APR-22-1999 08[redacted]

Date: [redacted]

To: [redacted]

Phone: [redacted]
Fax: 510-637-9335

From: Peter McIntyre
RE Omega Termites – 807 75th Street Oakland

Pages: 8 (including this cover page) #1650

Subject:

Barney – This brief report was forwarded to us by Mr. Kanady regarding the stockpiled soil sampling. According to Mr. Kanady, it has been tilled at least once since it was excavated. At this point, we are still looking forward to going ahead with the well install. Please call with any questions/comments.

Thanks

Peter

Need to cover the spoils until reused/disposed

The County should have [illegible] of this work & [illegible] Still need to know [illegible] on soil [illegible] size [illegible] depth of [illegible]

* May want to run WET on S4 or S5 sample for Pb.

V:\Templates\Invoices, Letters, etc\AEI Fax Cover.[illegible]

GeoPlexus, Inc.

Health & Safety Training • Geo/Environmental Personnel • Engineering Geology Consultants • Environmental Management Consultants

November 24, 1998

Mr. Allen Kanady, Jr.
Omega Pest Control
807 75th Avenue
Oakland, CA 94621

COPY

Subject: Stockpile Soil Sampling and Analytical Testing, 807 75th Avenue, Oakland, CA
Reference: (a) Proposal for Excavation Backfill, 807 75th Avenue, Oakland, CA dated October 15, 1998

Dear Mr Kanady:

In accordance with our October 15, 1998 Proposal, reference (a), Geo Plexus, Incorporated personnel visited the subject site on November 12, 1998 to sample the existing stockpiled soils to evaluate the suitability of this soil as backfill material for the existing tank excavation. This Letter Report presents the results of the analytical testing along with our conclusions and recommendations.

To define/characterize the hydrocarbon compounds present in these stockpiled soils, eight (8) discrete soil samples were collected from the stockpile at the approximate locations indicated on the attached Figure. The samples were collected by hand excavating shallow test pits into the stockpile at eight (8) locations. Pre-cleaned brass lines were then advanced into the soil and the liners were then capped with teflon tape and plastic caps. The samples were labeled and placed into a chilled cooler and transported to the analytical testing laboratory under chain-of-custody documentation.

The samples were analyzed for: Total Petroleum Hydrocarbons as gasoline; Volatile Aromatic Compounds (BTEX and MTBE); and Total Lead in accordance with the State of California, Regional Water Quality Control Board and Alameda County Guidelines. The Chain-of Custody Form and the analytical test data are attached for your use.

The results of the analytical testing indicate that, although there are negligible concentrations of residual petroleum compounds in the soil, the concentrations of Lead are excessive and the soil is not likely to be accepted by the regulatory agencies for re-introduction back into the excavation. In addition, the stockpiled soils would potentially be classified as hazardous and may not be acceptable to Class III Landfill facilities.

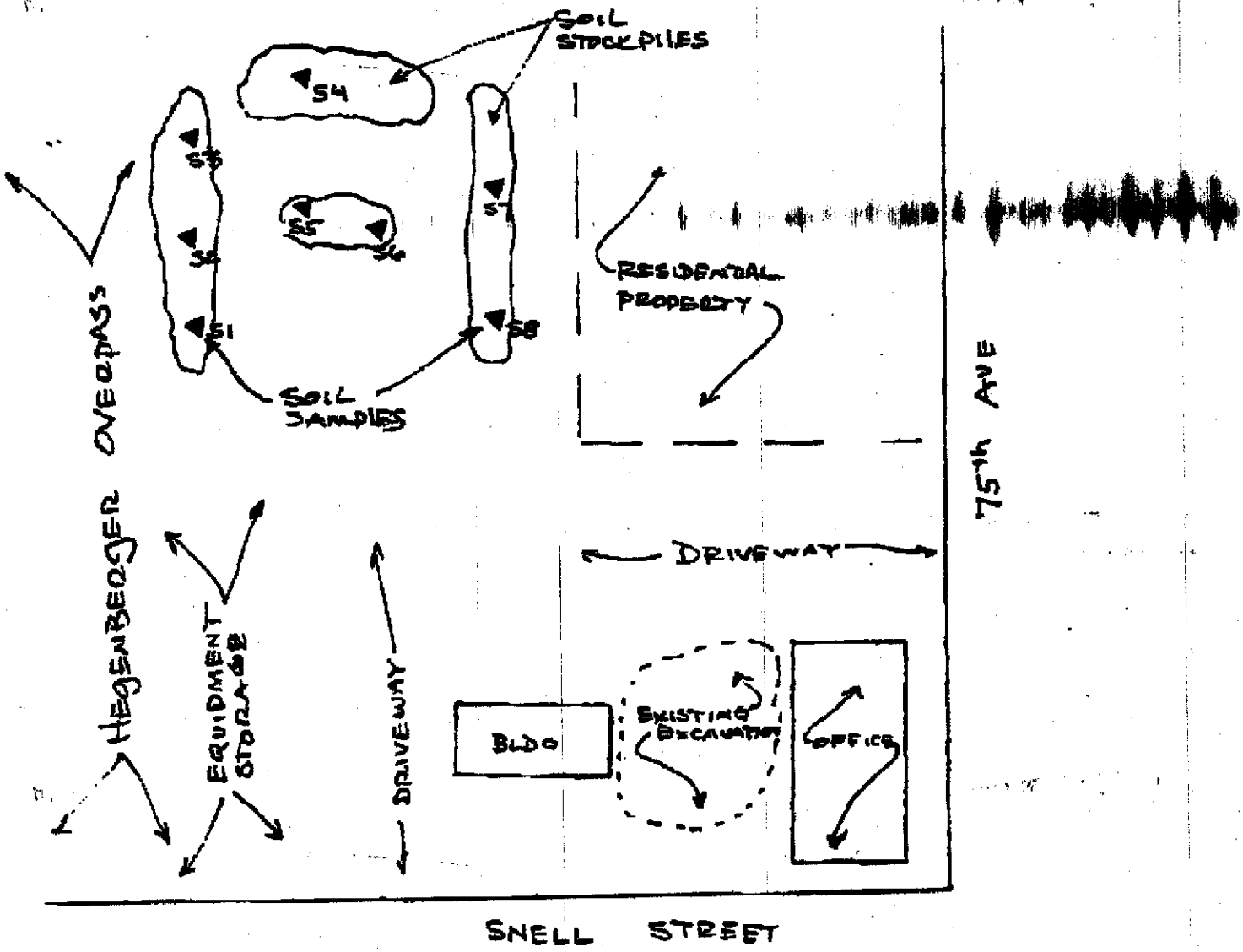
It is recommended that the samples be further analyzed to evaluate the soluble fraction of lead and/or proceed directly with a soil stabilization/treatment program to reduce the concentrations of lead compounds for disposal at a Class III landfill facility or for further consideration as backfill material.

We appreciate the opportunity to serve you

Respectfully submitted,
Geo Plexus, Incorporated

Cathrene Diane Glick, CEG 1338, HG 32
Director, Geologic and Environmental Services

1900 Wyatt Drive, Suite 1 • Santa Clara, California 95054 • Phone 408/987-0210 • FAX 408/988-0815



OMEGA DEBT CONTROL		
DATE 4/12/99	SCALE NTS	DRAWN BY CG
SAMPLE PLAN		
	Figure 1	

GeoPlexus, Inc.

13003xGP405 Phone [illegible] Fax [illegible]

PROJECT NUMBER	PROJECT NAME
C98032	OMBJA PEST CONTROL

Send Report Attention of:	Report Due	Verbal Due
CATHERINE GLICK	/ /	/ /

Sample Number	Date	Time	Comp	Grab	Station Location	Number of Cntnrs	Type of Containers	TPH/MTBE/[illegible]	LUFT METALS	Condition of Samples	Initial
S1	11/12/98	1142		/	STOCKPILE SOILS	1 EA	4" Brass Tube	✓	✓	98593	
S2	↓	1145		/	↓	↓	↓	✓	✓	98594	
S3	↓	1154		/	↓	↓	↓	✓	✓	98595	
S4	↓	1157		/	↓	↓	↓	✓	✓	98596	
S5	↓	1147		/	↓	↓	↓	✓	✓	98597	
S6	↓	1200		/	↓	↓	↓	✓	✓	98598	
S7	↓	1202		/	↓	↓	↓	✓	✓	98599	
S8	↓	1209		/	↓	↓	↓	✓	✓	98600	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	11/13/98 1:35	B. Butts	11-13 1:10
B. Butts	11-13 1615	[signature]	11-13-98 1615
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Remarks: STANDARD TURNAROUND

ICED ✓
GOOD CONDITION ✓
HEADSPACE ABSENT ✓

	VOAS	O&G	METALS	OTHER
PRESERVATION				

APPROPRIATE CONTAINERS ✓

McCAMPBELL ANALYTICAL INC.
110 Second Avenue South, #D7, Pacheco, CA 94553-5560
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http://www.mccampbell.com E-mail: main@mccampbell.com

Geo Plexus, Inc. 1900 Wyatt Drive, Suite 1 Santa Clara, CA 95054	Client Project ID: #C98032; Omega Pest Control	Date Sampled: 11/12/98
		Date Received: 11/13/98
	Client Contact: Cathrene Glick	Date Extracted: 11/13-11/17/98
	Client P.O:	Date Analyzed: 11/13-11/18/98

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)'	MTBE	Benzene	Toluene	Ethylben-zene	Xylenes	% Recovery Surrogate
98593	S1	S	ND	ND	ND	0.018	0.007	0.050	102
98594	S2	S	ND	ND	0.007	0.018	0.012	0.058	108
98595	S3	S	ND	ND	0.009	0.022	0.013	0.063	112
98596	S4	S	ND	ND	0.005	0.016	0.007	0.040	112
98597	S5	S	ND	ND	0.008	0.016	0.007	0.041	107
98598	S6	S	1.1,a	ND	ND	0.017	0.008	0.051	106
98599	S7	S	1.0,a	ND	0.007	0.029	0.011	0.079	106
98600	S8	S	ND	ND	0.005	0.012	0.005	0.033	110
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SPLP extracts in ug/L.

' clustered chromatogram; sample peak coelutes with surrogate peak

"The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?), c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?, e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present. i) liquid sample that contains greater than ~5 vol. % sediment; j) no recognizable pattern.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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

Geo Plexus, Inc. 1900 Wyatt Drive, Suite 1 Santa Clara, CA 95054	Client Project ID: #C98032; Omega Pest Control	Date Sampled: 11/12/98
		Date Received: 11/13/98
	Client Contact: Catherine Glick	Date Extracted: 11/13/98
	Client P.O:	Date Analyzed: 11/17/98

LUFT Metals*

EPA analytical methods 6010/200.7, 239.2*

Lab ID	Client ID	Matrix	Extraction*	Cadmium	Chromium	Lead	Nickel	Zinc	% Recovery Surrogate
98593	S1	S	TTLC	0.67	37	44 ✓	58	200	102
98594	S2	S	TTLC	1.3	39	86	71	360	99
98595	S3	S	TTLC	1.0	31	73	65	300	101
98596	S4	S	TTLC	1.1	32	120	56	240	101
98597	S5	S	TTLC	1.2	33	120	53	440	95
98598	S6	S	TTLC	0.95	38	58	75	350	99
98599	S7	S	TTLC	1.9	33	55	60	810	94
98600	S8	S	TTLC	0.88	36	82	48	210	98

Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLC	0.5 mg/kg	0.5	3.0	2.0	1.0
	W	TTLC	0.005 mg/L	0.005	0.005	0.05	0.05
	—	STLC, TCLP	0.01 mg/L	0.05	0.2	0.05	0.05

* water samples are reported in mg/L, soil and sludge samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / SPLP extracts in mg/L
* Lead is analyzed using EPA method 6010 (ICP)for soils, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples
* EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(organic matrices,TTLC), 3050(solids,TTLC); STLC - CA Title 22
* surrogate diluted out of range; N/A means surrogate not applicable to this analysis
* reporting limit raised due to matrix interference
i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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110 2nd Avenue South, #D7, Pacheco, CA 94553
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QC REPORT FOR HYDROCARBON ANALYSES

Date: 11/13/98-11/14/98 Matrix: SOIL

Analyte	Concentration (mg/kg) Sample (#95603)	MS	MSD	Amount Spiked	% Recovery MS	% Recovery MSD	RPD
TPH (gas)	0.000	1.788	1.761	2.03	88	87	1.5
Benzene	0.000	0.208	0.208	0.2	104	104	0.0
Toluene	0.000	0.210	0.214	0.2	105	107	1.9
Ethylbenzene	0.000	0.212	0.212	0.2	106	106	0.0
Xylenes	0.000	0.638	0.640	0.6	106	107	0.3
TPH(diesel)	0	331	331	300	110	110	0.1
TRPH (oil and grease)	0.0	19.3	19.6	20.8	93	94	1.5

% Rec. = (MS - Sample) / Amount Spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

McCAMPBELL ANALYTICAL INC.
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QC REPORT FOR ICP and/or AA METALS

Date: 11/17/98-11/18/98 Matrix: SOIL

Extraction: TTLC

Analyte	Concentration (mg/kg,mg/L) Sample	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
Total Lead	0.0	4.75	4.77	5.0	95	95	0.3
Total Cadmium	0.0	5.02	5.02	5.0	100	100	0.2
Total Chromium	0.0	4.89	4.86	5.0	98	97	0.7
Total Nickel	0.0	4.91	4.81	5.0	98	96	2.0
Total Zinc	0.0	4.92	4.90	5.0	98	98	0.5
Total Copper	0.00	4.61	4.60	5.0	92	92	0.3
Organic Lead	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100