant personal inspection on the above job on work assigned to me as SPECIAL INSPECTOR during progress of said assigned work. Wm. T. Cotnam
Signature of Special Inspector

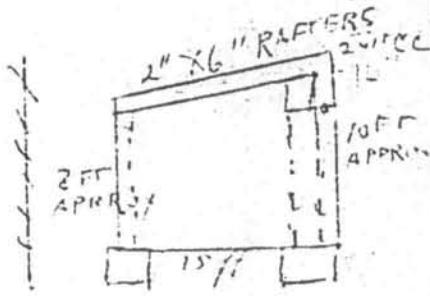
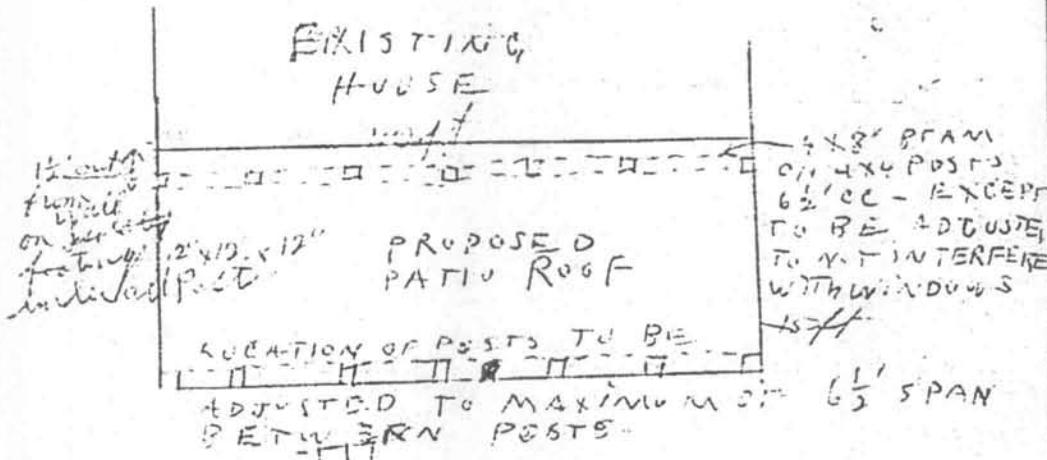
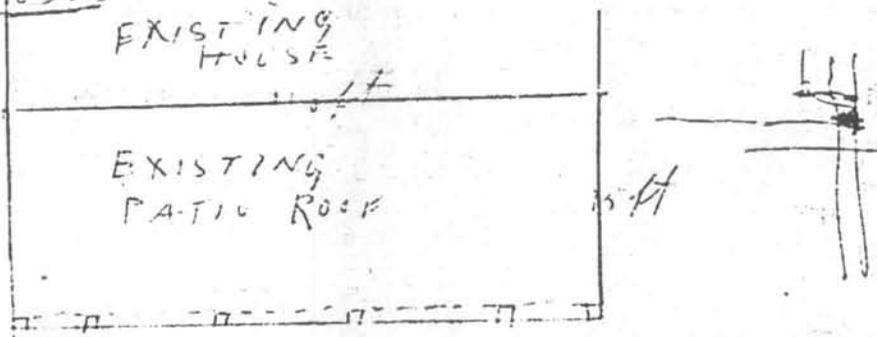
Make duplicate copies.
Original Copy to Central Office.

per phone

MR. TORRES (OWNER)

5260 ELIZABETH ST. CUDAHY CALIF

(CARROLL S. THOMPSON (CONTRACTOR))
565-0525



ALL RAFTERS TO BE ATTACHED TO POSTS WITH T STRAPS OR ANGLE STRAPS

BUILDING DEPARTMENT
 City of South City
 APPROVED ALL POSTS TO BE SECURED TO
 FOOTINGS WITH POST ANCHORS

By *[Signature]*

SEE ADDENDUM SHEET ROOF

This set of plans and specifications shall be the basis for the construction of all work shown on these plans and specifications. It is the responsibility of the contractor to verify all dimensions and conditions of the site before construction. The Building Department shall not be held responsible for any errors or omissions on these plans and specifications. The stamping of this plan and specifications shall not be held in lieu of or as an approval of the violation of any provisions of the City or State Law.

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
BUILDING AND SAFETY DEPARTMENT
JOHN A. LAMBIE, County Engineer

SPECIAL INSPECTOR'S WEEKLY REPORT

This report covers work completed during week ending JAN 12 19 59
Location of job 5256 & 5260 ELIZABETH ST District No. 1
Work Inspected DRILL & CONCRETE CAISSONS Building Permit No. 7124 & 7123
General Contractor COR. BUILT

Concrete _____

Masonry Contractor _____

Welding _____

Description of Work

DRILLED 4 CAISSONS THRU 8-10 FT FILL
TO RIVER SAND @ 5260 ELIZABETH ST
& FILLED WITH CONCRETE

DRILLED 5 CAISSONS THRU 8-10 FT FILL
TO RIVER SAND @ 5256 ELIZABETH ST
& FILLED WITH CONCRETE

Remarks

1.1) GOOD GROUND ABOVE WOULD HAVE REQ'D
ABOUT 9 CY CONCRETE BUT CAVEINS
CLEANED OUT & JOB REQ'D 17 CUYDS

All work on this job to date has been satisfactorily completed and conforms to the approved plans and requirements of the Los Angeles County Building Code.

1-12-59
Date

William T. Corium #94
Special Inspector

Professional Profile

Laura Botzong has been engaged in the environmental sector since 2011 with experience in environmental consulting, environmental field work, environmental education, and sustainable solutions. Ms. Botzong has worked directly with clients and regulatory bodies to investigate historical and current site use and help clients achieve compliance with federal regulations for residential and commercial properties. Ms. Botzong's experience includes management of all stages of environmental projects including Phase I Environmental Site Assessments, Transaction Screen Assessments, and Database Reviews.

Current Responsibilities

Ms. Botzong is currently responsible for:

- Project Management of Phase I Environmental Site Assessments, Database Reviews, Transaction Screen Assessments
- Field activities including site inspections
- Liaising with regulatory agencies including the Regional Water Quality Control Board, Air Quality Management District, Los Angeles Fire Department, and counties throughout Northern and Southern California, Texas and Arizona

Education and Background

- University of California, Santa Barbara
Bachelor of Science in Environmental Studies

Certifications

- OSHA 40-Hour Hazardous Waste Operations and Emergency Response Certified

Professional Profile

Monica Noeng has been engaged in the environmental sector since 2006 with experience in environmental consulting, environmental education, and sustainable solutions. Ms. Noeng has worked directly with clients and regulatory bodies to investigate historical and current site use and help clients achieve compliance with federal regulations for residential and commercial properties. Ms. Noeng's experience includes management of all stages of environmental projects including Phase I Environmental Site Assessments, Limited Environmental Site Assessment, and Transaction Screen Assessments.

Current Responsibilities

Ms. Noeng is currently responsible for:

- Project Management of Phase I Environmental Site Assessments, Limited Environmental Site Assessments, and Transaction Screen Assessments
- Field activities including site inspections
- Liaising with regulatory agencies including the Regional Water Quality Control Board, Air Quality Management District, City of Los Angeles, and counties throughout Northern and Southern California, Texas and Arizona.

Education and Background

- University of California Santa Barbara:
Bachelor of Arts in Environmental Studies

Certifications

- OSHA 40-Hour Hazardous Waste Operations and Emergency Response Certified

Professional Profile

Noli Valera is an experienced environmental professional and has been in the environmental consulting industry since 2006. His due diligence experience has included preparation of Phase I Environmental Site Assessments and Transactions Screen assessments, residential, commercial and industrial property audits, dry cleaning facility audits, and groundwater and soil sampling. His industrial hygiene experience has included indoor air quality and microbial investigations, and asbestos/lead/PCB surveys and abatement oversight. He has also provided client services for regulatory compliance projects, which include development of SPCC plans, hazardous material reports, and emergency response plans for various clients.

Current Responsibilities

Mr. Valera is currently responsible for:

- Project Management of Phase I Environmental Site Assessments and other due diligence type assessments.
- Communicating with regulatory agencies, including DTSC, Los Angeles RWQCB, and other Southern California regulatory agencies.
- Client relations and training staff members.

Education and Background

- University of California, Berkeley
Bachelor of Arts in Environmental Sciences, 2006
- Loyola Marymount University
Master of Science in Civil Engineering, 2015 (expected)

Certifications

- OSHA 40-Hour Hazardous Waste Operations Certified
- California Division of Occupational Safety & Health (DOSH) Certified Site Surveillance Technician (CA, #08-4415, 2008)
- California Department of Public Health (DPH) Certified Lead Sampling Technician (CA, #21468)

Professional Profile

Matthew Rodda has 15-years of experience working as an environmental professional. Mr. Rodda has worked directly with clients and regulatory bodies to assess environmental conditions, develop plans by which to resolve such conditions, and carry out the planned approach to resolution. Mr. Rodda's experience includes all stages of environmental projects including Phase I Environmental Site Assessments, soil and groundwater testing and sampling (Phase II), site characterization, risk assessments, remediation feasibility studies, and remediation. In addition Mr. Rodda has overseen the abandonment of underground storage tanks (USTs) and other regulated subsurface structures and regularly provides third party consulting services on behalf of private parties and public agencies. Mr. Rodda has successfully obtained closure for numerous potential Brownfield sites under the oversight of Department of Toxic Substances Control (DTSC), Los Angeles Regional Water Quality Control Board (RWQCB), Santa Ana RWQCB, Los Angeles County Fire Department, Orange County Health Care Agency, Ventura County Environmental Health, and several local CUPAs.

Current Responsibilities

Mr. Rodda is currently responsible for:

- Senior Project Management of Phase I Environmental Site Assessments typically involving retail, light industrial/warehouse, and industrial properties.
- Senior Project Management of Phase II Investigations including dry cleaning operations, gas stations and industrial facilities.
- Senior Project Management of Site Characterization Projects involving fuel and industrial solvent related releases.
- Overseeing Brownfield reuse investigation and cleanup programs.
- Project Management of site remediation projects involving leaking underground storage tanks and industrial releases of PCE and TCE with the oversight of regulatory bodies.
- Provides third party consultation services for entities directly and indirectly involved in DTSC and Regional Water Quality Control Board Actions
- Training and education of employees and clients
- Marketing, client relations, business development

Assignment History**Former Industrial Property – Los Angeles County, California**

Conducted Phase II investigation and site characterization that resulted in the advancement of over 30 soil borings to over 100-feet in depth. PCE contamination was encountered to approximately 90-feet below ground surface over an area in excess of 50,000 square feet. Seven groundwater-monitoring wells were installed to approximately 140-feet below ground surface. A remediation workplan was provided to the overseeing regulatory agency that included the installation of 27 vapor extraction wells. The vapor wells and remainder of vapor extraction system was installed and operated at the site for several years. The system performance exceeded our expectations and DTSC and RWQCB goals for the protection of human health via all exposure pathways including vapor intrusion risk and groundwater protection were met and closure was granted.

Oil Field Properties

A total of seven oil wells, two mud pits, and several pipelines were identified at a development project in Los Angeles. All seven oil wells were subject to review by the Department of Oil, Gas, and Geothermal Resources (DOGGR). The review consisted of identifying, by survey the location of the wells, a file review of the well abandonment logs to ensure the wells were abandoned to current standards, and methane testing of the wells. The mud pits were investigated and were deemed to be free of hazardous materials. The pipelines were excavated and removed and contaminated soils associated with pipeline leaks were removed and transported

to a receiving facility for bioremediation. Extensive methane mitigation systems according to the Los Angeles Department of Building and Safety, Methane Mitigation Standard were installed at the property including vent cones and passive methane venting systems beneath the new structure.

Jordan Downs

An EPA All Appropriate Inquiry 40 CFR Part 312 Phase I ESA was conducted of An area approximately 100 acres in size consisting of mixed uses, including residential, educational, and industrial properties, pursuant to an Environmental Impact Report (EIR) for CERCLA compliance. A large portion of the site is developed for residential and educational use, while the remainder has been utilized for industrial purposes since at least the 1930s. Due diligence research established a history of steel mills, metal recycling facilities, metals plating, and auto repair. Based on the findings Andersen Environmental was then requested to perform a geophysical of a specific industrial property, consisting of approximately 22-acres, within the overall redevelopment area. The geophysical survey was conducted to verify if any subsurface structures exist throughout the site. Upon completion of the geophysical survey Andersen Environmental recommended that specific area be excavated (potholing) to verify anomalies encountered during the geophysical survey.

Andersen Environmental excavated over 40 locations throughout the site and was able to uncover and dismiss most locations of environmental concerns relating to subsurface structures.

Subsequently, Housing Authority requested that Andersen Environmental conduct a Phase II site assessment throughout the site to screen for various chemicals of concern.

Upon completion of phase I analysis Housing Authority hired Andersen Environmental to act as primary contact to the Department of Toxic Substance Control (DTSC). In this role Andersen Environmental is working with the Housing Department and the DTSC to provide a process that is transparent to the public, satisfy the DTSC requirements, and assist the Housing Authority in redeveloping the area in a safe manner. As part of this process Andersen Environmental is currently creating a more extensive site characterization plan and has begun creating a remediation workplan, which will include a Risk Assessment Analyses for the site on data that has already been collected, the site characterization workplan had been subsequently approved by the DTSC.

Education and Background

- California Polytechnic State University, San Luis Obispo:
Concentration in Earth Sciences

Certifications

- OSHA 40-Hour Hazardous Waste Operations Certified

Summary

Fields of Experience: Phase I Environmental Site Assessments, Phase II Site Assessments, Site Characterization, Remediation, Third Party Consultation.

Agency Experience: DTSC, LARWQCB, SARWQCB, Los Angeles County Fire Department, Orange County Health Care Agency, Ventura County Environmental Health, and several local CUPAs

Certifications: R.E.A. No.: 07934, OSHA 40-hour Certified