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(916) 668-5300

CALIF CONTRACTOR #513857 A CORPORATION
REGISTERED GEOLOGISTS

Mr. John Rutherford
Desert Petroleum
P.O. Box 1601
Oxnard, California 93032
(805) 644-5892
FAX (805) 654-0720

September 1, 1994

Dear Mr. Rutherford:

As requested by Ms. Jennifer Eberie, HMS, of Alameda County Health (510)271-4530, sample number "WO-Bottom" was analyzed for the metals chromium and nickel. The table has been updated with these laboratory results, see Table 1 and Appendix A - Laboratory Report. This sample represents the base of the waste oil tank excavation cavity at former Desert Petroleum Station 796, located at 2844 Mountain Blvd., Oakland, Alameda County, California.

Due to the higher than background concentrations of chromium and nickel discovered in the initial sample taken beneath the fill of the removed waste oil tank at the 7½ foot depth, WO-1. Ms. Eberie requested that sample WO-BOTTOM be analyzed for chromium and nickel to confirm removal of the metal tainted soil. WO-BOTTOM was obtained at the eight foot depth from the bottom of the excavation cavity. On July 22, 1994, WEGE contacted the laboratory that was holding the samples and requested the analysis. The laboratory report indicates that this sample contains chromium and nickel in concentrations that would be considered background for this area, ie. 13 mg/Kg and 7.2 mg/Kg respectively. The higher than background metals were removed from the cavity when the waste oil tank cavity was over-excavated to the eight foot depth.

LIMITATIONS

This report is based upon the following:

- A. The observations of field personnel.
- B. The results of laboratory analyses performed by a state certified laboratory.
- C. Referenced documents.
- D. Our understanding of the regulations of the State of California, Alameda County and the City of Oakland.

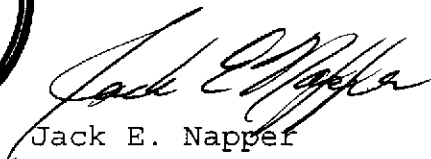
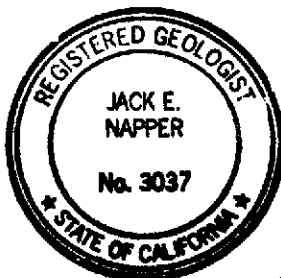
The services performed by Western Geo-Engineers, a corporation, under California Registered Geologist #3037 and/or Contractors License #513857, have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in

the State of California and the Oakland area. Our work and/or supervision of remediation and/or abatement operations, active or preliminary, at this site is in no way meant to imply that we are owners or operators of this site. Please note that known contamination of soil and/or ground water must be reported to the appropriate agencies in a timely manner. No other warranty, expressed or implied, is made.

Sincerely yours,



George L. Converse
Project Geologist



Jack E. Napper

TABLE 1

SOIL SAMPLE CERTIFIED LABORATORY CHEMICAL RESULTS

FORMER DESERT PETROLEUM #796

ND BELOW DETECTION LIMITS

2844 Mountain Blvd.

NA NOT ANALYZED FOR

Oakland, California

ALAMEDA COUNTY HEALTH - WASTE OIL TANK REMOVAL (April 27, 1994)

EXCAVATED SOIL PILE, APPROXIMATELY 40 CUBIC YARDS

REMOVED FROM SITE TO LAIDLAW, BY MANLEY & SONS TRUCKING.

=====						
ALL RESULTS IN	mg/Kg	milligrams/Kilogram, parts per million (ppm)				
=====						
SAMPLE LOCATION	OVER EXCAVATE WASTE OIL EXCAVATION					
	BENEATH WO TANK	BOTTOM	SIDEWALL WERNER STREET	SIDEWALL MOUNTAIN BLVD	SIDEWALL RESTAURANT	SIDEWALL BUILDING
=====						
SAMPLE ID#	WO-1	WO-BOTTOM	SW-WERNER	SW-MOUNTAIN	SW-REST	SW-BUILDING
DATE SAMPLED	4/27/94	4/27/94	4/27/94	4/27/94	4/27/94	4/27/94
SAMPLE DEPTH	7.5	8	6.5	6	5.5	6.5
LABORATORY METHOD 8015M						
GASOLINE						
5030	160	38	<1	<1	<1	6.2
DIESEL	<1	<1	<1	<1	<1	<1
mg/Kg						
LABORATORY METHOD 5520E						
OIL AND GREASE	4600	700	<100	<100	120	280
LABORATORY METHOD 8020						
BENZENE	<0.05	0.18	<0.005	<0.005	<0.005	0.085
TOLUENE	0.073	0.25	<0.005	<0.005	<0.005	0.048
ETHYLBENZENE	0.7	0.12	<0.005	<0.005	<0.005	0.042
XYLENES	2.7	0.18	<0.015	<0.015	<0.015	0.11
8240-VOLATILE	ND	ND	ND	ND	ND	ND
LABORATORY METHOD 8270-SEMIVOLATILE ORGANICS						
POLYNUCLEAR AROMATICS						
ACENAPHTHENE	0.49	ND	ND	ND	ND	ND
ACENAPHTHYLENE	0.88	ND	ND	ND	ND	ND
ANTHRACENE	1.1	ND	ND	ND	ND	ND
BENZO [A] PYRENE	2	ND	ND	ND	ND	ND
BENZO [B] FLUORANTHENE	1.6	ND	ND	ND	ND	ND
BENZO [G, H, I] PERYLENE	0.38	ND	ND	ND	ND	ND
BENZO [K] FLUORANTHENE	0.39	ND	ND	ND	ND	ND
CRYSENE	0.68	ND	ND	ND	ND	ND
FLUORANTH	1.8	ND	ND	ND	ND	ND

TABLE 1

SOIL SAMPLE CERTIFIED LABORATORY CHEMICAL RESULTS

FORMER DESERT PETROLEUM #796

ND BELOW DETECTION LIMITS

2844 Mountain Blvd.

NA NOT ANALYZED FOR

Oakland, California

ALAMEDA COUNTY HEALTH - WASTE OIL TANK REMOVAL (April 27, 1994)

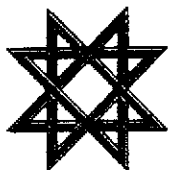
EXCAVATED SOIL PILE, APPROXIMATELY 40 CUBIC YARDS

REMOVED FROM SITE TO LAIDLAW, BY MANLEY & SONS TRUCKING.

=====

ALL RESULTS IN mg/Kg milligrams/Kilogram, parts per million (ppm)

SAMPLE LOCATION	OVER EXCAVATE WASTE OIL EXCAVATION					
	BENEATH WO TANK	BOTTOM	SIDEWALL WERNER STREET	SIDEWALL MOUNTAIN BLVD	SIDEWALL RESTAURANT	SIDEWALL BUILDING
SAMPLE ID#	WO-1	NO BOTTOM	SW-WERNER	SW-MOUNTAIN	SW-REST	SW-BUILDING
DATE SAMPLED	4/27/94	4/27/94	4/27/94	4/27/94	4/27/94	4/27/94
SAMPLE DEPTH	7.5	8	6.5	6	5.5	6.5
FLUORENE	1.8	ND	ND	ND	ND	ND
INDENO(1,2,3-C,D) PYRENE	0.66	ND	ND	ND	ND	ND
NAPHTHALENE	21	ND	ND	ND	ND	ND
PHENANTHRENE	4.9	ND	ND	ND	ND	ND
PYRENE	5.6	ND	ND	ND	ND	ND
PHENOLS						
PHENOL	0.45	ND	ND	ND	ND	ND
2,4-DICHLOROPHENOL	1.9	ND	ND	ND	ND	ND
4-CHLORO-3-METHYL-PHENOL	0.39	ND	ND	ND	ND	ND
4-NITROPHENOL	1.5	ND	ND	ND	ND	ND
PCB'S	ND	ND	ND	ND	ND	ND
ANILINES	ND	ND	ND	ND	ND	ND
CAM TTLC METALS						
CADMIUM	<0.1	NR	NR	NR	NR	NR
CHROMIUM	5	13	ok	NR	NR	NR
LEAD	31	NR	NR	NR	NR	NR
NICKEL	20	7.2	ok	NR	NR	NR
ZINC	25	NR	NR	NR	NR	NR



MATRIX

ENVIRONMENTAL LABORATORIES INC.

Western GEO Engineering
1386 Beamer Street
Woodland, Ca 95776

8/29/94

ATTN: George Converse

Re: Project: DP 796
Lab Reference Number: 4422
Date Samples Received: 4/28/94
No. Samples Received: 1 Additional Analysis

The samples were received by Matrix Environmental Laboratories intact and in good condition. Samples conformed to required sampling protocols for the requested analyses and were accompanied by required documentation.

Please call if we can be of further assistance.

Sincerely,

Charles R. Todd,
Laboratory Director

PROJECT I.D. <u>DP 796</u>					NO. of CONTAINERS	ANALYSIS														SAMPLE CONDITION ICED	COMMENTS:
PAGE <u>1</u> OF <u>1</u>		CLIENT CHAIN OF CUSTODY #				BTEX	TPH (TPH-G)	TPH-D	624/8240	MCD	825/8270	MOD	418/0&G	5520/558 O&G	METALS	CAMSTTLG	IIIC (SNI)				
LAB I.D. #	SAMPLE I.D.	DATE SAMPLED	TIME SAMPLED	MATRIX																	
941193	WO-1	7/27/94	1445	SOIL	0	1	X	X	X	X	X	X	X	X	X	X	X	X			
941194	SW-WERNER		1540		0	1	X	X	X	X	X	X	X	X							
941195	SW-MOUNTAIN		1600		0	1	X	X	X	X	X	X	X								
941196	SW-REST		1715		0	1	X	X	X	X	X	X	X								
941197	SW-BUILDING		1745		0	1	X	X	X	X	X	X	X								
941198	WO-BOTTOM		1830		0	1	X	X	X	X	X	X	X	X							

IF WO-1
⊕ for
any test,
analyze
all samples
for that
test.
If metals
low, call
George first

STD TAT
but start
today.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature) <i>George Converse</i>	Date/Time <i>7/28/94 9:30</i>	Received for Laboratory by: (Signature) <i>M Herten</i>

Special Instructions
Report To: Western GEO ; George Converse
Bill To: WGEO
Metals Cr, Ni added per g.c.
7-22-94. D.B.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS TTLC

CLIENT: Western GEO Engineering
CONTACT: G. Converse
COC No: 4422
Project No: DP 796
Sample ID: N/A
Lab ID: METHOD BLANK ✓

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 7/22/94
Matrix: SOIL

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT	Method
		mg/Kg (ppm)	
CHROMIUM	ND	.2	7190
NICKEL	ND	.2	7520

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS TTLC

CLIENT: Western GEO Engineering
CONTACT: G. Converse
COC No: 4422
Project No: DP 796
Sample ID: WO-BOTTOM ✓
Lab ID: 941198

Date Sampled: 4/27/94 ✓
Date Received: 4/28/94
Date Extracted: 7/22/94
Date of Analysis: 7/22/94
Matrix: SOIL

3 mo.

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT	Method
		mg/Kg (ppm)	
CHROMIUM	13. ✓	.2	7190
NICKEL	7.2 ✓	.2	7520

max
6 mo. holding time

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS LABORATORY CONTROL SPIKE SUMMARY

CLIENT: **Western GEO Engineering**
CONTACT: **G. Converse** Date Sampled: **N/A**
COC No: **4422** Date Received: **N/A**
Project No: **DP 796** Date Extracted: **N/A**
Sample ID: **N/A** Date of Analysis: **7/22/94**
Lab ID: **LCS/LCSD** Matrix: **SOIL**

COMPOUND	CONC SPIKED (PPM)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
CHROMIUM	3.5	3.4	3.4	97%	97%	0%
NICKEL	2.0	2.0	2.0	100%	100%	0%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION