desert petroleum inc.

ALCO HAZMAT

94 MAY 13 PM 2:29

John Rutherford
Director
Environmental Affairs

May 11, 1994

Ms. Eva Chu
Alameda County Health Care Services
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

RE: Waste Oil Storage Removal
Former Desert Petroleum Location
2008 First Street - Livermore, CA

Dear Ms. Chu:

Please find enclosed our report from Western Geo-Engineers which outlines the procedures and findings of the removal of one (1) waste oil tank and two (2) hydraulic hoists at our former location on 3-17-94.

As you are aware the property including the remaining three (3) UST's has been transferred by sale.

Desert however remains the responsible party for any remedial work for conditions existing prior to the sale of the property.

Very truly yours,

John D. Rutherford

cc: Chron
File

enclosures

0.5

ALCO
HAZMAT

94 MAY 10 PM 1:42

① Continue GMR
② Install add'l MWs
③ Copy of HW manifest for UST taken by Erickson

DESERT PETROLEUM
Station #795

WASTE OIL UST AND HYDRAULIC HOIST REMOVAL, OVER-EXCAVATION SAMPLE REPORT.

LOCATED AT

2008 1ST STREET
LIVERMORE, CALIFORNIA 94550

APRIL 26, 1994

BY

-WEGE-
WESTERN GEO-ENGINEERS
1386 E. BEAMER STREET
WOODLAND, CALIFORNIA 95776
(916) 668-5300

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WESTERN GEO-ENGINEERS
CALIF CONTRACTOR # 513857 A CORPORATION
REGISTERED GEOLOGISTS

1386 EAST BEAMER STREET
WOODLAND, CA 95776-6003
FAX (916) 662-0273
(916) 668-5300

April 26, 1994

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

Dear Mr. Rutherford:

The following report represents our findings during the waste oil tank and hydraulic hoist removal and the coincidental over-excavation of soil tainted with oil range hydrocarbons at former Desert Petroleum Station 795, located at 2008 First Street, Livermore, California 94550.

INTRODUCTION

Western Geo-Engineers (WEGE) obtained and documented the necessary samples during the underground storage tank (UST) and hydraulic hoist removal. Soil contaminated with oil range hydrocarbons was discovered beneath the waste oil tank and along the northern sidewall of the excavation, beneath the drain pipe to the waste oil tank. Also, soil tainted with hydraulic oil was discovered at the 8 foot depth of the eastern hoist excavation, see Figure 3 and Table 1. Limited over excavation of the waste oil tank area successfully removed the contaminant from the soil beneath and beside the waste oil tank. The following report documents the activities that have occurred at this site from the initial tank removal sampling (March 17, 1994) through the limited over excavation of the waste oil tank area (March 17-18, 1994).

LOCATION

Former Desert Petroleum #795 is located on the northeast corner of the intersection of North L Street and West 1st Street at 2008 1st Street, Livermore, California 94550, see Figure 1. Figure 2 is a portion of the U.S.G.S. Livermore, 1973 7.5 minute quadrangle map and shows the site at an approximate elevation of 485 feet above mean sea level in section 8; T3S; R2E; MDB&M. Figure 3 represents the station conditions during tank removal and shows sample locations.

LOCAL GEOLOGY, HYDROGEOLOGY AND GEOMORPHOLOGY.

GEOMORPHOLOGY

The site is situated on the floor of the Livermore Valley, a east-west trending valley within the Coastal Range Province of California. Erosion of the Coastal Ranges has filled this valley with sequences of gravels, silts, sands and clays. The valley is approximately 13 miles long (east-west) and 4 miles wide, completely surrounded by hills of the Diablo Range.

STRATIGRAPHY AND GROUND WATER OCCURRENCE

The Livermore Valley has two major sources of ground waer: the alluvial deposits, which make up the valley floor and the underlying Livermore Formation of Pliocene - Pleistocene age, which is exposed in the adjacent uplands. A third water producing formation located beneath the northern portion of the Livermore Valley is the Pliocene(?) age Tassajara Formation.

The Tassajara Formation, consists of fresh to brackish water bearing sandstone, tuffaceous sandstone, shale, and limestone and can be found outcropping north of Highway 580 in the Livermore Valley. Beneath the city of Livermore the Tassajara Formation is located approximately 750 feet below the surface. The beds of the Tassajara Foramtion in this area have been folded into a number of northwest trending anticlines and synclines. The ground water is a sodium bicarbonate water and quality is good.

The Livermore Formation is exposed over broad regions of the Livermore Valley and is found outcroping north of the City of Livermore. Sediments of the Livermore Formation are divided into two facies; a clay facies found only in Livermore Valley and the predominate gravel facies.

The clay facies is found outcropping along Greenville Road, in the southeastern part of Livermore Valley. It is composed of beds of dark colored silstone and claystone with a few thin lenses of clayey gravel. The clay facies is felt to be the lower portion of the Livermore Formation.

The gravel facies predominates and is typical of the Livermore Formation. It is composed of cobbles and boulders contained in a sandy clay matrix that is reddish brown. Ground water in this formation is sodium bicarbonate water of good to excellent quality, with moderate yields to wells (5 to 40 gpm).

The valley fill materials are divided into six separate units in the Livermore Valley: the Terrace Deposits occur along portions of the Arroyo Seco, Arroyo Mocho, Arroyo Valle, and Arroyo de la Laguna reaches; the Alluvial Fan Deposits-Clayey Facies found along the northern side of Livermore Valley; the Alluvium is found on the gently sloping central area of Livermore Valley and adjacent to active streams within the valley; the Basin Deposits,

occur in flat, poorly drained areas in the northern and western parts of Livermore Valley; the Stream Channel Deposits which occur along the active channels of Arroyo Seco, Arroyo Mocho, Arroyo Valle, Alameda Creek, San Antonio Creek and other streams; and the Alluvial Fan Deposits-Gravelly Facies beneath the City of Livermore and in the central and south-eastern portion of Livermore Valley.

The Alluvial Fan Deposits-Gravelly Facies consist of reworked Livermore gravels and terrace gravels, and are formed by outwash along major canyons within the valley. The City of Livermore is situated at the end of the Arroyo Mocho gravelly fan.

The excavation of the waste oil tank revealed a sequence of relatively flat lying dark grey clay and clayey gravel from the surface to approximately the five foot depth, a sandy gravel from the five foot depth to the twelve foot depth and sandy gravels/cobbles from the twelve foot depth to the base of the excavation at the fourteen foot depth, see Figure 4 and 5. No subsurface water was encountered, but the gravels were moist.

Ground water beneath this site has been gauged from monitor well MW-1 at 38.7 feet below ground surface (bgs) on September 21, 1993.

UST AND HYDRAULIC HOIST REMOVAL

Walton Engineering excavated and removed one 280 gallon waste oil tank and two hydraulic hoists on March 17, 1994. These site activities were witnessed by Ms. Eva Chu, Hazardous Materials Specialist, Alameda County Health Agency, see Appendix A. The waste oil tank and two hydraulic hoists were transported for disposal by Erickson Trucking that day.

The initial sample of the native soil beneath the waste oil tank was collected from the backhoe bucket and represents the seven foot ten inch depth of the excavation, directly beneath the waste oil tank fill. The excavation revealed a two brick thick red clay brick wall along the south sidewall of the excavation with a four to six inch thickness of drain rock (2-4" rounded gravel) in contact with the northern face of the brick wall. The wall extended from one and half feet bgs past the termination of the excavatin at the fourteen foot depth. This wall was in good condition (no cracks, etc.), see Figure 5. A Western Geo-Engineers (WEGE) geologist working directly under California Registered Geologist #3037 obtained the samples as required in the August 10, 1990 *TRI - REGIONAL BOARD STAFF RECOMMENDATIONS FOR PRELIMINARY EVALUATION AND INVESTIGATION OF UNDERGROUND TANK SITES*, see Figure 3, Table 1 and Appendix B - field notes from tank removal and soil sampling.

UST AND HOIST REMOVALS, SAMPLING AND RESULTS

Inspection of the UST after removal showed the tank to have only minor corrosion, and to be in good condition with no obvious holes or pitting. During removal of the waste oil UST odor and staining were noted from and in the soil beneath the tank and along the north sidewall of the excavation. Field observations indicated that this minor release probably occurred from the piping and/or the piping connections to the tank and not from the tank. The waste oil tank area was over excavated to the 14 foot depth and the north, east and west sidewalls were excavated (extended) approximately one to two feet. Field screening using a UV fluorescent scope with pentane extraction to determine if over-excavation had removed the petroleum hydrocarbons that were found staining the north sidewall and beneath the tank. The UV screening exploits petroleum hydrocarbons fluorescent characteristics under ultraviolet light. A sample obtained with the original soil sample WO-1, showed a bright yellow-gold fluorescence. Field screening and excavating continued until no visible fluorescence was detected. At that time confirmation samples were obtained from the base of the excavation (WO-Bottom), the northern sidewall at approximately the seven foot depth (WO-EW-7), the western sidewall at approximately the seven foot depth (WO-SW-7) and the eastern sidewall at approximately the seven foot depth (WO-SW-N). Ms. Eva Chu said she did not need a sidewall sample from the southern sidewall; it was protected by the red brick wall. Sample results showed that the field screening technique worked well for the oil range hydrocarbons that were found in the soil of the waste oil UST excavation, see Table 1 for certified laboratory results.

The UV field screening method was also tried on the hydraulic oil filled hoist excavations. The hoists were in good condition, with no obvious corrosion or pits. The soil generated from the hoist excavations was light brown fine sand with no odor or obvious staining. This soil was placed with the waste oil tank excavated soil. Immediate inspection under the UV scope indicated the absence of petroleum hydrocarbons and samples were obtained from the 7 1/2 foot depth in the western hoist excavation (HS-7 1/2) and the 8 foot depth in the eastern hoist excavation (HN-8). Upon receipt of the certified laboratory analysis, both samples showed hydraulic oil range hydrocarbons. The UV screening samples were re-examined and showed a faint dull yellow fluorescence, see Table 1 for certified laboratory results and Figure 3 for sample locations.

Other than the initial sample obtained beneath the waste oil tank (WO-1) which was obtained from the bucket of the backhoe, all other samples were obtained by first hand augering (4" bucket auger) approximately six inches into the native soil and then driving a 2" X 6" clean stainless steel sleeve into relatively undisturbed soil at each sample point. The sleeves were completely filled with the soil (no air space), then the ends were covered with teflon wraps, capped with plastic end caps and

sealed with duct tape. Each sleeved sample was then labeled with individual sample ID, time and date sampled and analysis to be performed. The sample was then placed into a zip lock baggie, sealed and placed on ice in a chest and cooled to 4^0C for chain of custody delivery to the American Environmental Network (AEN), 3440 Vincent Road, Pleasant Hill, California 94523, (510) 930-9090, (DHS Certified Laboratory #1172), see Appendix C.

The initial sample obtained beneath the waste oil tank (WO-1) was collected from the 7'10" depth and analyzed for Total Petroleum Hydrocarbons as Gasoline and Diesel (TPHg-d) 8015 modified, Oil and Grease 5520E, Benzene-Toluene-Ethylbenzene and Xylenes (BTEX), Volatile Organic Compounds 8240/8010, Semi Volatile Organic Compounds 8270, PCB's 8080, CAM Metals TTLC (Cd, Sr, Pb, Ni & Zn), and Soluble Lead, by California WET. BTEX, diesel range hydrocarbons, PCB's, Semi Volatile Compounds, and Cadmium were below detection limits. Gasoline range hydrocarbons and soluble lead were at the detection limits, and chromium, lead, nickel and zinc were detected at probable background levels. The 8010 analysis showed 0.14 mg/Kg of tetrachloroethene (PCE) and oil and grease was found at 19,000 mg/Kg.

As discussed with Ms. Chu, the confirmation samples obtained from the over-excavation of the waste oil area need only be analyzed for those compounds that were detected in the analysis of WO-1. These samples were analyzed for Oil and Grease, and volatile organic compounds (8010). Laboratory results were below detection limits for all compounds tested for, see Table 1.

As directed by Ms. Chu, samples obtained from the hydraulic hoist excavations were analyzed for hydraulic oil using method 8015/3550. The western hoist sample contained 1000 mg/Kg and the eastern hoist sample contained 74 mg/Kg petroleum hydrocarbons as hydraulic oil, see Table 1.

EXCAVATED SOIL SAMPLE RESULTS

Approximately 25 cubic yards of soil was removed from the waste oil tank excavation, and the two hoist excavations. This soil was combined into one pile (SP1) and placed on and covered with 6 mil polyethylene linear and left at the site for profiling for disposal. Four discrete soil samples were obtained (A, B, C & D) approximately 12 to 16 inches below the surface by a WEGE geologist and composed into one sample by the laboratory. This sample was tested for gasoline, diesel, oil & grease, BTEX, semi volatile organics, volatile organics, PCB's, the CAM 17 metals, STLC and TCLP lead. A request for rush turn around analysis was needed to profile this soil for immediate disposal. Results indicated that this soil had to be handled as a non RCRA, California Hazardous Waste. This soil was profiled and removed to Laidlaw-Buttonwillow, California by Manley and Sons on April 6, 1994, see Table 1, Figure 3 Appendix D.

The station is not now owned by Desert Petroleum, and at the

present owner's request, Desert had the excavations backfilled with clean imported sand and covered it with a concrete slab on March 18, 1994.

HEALTH AND SAFETY

This site has been classified as Level D. Common sense and standard construction safety measures are to be maintained at all times. All WEGE personnel involved with this site have a current Certificate for OSHA-SARA Safety Training, as prescribed in 29CFR 1910.120.

SUMMARY

Upon removal of the underground storage tank, oil range hydrocarbons were detected by odor and visual staining beneath the removed tank and along the northern sidewall of the excavation. The southern sidewall was contained by a two brick thick red clay brick wall that was in good condition, no cracks, etc. Over-excavation of the waste oil tank area to clean soil was accomplished. UV fluorescent screening of the soil successfully determined the impacted soil. Inspections and UV screening of the excavations after removal of the hydraulic hoists did not indicate that the soil in this area had been impacted. Only minor excavating occurred that was necessary to remove the hoists. This soil was placed with the soil from the waste oil excavation. Later laboratory reports indicated that these areas have been impacted by hydraulic oil. All excavated areas were immediately backfilled with clean sand and capped with concrete at the surface.

The excavated soil was manifested to Laidlaw, 2500 West Lokern Road, Buttonwillow, California for disposal as a non RCRA California Hazardous Waste.

BIBLIOGRAPHY

Teerink, John R., Director Department of Water Resources, April 25, 1974, EVALUATION OF GROUND WATER RESOURCES: LIVERMORE AND SUNOL VALLEYS, Bulleting No. 118-2, June 1974.

Rutherford, John, Director Environmental Affairs, Desert Petroleum Inc., INVITATION FOR BID DESERT PETROLEUM INC. #795, February 18, 1994.

LIMITATIONS

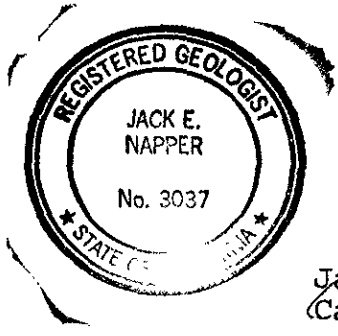
This report is based upon the following:

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 Livermore.

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 Sacramento 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
Ca. Reg. Geologist #3037

cc: Ms. Eva Chu, HMS, Alameda County Health (510)271-4530

TABLE 1
SOIL SAMPLE CERTIFIED LABORATORY CHEMICAL RESULTS
FORMER DESERT PETROLEUM #795
2008 FIRST STREET
LIVERMORE, CA 94550
ALAMEDA COUNTY HEALTH - WASTE OIL TANK AND HOIST REMOVAL (MARCH 17, 1994)

mg/Kg	milligrams/Kilogram, parts per million (ppm)	ND OR <	BELOW DETECTION LIMITS
ug/Kg	micrograms/Kilogram, parts per billion (ppb)	NR	NOT ANALYZED

SAMPLE LOCATION	SAMPLE ID#	DATE SAMPLED	DEPTH IN FEET BELOW SURFACE	LABORATORY METHOD 8015M GASOLINE 5030 mg/Kg	DIESEL mg/Kg	5520E OIL AND GREASE mg/Kg	8020 AND 8240 BENZENE ug/Kg	TOLUENE ug/Kg	ETHYL-BENZENE ug/Kg	XYLENES ug/Kg	8270 ug/Kg	6010 TETRACHLORO-ETHENE ug/Kg	1,2-DICHLORO-BENZENE ug/Kg	1,1,1-TRICHLORO-EHTANE ug/Kg	8080 PCB'S mg/Kg	3550 TPH AS HYDRAULIC OIL mg/Kg	CAM METALS TTLC CADMIUM mg/Kg	CHROMIUM mg/Kg	LEAD mg/Kg	NICKEL mg/Kg	ZINC mg/Kg	STLC LEAD mg/L
BENEATH WO TANK	WO-1	3/17/94	7.8	1	<50	19,000	<5	<5	<5	<5	ND	140	<5	<5	NR	NR	<0.1	23	33	58	30	0.5
OVER EXCAVATE WASTE OIL EXCAVATION																						
BOTTOM	WO-BOTTOM	3/17/94	14	NR	NR	<10	NR	NR	NR	NR	NR	<10	<5	<5	NR	NR	NR	NR	NR	NR	NR	NR
SOUTHWEST SIDEWALL	WO-SW-7	3/18/94	7	NR	NR	<10	NR	NR	NR	NR	NR	<10	<5	<5	NR	NR	NR	NR	NR	NR	NR	NR
NORTH SIDEWALL	WO-EW-7	3/18/94	7	NR	NR	<10	NR	NR	NR	NR	NR	<10	<5	<5	NR	NR	NR	NR	NR	NR	NR	NR
EAST SIDEWALL	WO-SW-N	3/18/94	7	NR	NR	<10	NR	NR	NR	NR	NR	<10	<5	<5	NR	NR	NR	NR	NR	NR	NR	NR
HYDRAULIC HOIST REMOVALS																						
EAST HOIST	HN-8	3/18/94	8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	1000	NR	NR	NR	NR	NR	NR
WEST HOIST	HS-7 1/2	3/18/94	7 1/2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	74	NR	NR	NR	NR	NR	NR
[redacted]ATED SOIL PILE, APPROXIMATELY 20 CUBIC YARDS, PROFILE				REMOVED FROM SITE TO LAIDLAW, BY MANLEY & SONS TRUCKING ON APRIL 6 1994.																		
	SP1-A	3/17/94	2														CAM 17 METALS CALIF. WET, STLC					LEAD
	SP1-B	3/17/94	2	COMPOSITED INTO ONE SAMPLE													CADMIUM	CHROMIUM	LEAD	NICKEL	ZINC	TCLP
	SP1-C	3/17/94	2														mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	SP1-D	3/17/94	2	62	<50	16000	<100	720	350	3100	ND	54	14	22	<0.05	NR	0.37	0.1	7.6	0.9	27	0.13

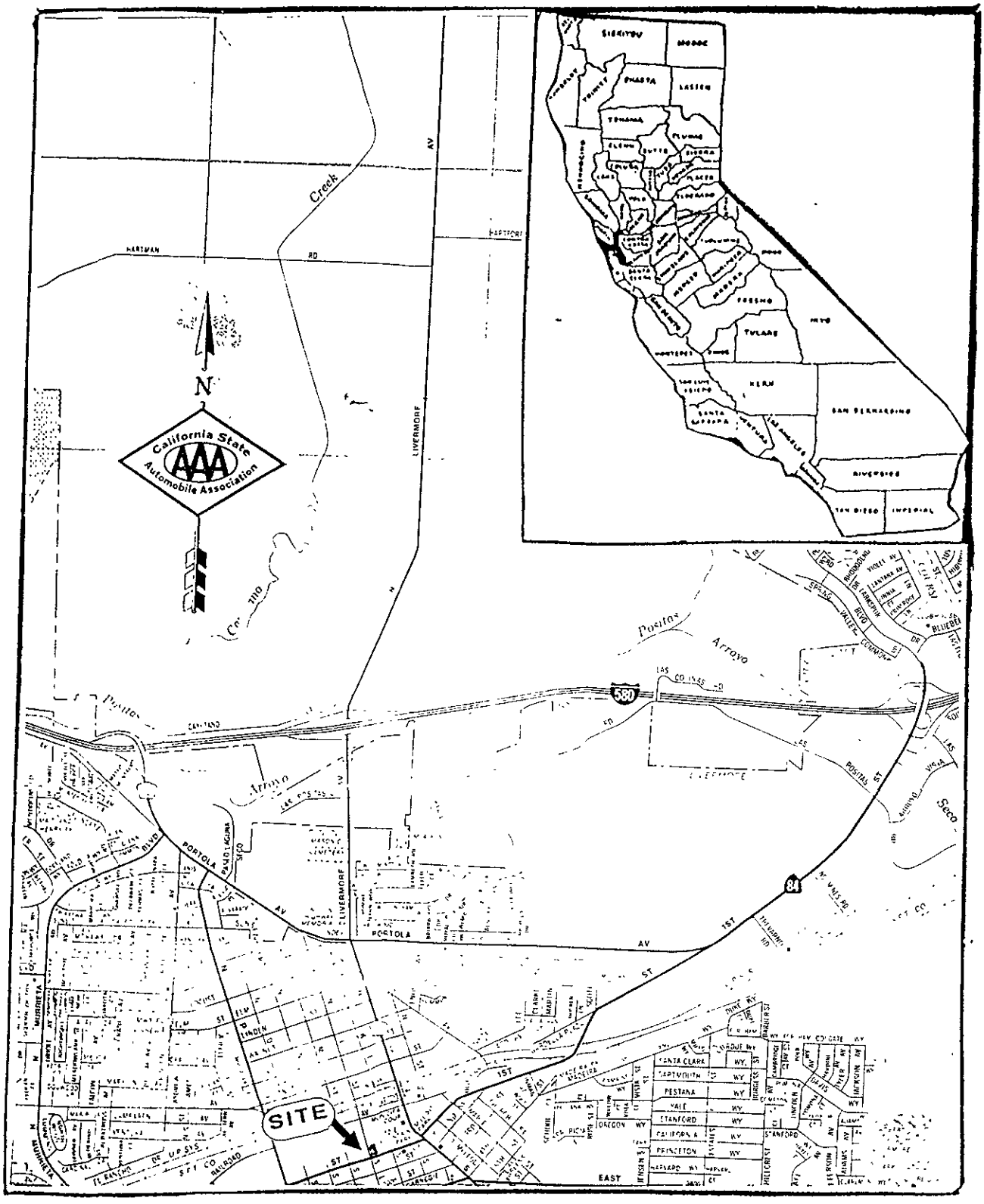


FIGURE 1

Location (AAA Map)

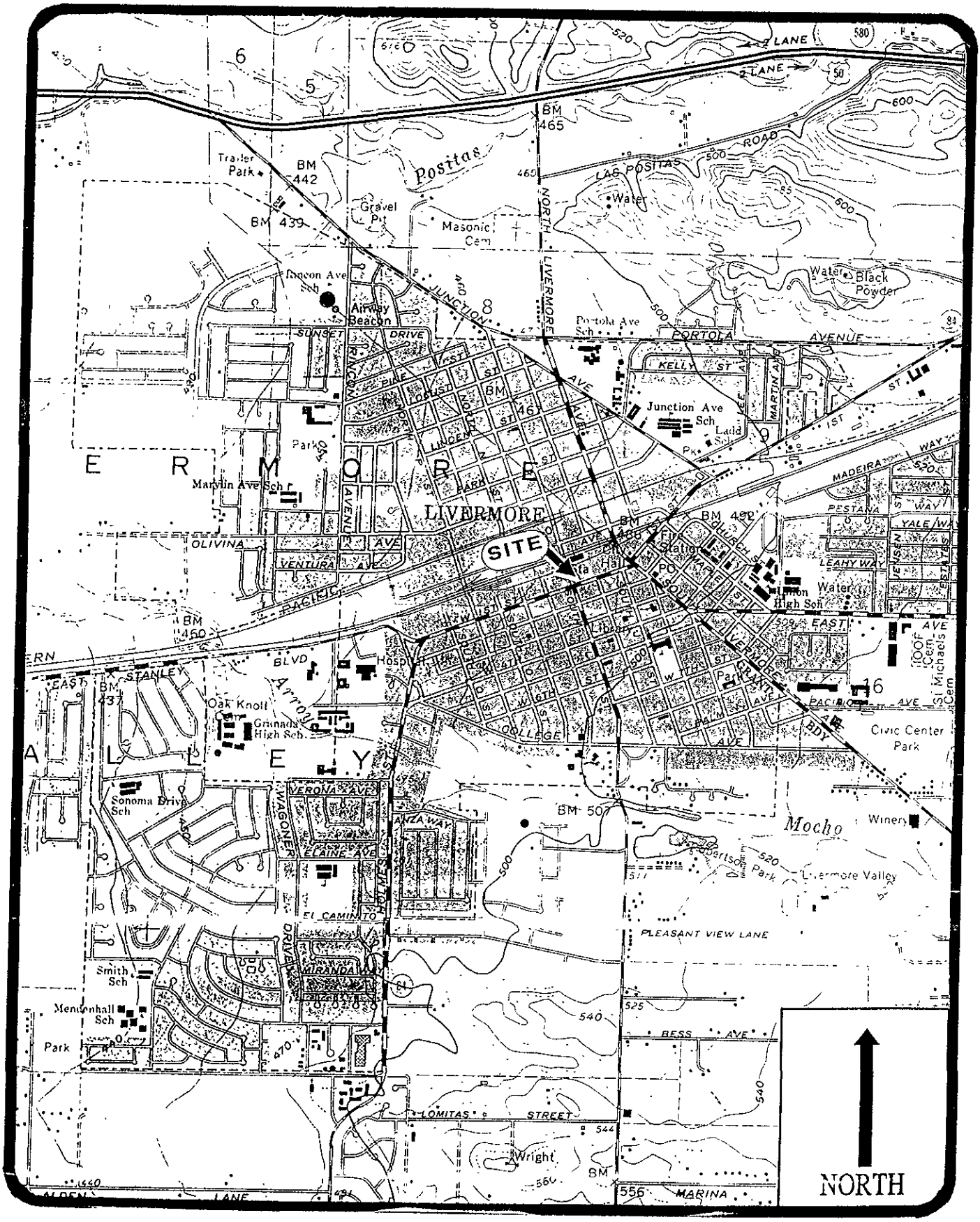


FIGURE 2, USGS TOPOGRAPHIC MAP

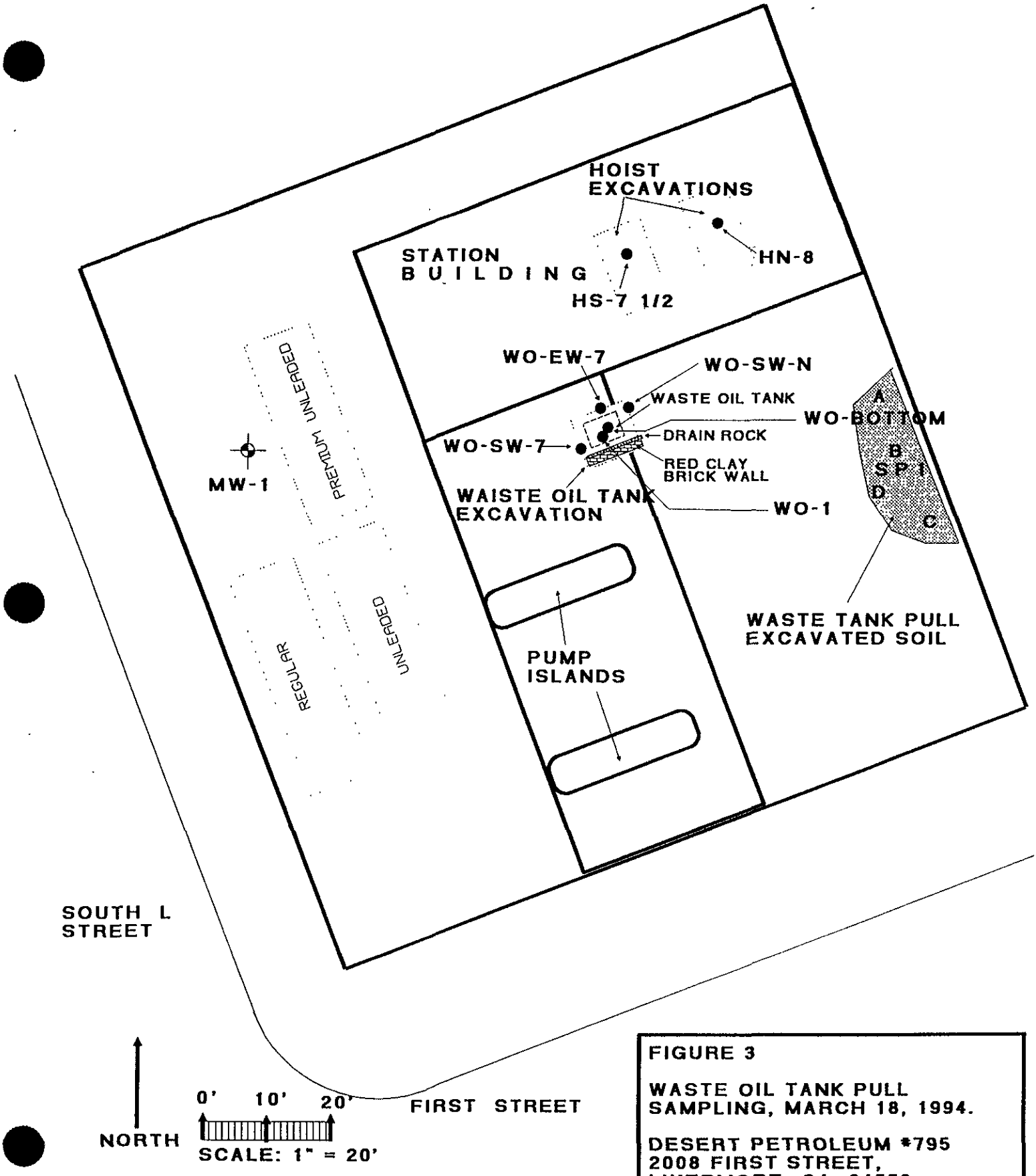
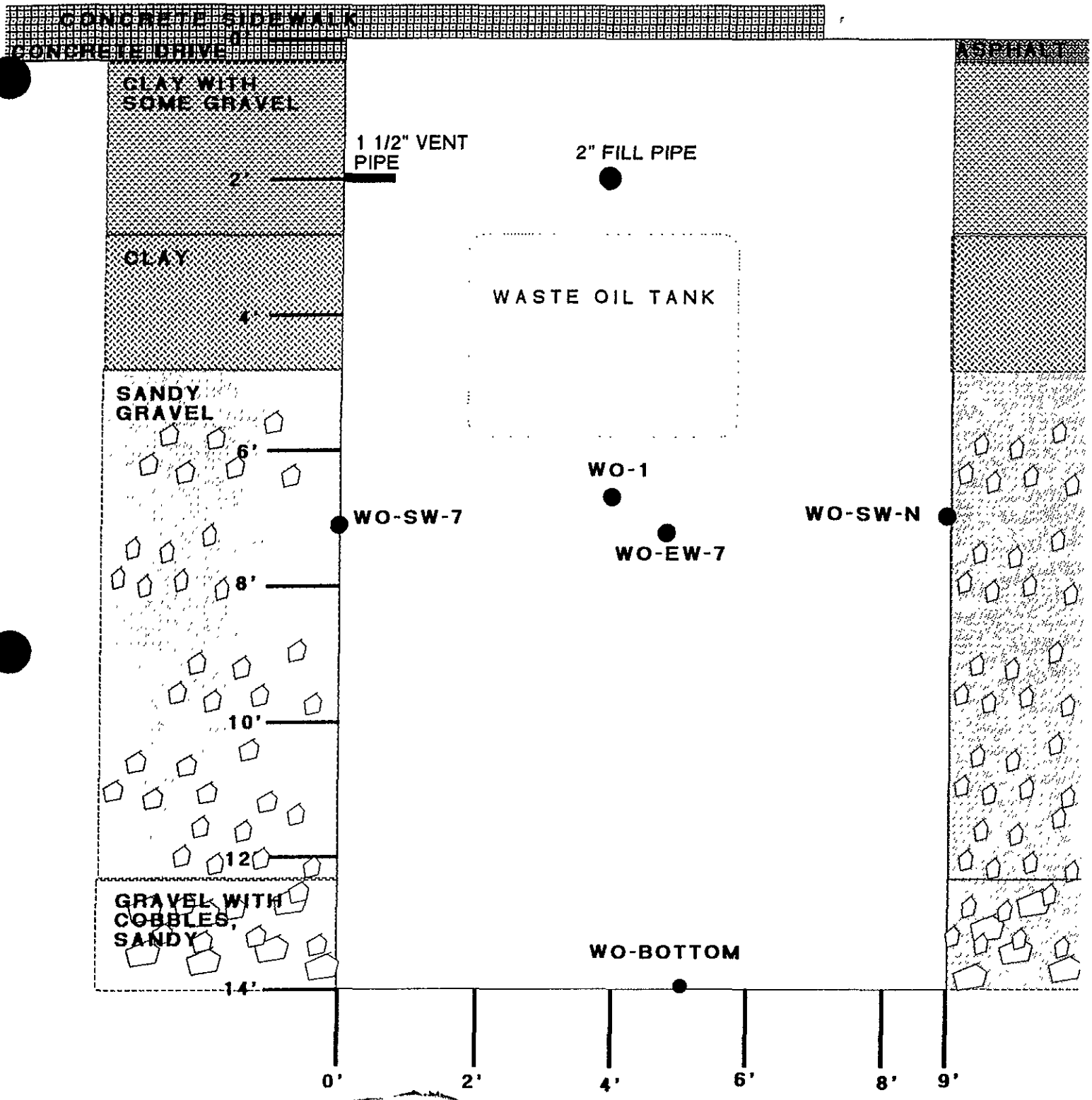


FIGURE 3

WASTE OIL TANK PULL
SAMPLING, MARCH 18, 1994.

DESERT PETROLEUM #795
2008 FIRST STREET,
LIVERMORE, CA 94550

WESTERN GEO-ENGINEERS



REGISTERED GEOLOGIST
JACK E. NAPPER
No. 3037
STATE OF CALIFORNIA

FIGURE 4
CROSS SECTION OF WASTE OIL EXCAVATION LOOKING NORTHWEST, WITH SAMPLE LOCATIONS AND LITHOLOGY, MARCH 18, 1994.

DESERT PETROLEUM #795
LIVERMORE, CA.

WESTERN GEO-ENGINEERS

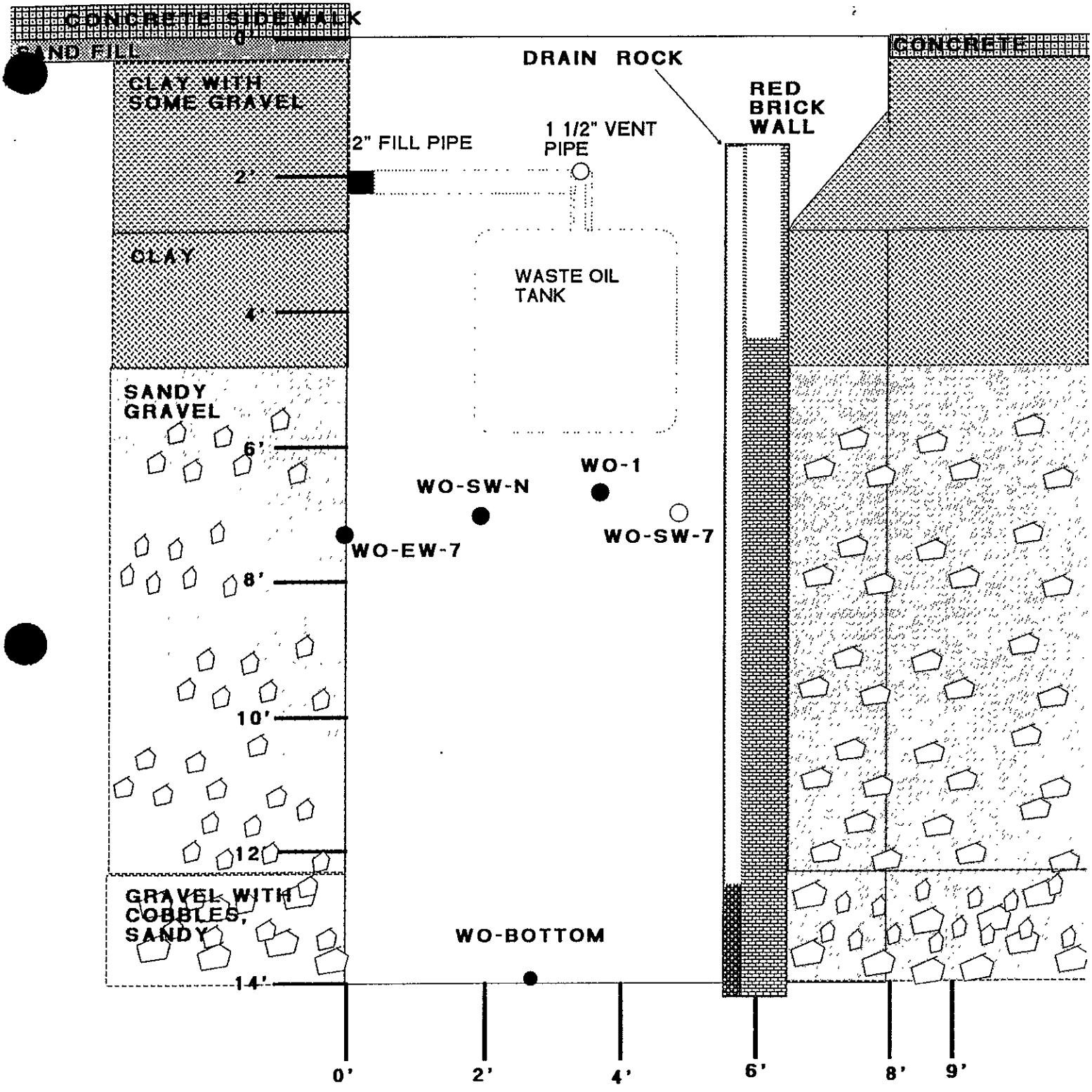


FIGURE 5
CROSS SECTION OF WASTE OIL EXCAVATION LOOKING NORTHEAST, WITH SAMPLE LOCATIONS AND LITHOLOGY, MARCH 18, 1994.

DESERT PETROLEUM #795
LIVERMORE, CA.

WESTERN GEO-ENGINEERS

REGISTERED GEOLOGIST
JACK E. NAPPER
No. 3037
STATE OF CALIFORNIA

APPENDIX A

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# _____ Site Name _____ Today's Date 2/12/94

Site Address _____ EPA ID# _____

City _____ Zip 94 Phone _____

MAX Amt Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
X III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	___ 1. Waste ID	* 66471
	___ 2. EPA ID	66472
	___ 3. > 90 days	66508
	___ 4. Label dates	66508
	___ 5 Biennial	66493
Manifest	___ 6. Records	66492
	___ 7. Correct	66484
	___ 8. Copy sent	66492
	___ 9. Exception	66484
	___ 10. Copies Rec'd	66492
	___ 11. Treatment	66371
	___ 12 On-site Disp. (H.S.&C.)	26189 S
	___ 13. Ex Haz. Waste	66570
Prevention	___ 14. Communications	67121
	___ 15. Aisle Space	67124
	___ 16 Local Authority	67126
	___ 17. Maintenance	67120
	___ 18 Training	67105
Contin. gency	___ 19. Prepared	67140
	___ 20. Name List	67141
	___ 21. Copies	67141
	___ 22. Emg Coord. Trng.	67144
Containers, Tanks	___ 23. Condition	67241
	___ 24. Compatibility	67242
	___ 25 Maintenance	67243
	___ 26. Inspection	67244
	___ 27. Buffer Zone	67246
	___ 28. Tank Inspection	67259
	___ 29. Containment	67245
	___ 30. Safe Storage	67261
	___ 31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	___ 32. Applic./Insurance	66428
	___ 33. Comp. Cert./CHP Insp.	66448
	___ 34. Containers	66465
Manifest	___ 35. Vehicles	66465
	___ 36. EPA ID #s	66531
	___ 37. Correct	66541
	___ 38. HW Delivery	66543
	___ 39. Records	66544
Con'trs	___ 40. Name/ Covers	66545
	___ 41. Recyclables	66800

Comments:

5/88

Contact: _____

Title: _____ Inspector: _____

Signature: _____ Signature: _____

APPENDIX B

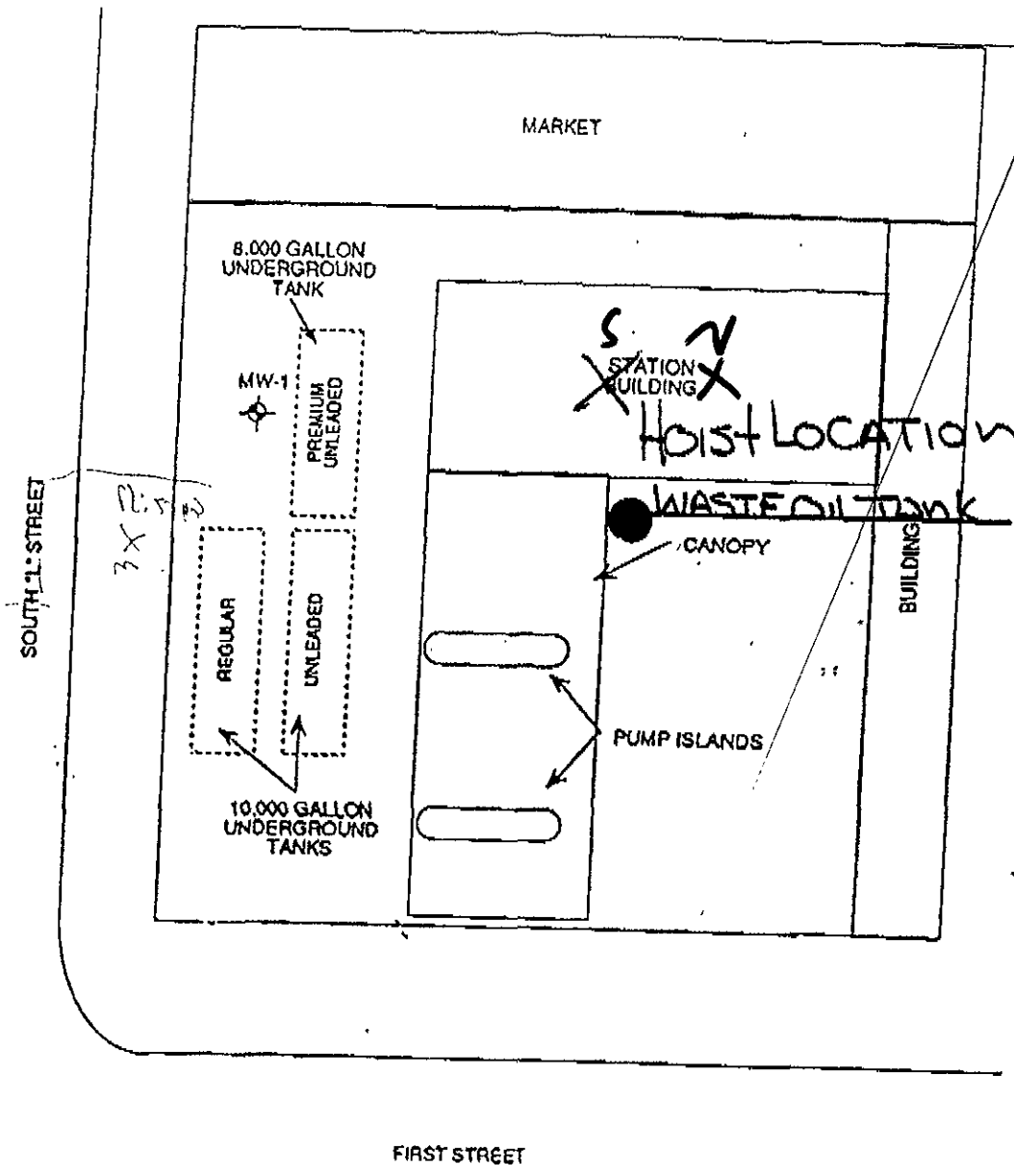
WEGE Time Log

EMPLOYEE: C. Concerse DATE: 3/17/94

PLEASE FILL OUT DAILY, AS TO : JOBS WORKED, TYPE WORK PERFORMED, TRAVEL TIMES AND MILEAGE, AND EQUIPMENT AND SUPPLES USED!!! THIS IS YOUR TIME SHEET, OFF OF WHICH YOU WILL BE PAID.

TIME	JOB NAME	WORK PERFORMED, MILEAGE ECT.	EQUIPMENT
7Ph	Desert X 795	Pull Tank w.o.	
		UV screening w/ Rayfare	
15:2Phg		Sample w.o. 7.10" bright yellow gold	
		18' depth bright yellow fluorescence	
	3/18/94 8:30AM	Continue over excavation	
		Work all Screening west side - bright yellow	
		over excavate to 14' & 1-2' off North west & east sidewall	
		UV = clear	
		Hand auger: hunt areas UV HS @ 7½' clear	
		UV HW @ 8' clear Take samples	
		- They are backfilling as I leave site	

10/29/92



LEGEND

MONITORING WELL LOCATION

SCALE IN FEET

0 15 30

DESERT PETROLEUM, INC.

DESERT PETROLEUM STATION #795
2008 FIRST STREET,
LIVERMORE, CA 94550

FIGURE 2: PLOT PLAN

RSI REMEDIATION SERVICE, INT'L.

American Environmental Network

AEN

3440 Vincent Road, Pleasant Hill, CA 94523
Phone (510) 930-9090
FAX (510) 930-0256

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Reporting Information:

1. Client: Western Geo-Engineers
Address: 1386 E. Beamer St.
Woodland CA 95776-6003
Contact: George Converse
Alt. Contact: David Threlfall

Address Report To:

2. Western Geo-Engineers
1386 E Beamer St
Woodland CA
95776-6003

Send Invoice To:

3. Same as 2

Lab Job Number:
Lab Destination:
Date Samples Shipped:
Lab Contact:
Date Results Required:
Date Report Required:
Client Phone No.:
Client FAX No.:

Send Report To: 1 or 2 (Circle one)

Client P.O. No.:

Client Project I.D. No.:

Sample Team Member (s)

Lab Number	Client Sample Identification	~~Air~~ Soil Volume	Date/ Time Collected	Sample Type*	Pres.	No. of Cont.	Type of Cont.	TPHg w/BTEX	TPHd	8010	8270	O&G 5520D/F	CAM 5 TTLC	(Cd, Cr, Pb, Zn, Ni)	STLC Pb			Comments / Hazards
	SP1 (A-D)	4" X 6"	3/17/1720			4	Steel	✓	✓	✓	✓	✓	✓	✓	✓			Rush turn around - results by Monday 3/21/94
																		This is a composite sample

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	DATE	TIME
George Converse	3/18/94	0630	[illegible]	3/18/94	0820

Method of Shipment

Lab Comments

*Sample type (Specify): 1) 37mm 0.8 µm MCEF 2) 25mm 0.8 µm MCEF 3) 25mm 0.4 µm polycarb. filter
4) PVC filter, diam. ____ pore size ____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Bulk Sample
10) Other ________ 11) Other ________

COPIES: WHITE - JOB FILE YELLOW - PROJECT FILE PINK - CLIENT

American Environmental Network

3440 Vincent Road, Pleasant Hill, CA 94523
Phone (510) 930-9090
FAX (510) 930-0256

AEN

Page 1 of 1

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Reporting Information:

1. Client: Western Geo-Engineers
Address: 1386 E. Beamer St.
Woodland, CA. 95776-6003
Contact: George Converse
Alt. Contact: David Thielfal

Address Report To:

2. Western Geo-Engineers
1386 E. Beamer St.
Woodland, CA
95776-6003

Send Invoice To:

3. Same as 2.

Lab Job Number:
Lab Destination:
Date Samples Shipped:
Lab Contact:
Date Results Required:
Date Report Required:
Client Phone No.:
Client FAX No.:

Send Report To: 1 or 2 (Circle one)

Client P.O. No.: ______ Client Project I.D. No.: ______

Sample Team Member (s) ______

Lab Number	Client Sample Identification	Soil ~~Air~~ Volume	Date/ Time Collected	Sample Type*	Pres.	No. of Cont.	Type of Cont.	ANALYSIS: TPHg w/BTEX	TPHd	8010	8270	8016 5520D/F	CAM 5 TTLC (Cd, Cr, Pb, Zn, Ni)	STLC Pb			Comments / Hazards
	SP1 (A-D)	4 2"X6"	3/17/1730			4	Steel	✓	✓	✓	✓	✓	✓	✓			Rush turn around — results by Monday 3/21/94. This is a composite Sample. called Lab "Robbin" 2:10 PM Bryan need CAM 17 wet + 8080 PCB's for profile scratch Cam 5 + STLC Pb

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	DATE	TIME
George Converse	3/18/94	0630	[signature]	3/18/94	0820
Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	DATE	TIME
Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	DATE	TIME

Method of Shipment

Lab Comments

*Sample type (Specify): 1) 37mm 0.8 µm MCEF 2) 25mm 0.8 µm MCEF 3) 25mm 0.4 µm polycarb. filter
4) PVC filter, diam. ____ pore size ____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Bulk Sample
10) Other ______ 11) Other ______

Reporting Information:

1. Client: Western Geo-Engineers
Address: 1386 E. Beamer St.
Woodland CA 95776-6003
Contact: George Converse
Alt. Contact: Dave Thielfal

American Environmental Network

3440 Vincent Road, Pleasant Hill, CA 94523
Phone (510) 930-9090
FAX (510) 930-0256

AEN

Page 1 of 1

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number:
Lab Destination:
Date Samples Shipped:
Lab Contact:
Date Results Required:
Date Report Required:
Client Phone No.:
Client FAX No.:

Address Report To:
2. As above

Send Invoice To:
3. As Above

Send Report To: 1 or 2 (Circle one)

Client P.O. No.: Client Project I.D. No.:

Sample Team Member (s)

Lab Number	Client Sample Identification	~~Air~~ Soil Volume	Date/Time Collected	Sample Type*	Pres.	No. of Cont.	Type of Cont.	TPHg-BTEX	TPHd	8010	8270	O&G 5520 D&F	CAM 5 TTLC (Cd, Cr, Pb, Zn, Ni)				Comments / Hazards
	WO-1		3/17/1520			1	Steel	✓	✓	✓	✓	✓	✓				Normal Turnaround 7 working days Hold Sample for further Analysis if requested.

ANALYSIS

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	DATE	TIME
George Converse	3/18/94	0630	[signature]	3/18/94	0820

Method of Shipment

Lab Comments

*Sample type (Specify): 1) 37mm 0.8 µm MCEF 2) 25mm 0.8 µm MCEF 3) 25mm 0.4 µm polycarb. filter
4) PVC filter, diam. ____ pore size ____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Bulk Sample
10) Other ____ 11) Other ____

COPIES: WHITE - JOB FILE YELLOW - PROJECT FILE PINK - CLIENT

R-7,5-L

American Environmental Network
3440 Vincent Road, Pleasant Hill, CA 94523
Phone (510) 930-9090
FAX (510) 930-0256

AEN

Page 6

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Reporting Informa

1. Client: Western Geo-Engineers
Address: 1386 E. Beamer St.
Woodland, CA 95776-6003
Contact: George Converse
Alt. Contact: Dave Thielfal

Address Report To:
2. As above

Send Invoice To:
3. As Above

Lab Job Number: 9403191
Lab Destination:
Date Samples Shipped:
Lab Contact:
Date Results Required: DUE 3/29
Date Report Required:
Client Phone No.:
Client FAX No.:

Send Report To: 1 or 2 (Circle one)

Client P.O. No.: Client Project I.D. No.:

Sample Team Member (s)

ANALYSIS: ~~TPHg-BTEX~~, TPHd, 8010, 8270, OG 5520 B&F, CAM 5 Metals, Cd Cr Pb Zn Ni, WET for Cd, ~~PCBs~~ RD

Lab Number	Client Sample Identification	Soil / ~~Air~~ Volume	Date/ Time Collected	Sample Type*	Pres.	No. of Cont.	Type of Cont.	Analysis	Comments / Hazards
	~~WO - 1~~		3/17/1520			1	~~Steel~~	~~✓ ✓ ✓ ✓ ✓ ✓ ✓~~ RD	Normal Turnaround
	WO - 1 RD		3-17 RD			1	steel	✓ ✓ ✓ ✓ ✓ ✓ RD	7 working days
									Hold Sample for
									further Analytes
									if requested.
									~~3/18/94 Change~~ RD
									~~3/18/94 Hold analysis~~ RD 3/21
									Metals = TTLC
									Cd Cr Pb Zn Ni RD

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	DATE	TIME
George Converse	3/18/94	0630	[signature]	3/18/94	0820
[signature]	3/18/94	1415	Anne Gillespie	3-18-94	1415

Method of Shipment

Lab Comments 3/21/94 I misunderstood client 3/18/94 & thought samples on hold. Not so - confirmed today RB

*Sample type (Specify) 1) 37mm 0.8 µm MCEF 2) 25mm 0.8 µm MCEF 3) 25mm 0.4 µm polycarb. filter
4) PVC filter, diam. ____ pore size ____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Bulk Sample
10) Other ____________ 11) Other ____________

COPIES: WHITE - JOB FILE YELLOW - PROJECT FILE PINK - CLIENT

Reporting Info[illegible]ion:

1. Client: Western Geo-Engineers
Address: 1386 E Beamer St
Woodland, CA 95776-6003
Contact: George Converse
Alt. Contact: David Thelfall

American Environmen[illegible] Network

AEN

3440 Vincent Road, Pleasant Hill, CA 94523
Phone (510) 930-9090
FAX (510) 930-0256

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number:
Lab Destination:
Date Samples Shipped:
Lab Contact:
Date Results Required:
Date Report Required:
Client Phone No.:
Client FAX No.:

Address Report To:

2. As above

Send Invoice To:

3. As above

Send Report To: (1) or 2 (Circle one)

Client P.O. No.: ______ Client Project I.D. No.: D.P. 795

Sample Team Member (s) ______

Lab Number	Client Sample Identification	Soil ~~Air~~ Volume	Date/Time Collected	Sample Type*	Pres.	No. of Cont.	Type of Cont.	ANALYSIS: 418.1	ANALYSIS: O/G	Comments / Hazards
	HS - 7½		3/18/1935			1	Steel	✓		Awaiting results
	HN - 8'		/0930			1	Steel	✓		of initial sample
	WO - Bottom		/0920			1	Cell		✓	before running
	WO - SW-7		/0950			1	/		✓	
	WO - EW-7		/0950			1	/		✓	
	WO - SN - N								✓	

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	DATE	TIME
George Converse	3/21/94	11:35 Am	Michael E McMullen	3/21/94	11:35 AM

Method of Shipment

Lab Comments

*Sample type (Specify): 1) 37mm 0.8 µm MCEF 2) 25mm 0.8 µm MCEF 3) 25mm 0.4 µm polycarb. filter
4) PVC filter, diam. ____ pore size ____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Bulk Sample
10) Other ______ 11) Other ______

COPIES: WHITE - JOB FILE YELLOW - PROJECT FILE PINK - CLIENT

APPENDIX C

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172 AIHA Accreditation: 11134

WESTERN GEO-ENGINEERING
1386 E. BEAMER STREET
WOODLAND, CA 95776-6003

ATTN: GEORGE CONVERSE

CLIENT PROJECT ID: D.P. 795

REPORT DATE: 03/25/94

DATE SAMPLED: 03/17/94
DATE RECEIVED: 03/18/94

ADDITIONAL ANALYSIS
REQUESTED: 03/22/94

AEN JOB NO: 9403190

PROJECT SUMMARY:

On March 18, 1994, this laboratory received one (1) composite soil sample.

Client requested the sample be analyzed for inorganic and organic parameters. On March 22, 1994, client requested additional inorganic analysis on the sample. Sample identification, methodologies, results and dates analyzed are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

If you have any questions, please contact Client Services at (510) 930-9090.

Larry Klein
General Manager

Western Geo-Engineering

SAMPLE ID: SP1 (A-D)
AEN LAB NO: 9403190-01A
AEN WORK ORDER: 9403190
CLIENT PROJ. ID: D.P. 795

DATE SAMPLED: 03/17/94
DATE RECEIVED: 03/18/94
REPORT DATE: 03/25/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#CA Waste Extraction	CA Title 22	-		Extrn Date	03/18/94
#TCLP Extraction	EPA 1311	-		Extrn Date	03/22/94
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	100	ug/kg	03/18/94
Toluene	108-88-3	720 *	100	ug/kg	03/18/94
Ethylbenzene	100-41-4	350 *	100	ug/kg	03/18/94
Xylenes, Total	1330-20-7	3,100 *	100	ug/kg	03/18/94
Purgeable HCs as Gasoline	5030/GCFID	62 *	4	mg/kg	03/18/94
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	03/18/94
TPH as Diesel	GC-FID	ND	50	mg/kg	03/20/94
#Soil Extrn for O&G/HCs	SM 5520EF	-		Extrn Date	03/18/94
Hydrocarbons by IR	SM 5520F	14,000 *	10	mg/kg	03/20/94
Oil and Grease by IR	SM 5520E	16,000 *	10	mg/kg	03/20/94
#Extraction for Pest/PCBs	EPA 3550	-		Extrn Date	03/18/94
Polychlorinated Biphenyls	EPA 8080				
Aroclor 1016	12674-11-2	ND	0.05	mg/kg	03/20/94
Aroclor 1221	11104-28-2	ND	0.05	mg/kg	03/20/94
Aroclor 1232	11141-16-5	ND	0.05	mg/kg	03/20/94
Aroclor 1242	53469-21-9	ND	0.05	mg/kg	03/20/94
Aroclor 1248	12672-29-6	ND	0.05	mg/kg	03/20/94
Aroclor 1254	11097-69-1	ND	0.05	mg/kg	03/20/94
Aroclor 1260	11096-82-5	ND	0.05	mg/kg	03/20/94
#Extraction for BNAs	EPA 3550	-		Extrn Date	03/18/94
Semi-Volatile Organics	EPA 8270				
Acenaphthene	83-32-9	ND	3300	ug/kg	03/21/94
Acenaphthylene	208-96-8	ND	3300	ug/kg	03/21/94
Anthracene	120-12-7	ND	3300	ug/kg	03/21/94
Benzidine	92-87-5	ND	16000	ug/kg	03/21/94
Benzoic Acid	65-85-0	ND	16000	ug/kg	03/21/94
Benzo(a)anthracene	56-55-3	ND	3300	ug/kg	03/21/94
Benzo(b)fluoranthene	205-99-2	ND	3300	ug/kg	03/21/94

Western Geo-Engineering

SAMPLE ID: SP1 (A-D)
AEN LAB NO: 9403190-01A
AEN WORK ORDER: 9403190
CLIENT PROJ. ID: D.P. 795

DATE SAMPLED: 03/17/94
DATE RECEIVED: 03/18/94
REPORT DATE: 03/25/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Benzo(k)fluoranthene	207-08-9	ND	3300	ug/kg	03/21/94
Benzo(g,h,i)perylene	191-24-2	ND	3300	ug/kg	03/21/94
Benzo(a)pyrene	50-32-8	ND	3300	ug/kg	03/21/94
Benzyl Alcohol	100-51-6	ND	6600	ug/kg	03/21/94
Bis(2-chloroethoxy)methane	111-91-1	ND	3300	ug/kg	03/21/94
Bis(2-chloroethyl) Ether	111-44-4	ND	3300	ug/kg	03/21/94
Bis(2-chloroisopropyl) Ether	108-60-1	ND	3300	ug/kg	03/21/94
Bis(2-ethylhexyl) Phthalate	117-81-7	ND	3300	ug/kg	03/21/94
4-Bromophenyl Phenyl Ether	101-55-3	ND	3300	ug/kg	03/21/94
Butylbenzyl Phthalate	85-68-7	ND	3300	ug/kg	03/21/94
4-Chloroaniline	106-47-8	ND	6600	ug/kg	03/21/94
2-Chloronapthalene	91-58-7	ND	3300	ug/kg	03/21/94
4-Chlorophenyl Phenyl Ether	7005-72-3	ND	3300	ug/kg	03/21/94
Chrysene	218-01-9	ND	3300	ug/kg	03/21/94
Dibenzo(a,h)anthracene	53-70-3	ND	3300	ug/kg	03/21/94
Dibenzofuran	132-64-9	ND	3300	ug/kg	03/21/94
Di-n-butyl Phthalate	84-74-2	ND	3300	ug/kg	03/21/94
1,2-Dichlorobenzene	95-50-1	ND	3300	ug/kg	03/21/94
1,3-Dichlorobenzene	541-73-1	ND	3300	ug/kg	03/21/94
1,4-Dichlorobenzene	106-46-7	ND	3300	ug/kg	03/21/94
3,3'-Dichlorobenzidine	91-94-1	ND	6600	ug/kg	03/21/94
Diethyl Phthalate	84-66-2	ND	3300	ug/kg	03/21/94
Dimethyl Phthalate	131-11-3	ND	3300	ug/kg	03/21/94
2,4-Dinitrotoluene	121-14-2	ND	3300	ug/kg	03/21/94
2,6-Dinitrotoluene	606-20-2	ND	3300	ug/kg	03/21/94
Di-n-octyl Phthalate	117-84-0	ND	3300	ug/kg	03/21/94
1,2-Diphenylhydrazine	122-66-7	ND	3300	ug/kg	03/21/94
Fluoranthene	206-44-0	ND	3300	ug/kg	03/21/94
Fluorene	86-73-7	ND	3300	ug/kg	03/21/94
Hexachlorobenzene	118-74-1	ND	3300	ug/kg	03/21/94
Hexachlorobutadiene	87-68-3	ND	3300	ug/kg	03/21/94
Hexachlorocyclopentadiene	77-47-4	ND	3300	ug/kg	03/21/94
Hexachloroethane	67-72-1	ND	3300	ug/kg	03/21/94
Indeno(1,2,3-cd)pyrene	193-39-5	ND	3300	ug/kg	03/21/94
Isophorone	78-59-1	ND	3300	ug/kg	03/21/94
2-Methylnaphthalene	91-57-6	ND	3300	ug/kg	03/21/94
Naphthalene	91-20-3	ND	3300	ug/kg	03/21/94
2-Nitroaniline	88-74-4	ND	16000	ug/kg	03/21/94
3-Nitroaniline	99-09-2	ND	16000	ug/kg	03/21/94
4-Nitroaniline	100-01-6	ND	16000	ug/kg	03/21/94
Nitrobenzene	98-95-3	ND	3300	ug/kg	03/21/94
N-Nitrosodimethylamine	62-75-9	ND	3300	ug/kg	03/21/94
N-Nitrosodiphenylamine	86-30-6	ND	3300	ug/kg	03/21/94

Western Geo-Engineering

SAMPLE ID: SP1 (A-D)
AEN LAB NO: 9403190-01A
AEN WORK ORDER: 9403190
CLIENT PROJ. ID: D.P. 795

DATE SAMPLED: 03/17/94
DATE RECEIVED: 03/18/94
REPORT DATE: 03/25/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
N-Nitrosodi-n-propylamine	621-64-7	ND	3300	ug/kg	03/21/94
Phenanthrene	85-01-8	ND	3300	ug/kg	03/21/94
Pyrene	129-00-0	ND	3300	ug/kg	03/21/94
1,2,4-Trichlorobenzene	120-82-1	ND	3300	ug/kg	03/21/94
4-Chloro-3-methylphenol	59-50-7	ND	3300	ug/kg	03/21/94
2-Chlorophenol	95-57-8	ND	3300	ug/kg	03/21/94
2,4-Dichlorophenol	120-83-2	ND	3300	ug/kg	03/21/94
2,4-Dimethylphenol	105-67-9	ND	3300	ug/kg	03/21/94
4,6-Dinitro-2-methylphenol	534-52-1	ND	16000	ug/kg	03/21/94
2,4-Dinitrophenol	51-28-5	ND	16000	ug/kg	03/21/94
2-Methylphenol	95-48-7	ND	3300	ug/kg	03/21/94
4-Methylphenol	106-44-5	ND	3300	ug/kg	03/21/94
2-Nitrophenol	88-75-5	ND	3300	ug/kg	03/21/94
4-Nitrophenol	100-02-7	ND	16000	ug/kg	03/21/94
Pentachlorophenol	87-86-5	ND	16000	ug/kg	03/21/94
Phenol	108-95-2	ND	3300	ug/kg	03/21/94
2,4,5-Trichlorophenol	95-95-4	ND	3300	ug/kg	03/21/94
2,4,6-Trichlorophenol	88-06-2	ND	3300	ug/kg	03/21/94
EPA 8010 - Soil matrix	EPA 8010				
Bromodichloromethane	75-27-4	ND	10	ug/kg	03/21/94
Bromoform	75-25-2	ND	10	ug/kg	03/21/94
Bromomethane	74-83-9	ND	10	ug/kg	03/21/94
Carbon Tetrachloride	56-23-5	ND	10	ug/kg	03/21/94
Chlorobenzene	108-90-7	ND	10	ug/kg	03/21/94
Chloroethane	75-00-3	ND	10	ug/kg	03/21/94
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/kg	03/21/94
Chloroform	67-66-3	ND	10	ug/kg	03/21/94
Chloromethane	74-87-3	ND	10	ug/kg	03/21/94
Dibromochloromethane	124-48-1	ND	10	ug/kg	03/21/94
1,2-Dichlorobenzene	95-50-1	14 *	10	ug/kg	03/21/94
1,3-Dichlorobenzene	541-73-1	ND	10	ug/kg	03/21/94
1,4-Dichlorobenzene	106-46-7	ND	10	ug/kg	03/21/94
Dichlorodifluoromethane	75-71-8	ND	10	ug/kg	03/21/94
1,1-Dichloroethane	75-34-3	ND	10	ug/kg	03/21/94
1,2-Dichloroethane	107-06-2	ND	10	ug/kg	03/21/94
1,1-Dichloroethene	75-35-4	ND	10	ug/kg	03/21/94
cis-1,2-Dichloroethene	156-59-2	ND	10	ug/kg	03/21/94
trans-1,2-Dichloroethene	156-60-5	ND	10	ug/kg	03/21/94
1,2-Dichloropropane	78-87-5	ND	10	ug/kg	03/21/94
cis-1,3-Dichloropropene	10061-01-5	ND	10	ug/kg	03/21/94
trans-1,3-Dichloropropene	10061-02-6	ND	10	ug/kg	03/21/94
Methylene Chloride	75-09-2	ND	10	ug/kg	03/19/94

Western Geo-Engineering

SAMPLE ID: SP1 (A-D)
AEN LAB NO: 9403190-01A
AEN WORK ORDER: 9403190
CLIENT PROJ. ID: D.P. 795

DATE SAMPLED: 03/17/94
DATE RECEIVED: 03/18/94
REPORT DATE: 03/25/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,1,2,2-Tetrachloroethane	79-34-5	ND	10	ug/kg	03/21/94
Tetrachloroethene	127-18-4	54 *	10	ug/kg	03/21/94
1,1,1-Trichloroethane	71-55-6	22 *	10	ug/kg	03/21/94
1,1,2-Trichloroethane	79-00-5	ND	10	ug/kg	03/21/94
Trichloroethene	79-01-6	ND	10	ug/kg	03/21/94
Trichlorofluoromethane	75-69-4	ND	10	ug/kg	03/21/94
1,1,2Trichlorotrifluoroethane	76-13-1	ND	10	ug/kg	03/19/94
Vinyl Chloride	75-01-4	ND	10	ug/kg	03/21/94

Dilution factor for EPA Method 8270 = 10
Dilution factor for EPA Method 8010 = 2
Dilution factor for EPA Method 8020, 5030 GCFID = 50

ND = Not detected at or above the reporting limit
* = Value above reporting limit

Western Geo-Engineering

SAMPLE ID: SP1 (A-D)
AEN LAB NO: 9403190-01B
AEN WORK ORDER: 9403190
CLIENT PROJ. ID: D.P. 795

DATE SAMPLED: 03/17/94
DATE RECEIVED: 03/18/94
REPORT DATE: 03/25/94

ANALYTE		METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
CCR Metals in WET Extract						
Ag	Silver	EPA 6010	ND	0.05	mg/L	03/21/94
As	Arsenic	EPA 7060	0.06 *	0.05	mg/L	03/21/94
Ba	Barium	EPA 6010	6.7 *	0.5	mg/L	03/21/94
Be	Beryllium	EPA 6010	ND	0.02	mg/L	03/21/94
Cd	Cadmium	EPA 6010	ND	0.05	mg/L	03/21/94
Co	Cobalt	EPA 6010	0.37 *	0.05	mg/L	03/21/94
Cr	Chromium	EPA 6010	0.1 *	0.1	mg/L	03/21/94
Cu	Copper	EPA 6010	0.4 *	0.1	mg/L	03/21/94
Hg	Mercury	EPA 7470	ND	0.002	mg/L	03/21/94
Mo	Molybdenum	EPA 6010	ND	0.1	mg/L	03/21/94
Ni	Nickel	EPA 6010	0.9 *	0.1	mg/L	03/21/94
Pb	Lead	EPA 6010	7.6 *	0.4	mg/L	03/21/94
Sb	Antimony	EPA 6010	ND	0.2	mg/L	03/21/94
Se	Selenium	EPA 7740	ND	0.1	mg/L	03/21/94
Tl	Thallium	EPA 6010	ND	1	mg/L	03/21/94
V	Vanadium	EPA 6010	0.16 *	0.05	mg/L	03/21/94
Zn	Zinc	EPA 6010	27 *	0.5	mg/L	03/21/94

ND = Not detected at or above the reporting limit
* = Value above reporting limit

Western Geo-Engineering

SAMPLE ID: SP1 (A-D)
AEN LAB NO: 9403190-01C
AEN WORK ORDER: 9403190
CLIENT PROJ. ID: D.P. 795

DATE SAMPLED: 03/17/94
DATE RECEIVED: 03/18/94
REPORT DATE: 03/25/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion	EPA 3010	-		Prep Date	03/23/94
Lead in TCLP Extract	EPA 6010	0.13 *	0.04	mg/L	03/24/94

ND = Not detected at or above the reporting limit
* = Value above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9403190

CLIENT PROJECT ID: D.P. 795

Quality Control Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

The following abbreviations are found throughout the QC report:

ND = Not Detected at or above the reporting limit
RPD = Relative Percent Difference
< = Less Than

QUALITY CONTROL DATA

DATE EXTRACTED: 03/17/94
DATE ANALYZED: 03/18/94
CLIENT PROJ. ID: D.P. 795

AEN JOB NO: 9403190
SAMPLE SPIKED: 9403161-01
INSTRUMENT: IR

IR DETERMINATION FOR OIL & GREASE/HYDROCARBONS
MATRIX SPIKE RECOVERY SUMMARY
(SOIL MATRIX)

ANALYTE	Spike Added (mg/kg)	Average Percent Recovery	RPD
Oil	266	83	<1

CURRENT QC LIMITS

Analyte	Percent Recovery	RPD
Oil	(70-118)	18

QUALITY CONTROL DATA

DATE EXTRACTED: 03/17/94
DATE ANALYZED: 03/19/94
CLIENT PROJ. ID: D.P. 795

AEN JOB NO: 9403190
SAMPLE SPIKED: 9403163-05
INSTRUMENT: C

MATRIX SPIKE RECOVERY SUMMARY
TPH EXTRACTABLE SOIL
METHOD: EPA 3550 GCFID

ANALYTE	Spike Added (mg/kg)	Average Percent Recovery	RPD
Diesel	41.9	58	13

CURRENT QC LIMITS

Analyte	Percent Recovery	RPD
Diesel	(44-105)	18

QUALITY CONTROL DATA

INSTRUMENT: G

AEN JOB NO: 9403190

CLIENT PROJ. ID: D.P. 795

SURROGATE STANDARD RECOVERY SUMMARY
METHOD: EPA 8010
(SOIL MATRIX)

Date Analyzed	SAMPLE IDENTIFICATION Client Id.	Lab Id.	SURROGATE RECOVERY (PERCENT) Bromochloro-methane	1-Bromo-3-chloro-propane
03/21/94	SP1 (A-D)	01	108	116

CURRENT QC LIMITS

ANALYTE	PERCENT RECOVERY
Bromochloromethane	(71-127)
1-Bromo-3-chloropropane	(70-137)

QUALITY CONTROL DATA

DATE ANALYZED: 03/10/94
SAMPLE SPIKED: 9403052-04
CLIENT PROJ. ID: D.P. 795

AEN JOB NO: 9403190
INSTRUMENT: G

MATRIX SPIKE RECOVERY SUMMARY
METHOD: EPA 8010
(SOIL MATRIX)

ANALYTE	Spike Conc. (ug/kg)	Average Percent Recovery	RPD
1,1-Dichloroethene	500	73	3
Trichloroethene	500	90	7
Chlorobenzene	500	104	1

CURRENT QC LIMITS

Analyte	Percent Recovery	RPD
1,1-Dichloroethene	(35-127)	13
Trichloroethene	(71-127)	8
Chlorobenzene	(68-117)	10

QUALITY CONTROL DATA

CLIENT PROJ. ID: D.P. 795

AEN JOB NO: 9403190

INSTRUMENT: H

SURROGATE STANDARD RECOVERY SUMMARY
METHOD: EPA 8020, 5030 GCFID
(SOIL MATRIX)

Date Analyzed	SAMPLE IDENTIFICATION Client Id.	Lab Id.	SURROGATE RECOVERY (PERCENT) Fluorobenzene
03/18/94	SP1 (A-D)	01	101

CURRENT QC LIMITS

ANALYTE	PERCENT RECOVERY
Fluorobenzene	(78-114)

QUALITY CONTROL DATA

DATE ANALYZED: 03/18/94
SAMPLE SPIKED: LCS
CLIENT PROJ. ID: D.P. 795

AEN JOB NO: 9403190
INSTRUMENT: H

LABORATORY CONTROL SAMPLE
METHOD: EPA 8020, 5030 GCFID
(SOIL MATRIX)

ANALYTE	Spike Added (ug/kg)	Percent Recovery
Benzene	18.4	91
Toluene	70.7	89
Hydrocarbons as Gasoline	1000	94

CURRENT QC LIMITS

Analyte	Percent Recovery
Benzene	(65-122)
Toluene	(67-124)
Gasoline	(60-125)

QUALITY CONTROL DATA

DATE EXTRACTED: 03/18/94 AEN JOB NO: 9403190

CLIENT PROJ. ID: D.P. 795 INSTRUMENT: A

SURROGATE STANDARD RECOVERY SUMMARY
METHOD: EPA 8080
(SOIL MATRIX)

SAMPLE IDENTIFICATION			SURROGATE RECOVERY (PERCENT)
Date Analyzed	Client Id.	Lab Id.	2,4,5,6-Tetrachloro-meta-xylene
03/20/94	SP1 (A-D)	01	84

CURRENT QC LIMITS

ANALYTE	PERCENT RECOVERY
2,4,5,6-Tetrachloro-meta-xylene	(59-115)

QUALITY CONTROL DATA

DATE EXTRACTED: 03/04/94
DATE ANALYZED: 03/04/94
CLIENT PROJ. ID: D.P. 795

AEN JOB NO: 9403190
SAMPLE SPIKED: 9403035-03
INSTRUMENT: A

MATRIX SPIKE RECOVERY SUMMARY
METHOD: EPA 8080
(SOIL MATRIX)

ANALYTE	Spike Added (ug/kg)	Average Percent Recovery	RPD
A1260	133	96	6

CURRENT QC LIMITS

Analyte	Percent Recovery	RPD
A1260	(34-134)	25

QUALITY CONTROL DATA

DATE EXTRACTED: 03/18/94

AEN JOB NO: 9403190

CLIENT PROJ. ID: D.P. 795

INSTRUMENT: 11

SURROGATE STANDARD RECOVERY SUMMARY
METHOD: EPA 8270
(SOIL MATRIX)

SAMPLE IDENTIFICATION			SURROGATE RECOVERY (PERCENT)					
Date Analyzed	Sample Id.	Lab Id.	Nitro-benzene-d_5	2-Fluoro-biphenyl	Terphenyl-d_{14}	Phenol-d_5	2-Fluoro-phenol	2,4,6-Tribromo-phenol
03/21/94	SP1 (A-D)	01	46	67	55	73	52	40

CURRENT QC LIMITS

ANALYTE	PERCENT RECOVERY
Nitrobenzene-d_5	(23-120)
2-Fluorobiphenyl	(30-115)
Terphenyl-d_{14}	(18-137)
Phenol-d_5	(24-113)
2-Fluorophenol	(25-121)
2,4,6-Tribromophenol	(19-122)

QUALITY CONTROL DATA

DATE EXTRACTED: 03/17/94
DATE ANALYZED: 03/18/94
CLIENT PROJ. ID: D.P. 795

AEN JOB NO: 9403190
SAMPLE SPIKED: 9403161-01
INSTRUMENT: 11

MATRIX SPIKE RECOVERY SUMMARY
METHOD: EPA 8270
(SOIL MATRIX)

ANALYTE	Spike Added (ug/kg)	Average Percent Recovery	RPD
Phenol	3330	82	<1
2-Chlorophenol	3330	55	9
1,4-Dichlorobenzene	3400	70	6
N-Nitroso-di-n-propylamine	3320	86	7
1,2,4-Trichlorobenzene	3330	66	6
4-Chloro-3-methylphenol	3270	98	8
Acenaphthene	3330	89	5
4-Nitrophenol	3300	96	13
2,4-Dinitrotoluene	3330	64	11
Pentachlorophenol	3380	55	5
Pyrene	3320	89	6

CURRENT QC LIMITS

Analyte	Percent Recovery	RPD
Phenol	(26- 90)	35
2-Chlorophenol	(25-102)	50
1,4-Dichlorobenzene	(28-104)	27
4-Nitroso-di-n-propylamine	(41-126)	38
1,2,4-Trichlorobenzene	(38-107)	23
4-Chloro-3-methylphenol	(26-103)	33
Acenaphthene	(31-137)	19
4-Nitrophenol	(11-114)	50
2,4-Dinitrotoluene	(28- 89)	47
Pentachlorophenol	(17-109)	47
Pyrene	(35-142)	36

QUALITY CONTROL DATA

MATRIX: TCLP

CLIENT PROJ. ID: D.P. 795

AEN JOB NO: 9403190
SAMPLE SPIKED: 9403190-01
DATE ANALYZED: 03/24/94

MATRIX SPIKE RECOVERY SUMMARY

Compound	Inst./ Method	Spike Added (mg/L)	Average Percent Recovery
Pb, Lead	ICP/6010	0.50	100

QUALITY CONTROL LIMITS

CLIENT PROJ. ID: D.P. 795

AEN JOB NO: 9403190

DATE ANALYZED: 03/21/94

METHOD BLANK RESULTS FOR WASTE EXTRACTION TEST

Code	Metal	Concentration (mg/L)	STLC (mg/L)	Reporting Limit (mg/L)	Method Reference	Inst.
Ag	Silver	ND	5	0.05	6010	ICP
As	Arsenic	ND	5.0	0.05	7060	4000
Ba	Barium	ND	100	0.5	6010	ICP
Cd	Cadmium	ND	1.0	0.05	6010	ICP
Cr	Chromium	ND	5	0.1	6010	ICP
Cu	Copper	ND	25	0.1	6010	ICP
Hg	Mercury	ND	0.2	0.002	7470	Hg
Ni	Nickel	ND	20	0.1	6010	ICP
Pb	Lead	ND	5.0	0.4	6010	ICP
Se	Selenium	ND	1.0	0.1	7740	4000
Zn	Zinc	ND	250	0.5	6010	ICP

INST. = Instrument Number

STLC = Soluble Threshold Limit Concentration

Date Extracted: 03/18/94

*** END OF REPORT ***

K-7,5-C

Reporting Informa

1. Client: Western Geo-Engineers
Address: 1386 E. Beamer St
Woodland, CA 95776-6003
Contact: George Comeaux
Alt. Contact: David Thielfal

American Environmental Network
3440 Vincent Road, Pleasant Hill, CA 94523
Phone (510) 930-9090
FAX (510) 930-0256

AEN

Page 1 of 1

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number: 9403190
Lab Destination:
Date Samples Shipped:
Lab Contact:
Date Results Required:
Date Report Required:
Client Phone No.:
Client FAX No.:

Address Report To:

2. Western Geo-Engineers
1386 E. Beamer St.
Woodland CA
95776-6003

Send Invoice To:

3. Same as 2.

Send Report To: 1 or 2 (Circle one)

Client P.O. No.: _____ Client Project I.D. No.: _____

Sample Team Member (s) _____

Lab Number	Client Sample Identification	~~Soil/Air~~ Volume	Date/ Time Collected	Sample Type*	Pres.	No. of Cont.	Type of Cont.	TPHg w/ BTEX	TPHd	8010	8270	8016	5520 E/F	CAM 5 Metals	Cd, Cr, Pb, Zn, Ni	TTLC Pb	WET, CCR-17	PCBs by 8080	Comments / Hazards
01A	SP1 (A-D)	4 2"X6"	3/17/1??			4	Steel	✓									✓	✓	Rush turn around — results by Monday 3/21/94.
																			This is a composit Sample.
																			3/18/94 Change Metals to CA WET for CCR 17 metals RB

Relinquished by: (Signature) George Comeaux	DATE 3/18/94	TIME 0630	Received by: (Signature) [illegible] DATE 3/18/94 TIME 0820
Relinquished by: (Signature) [illegible]	DATE 3/18/94	TIME 1415	Received by: (Signature) Lynn Gillespie DATE 3-18-94 TIME 1415
Relinquished by: (Signature)	DATE	TIME	Received by: (Signature) DATE TIME
Method of Shipment			Lab Comments

*Sample type (Specify): 1) 37mm 0.8 µm MCEF 2) 25mm 0.8 µm MCEF 3) 25mm 0.4 µm polycarb. filter
4) PVC filter, diam. ____ pore size ____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Bulk Sample
10) Other _____ 11) Other _____

COPIES: WHITE - JOB FILE YELLOW - PROJECT FILE PINK - CLIENT

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172 AIHA Accreditation: 11134

WESTERN GEO-ENGINEERING
1386 E. BEAMER STREET
WOODLAND, CA 95776

ATTN: GEORGE CONVERSE
CLIENT PROJ. ID: -

REPORT DATE: 03/31/94

DATE(S) SAMPLED: 03/17/94

DATE RECEIVED: 03/18/94

AEN WORK ORDER: 9403191

PROJECT SUMMARY:

On March 18, 1994, this laboratory received 1 soil sample(s).

Client requested the sample be analyzed for inorganic and organic parameters. Sample identification, methodologies, results and dates analyzed are summarized on the following pages.

Duplicate analysis for gasoline and BTEX showed surrogate recoveries outside established laboratory quality control limits for this sample. Results of this analysis are estimated concentrations.

Please see quality control report for a summary of QC data pertaining to this project.

If you have any questions, please contact Client Services at (510) 930-9090.

Larry Klein
General Manager

Western Geo-Engineering

SAMPLE ID: WO-1
AEN LAB NO: 9403191-01
AEN WORK ORDER: 9403191
CLIENT PROJ. ID: -

DATE SAMPLED: 03/17/94
DATE RECEIVED: 03/18/94
REPORT DATE: 03/31/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	5	ug/kg	03/29/94
Toluene	108-88-3	ND	5	ug/kg	03/29/94
Ethylbenzene	100-41-4	ND	5	ug/kg	03/29/94
Xylenes, Total	1330-20-7	ND	5	ug/kg	03/29/94
Purgeable HCs as Gasoline	5030/GCFID	1 *	1	mg/kg	03/29/94
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	03/21/94
TPH as Diesel	GC-FID	ND	50	mg/kg	03/27/94
#Digestion	EPA 3050	-		Prep Date	03/28/94
Cadmium	EPA 6010	ND	0.1	mg/kg	03/29/94
Chromium	EPA 6010	23 *	1	mg/kg	03/29/94
Lead	EPA 6010	33 *	1	mg/kg	03/29/94
Nickel	EPA 6010	58 *	1	mg/kg	03/29/94
Zinc	EPA 6010	30 *	1	mg/kg	03/29/94
#Soil Extrn for O&G/HCs	SM 5520EF	-		Extrn Date	03/23/94
Hydrocarbons by IR	SM 5520F	1,200 *	10	mg/kg	03/23/94
Oil and Grease by IR	SM 5520E	19,000 *	10	mg/kg	03/23/94
#Extraction for BNAs	EPA 3550	-		Extrn Date	03/22/94
Semi-Volatile Organics	EPA 8270				
Acenaphthene	83-32-9	ND	1700	ug/kg	03/23/94
Acenaphthylene	208-96-8	ND	1700	ug/kg	03/23/94
Anthracene	120-12-7	ND	1700	ug/kg	03/23/94
Benzidine	92-87-5	ND	8000	ug/kg	03/23/94
Benzoic Acid	65-85-0	ND	8000	ug/kg	03/23/94
Benzo(a)anthracene	56-55-3	ND	1700	ug/kg	03/23/94
Benzo(b)fluoranthene	205-99-2	ND	1700	ug/kg	03/23/94
Benzo(k)fluoranthene	207-08-9	ND	1700	ug/kg	03/23/94
Benzo(g,h,i)perylene	191-24-2	ND	1700	ug/kg	03/23/94
Benzo(a)pyrene	50-32-8	ND	1700	ug/kg	03/23/94

Western Geo-Engineering

SAMPLE ID: WO-1
AEN LAB NO: 9403191-01
AEN WORK ORDER: 9403191
CLIENT PROJ. ID: -

DATE SAMPLED: 03/17/94
DATE RECEIVED: 03/18/94
REPORT DATE: 03/31/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Benzyl Alcohol	100-51-6	ND	3300	ug/kg	03/23/94
Bis(2-chloroethoxy)methane	111-91-1	ND	1700	ug/kg	03/23/94
Bis(2-chloroethyl) Ether	111-44-4	ND	1700	ug/kg	03/23/94
Bis(2-chloroisopropyl) Ether	108-60-1	ND	1700	ug/kg	03/23/94
Bis(2-ethylhexyl) Phthalate	117-81-7	ND	1700	ug/kg	03/23/94
4-Bromophenyl Phenyl Ether	101-55-3	ND	1700	ug/kg	03/23/94
Butylbenzyl Phthalate	85-68-7	ND	1700	ug/kg	03/23/94
4-Chloroaniline	106-47-8	ND	3300	ug/kg	03/23/94
2-Chloronapththalene	91-58-7	ND	1700	ug/kg	03/23/94
4-Chlorophenyl Phenyl Ether	7005-72-3	ND	1700	ug/kg	03/23/94
Chrysene	218-01-9	ND	1700	ug/kg	03/23/94
Dibenzo(a,h)anthracene	53-70-3	ND	1700	ug/kg	03/23/94
Dibenzofuran	132-64-9	ND	1700	ug/kg	03/23/94
Di-n-butyl Phthalate	84-74-2	ND	1700	ug/kg	03/23/94
1,2-Dichlorobenzene	95-50-1	ND	1700	ug/kg	03/23/94
1,3-Dichlorobenzene	541-73-1	ND	1700	ug/kg	03/23/94
1,4-Dichlorobenzene	106-46-7	ND	1700	ug/kg	03/23/94
3,3'-Dichlorobenzidine	91-94-1	ND	3300	ug/kg	03/23/94
Diethyl Phthalate	84-66-2	ND	1700	ug/kg	03/23/94
Dimethyl Phthalate	131-11-3	ND	1700	ug/kg	03/23/94
2,4-Dinitrotoluene	121-14-2	ND	1700	ug/kg	03/23/94
2,6-Dinitrotoluene	606-20-2	ND	1700	ug/kg	03/23/94
Di-n-octyl Phthalate	117-84-0	ND	1700	ug/kg	03/23/94
1,2-Diphenylhydrazine	122-66-7	ND	1700	ug/kg	03/23/94
Fluoranthene	206-44-0	ND	1700	ug/kg	03/23/94
Fluorene	86-73-7	ND	1700	ug/kg	03/23/94
Hexachlorobenzene	118-74-1	ND	1700	ug/kg	03/23/94
Hexachlorobutadiene	87-68-3	ND	1700	ug/kg	03/23/94
Hexachlorocyclopentadiene	77-47-4	ND	1700	ug/kg	03/23/94
Hexachloroethane	67-72-1	ND	1700	ug/kg	03/23/94
Indeno(1,2,3-cd)pyrene	193-39-5	ND	1700	ug/kg	03/23/94
Isophorone	78-59-1	ND	1700	ug/kg	03/23/94
2-Methylnaphthalene	91-57-6	ND	1700	ug/kg	03/23/94
Naphthalene	91-20-3	ND	1700	ug/kg	03/23/94
2-Nitroaniline	88-74-4	ND	8000	ug/kg	03/23/94
3-Nitroaniline	99-09-2	ND	8000	ug/kg	03/23/94
4-Nitroaniline	100-01-6	ND	8000	ug/kg	03/23/94
Nitrobenzene	98-95-3	ND	1700	ug/kg	03/23/94
N-Nitrosodimethylamine	62-75-9	ND	1700	ug/kg	03/23/94
N-Nitrosodiphenylamine	86-30-6	ND	1700	ug/kg	03/23/94
N-Nitrosodi-n-propylamine	621-64-7	ND	1700	ug/kg	03/23/94
Phenanthrene	85-01-8	ND	1700	ug/kg	03/23/94
Pyrene	129-00-0	ND	1700	ug/kg	03/23/94

Western Geo-Engineering

SAMPLE ID: WO-1
AEN LAB NO: 9403191-01
AEN WORK ORDER: 9403191
CLIENT PROJ. ID: -

DATE SAMPLED: 03/17/94
DATE RECEIVED: 03/18/94
REPORT DATE: 03/31/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,2,4-Trichlorobenzene	120-82-1	ND	1700	ug/kg	03/23/94
4-Chloro-3-methylphenol	59-50-7	ND	1700	ug/kg	03/23/94
2-Chlorophenol	95-57-8	ND	1700	ug/kg	03/23/94
2,4-Dichlorophenol	120-83-2	ND	1700	ug/kg	03/23/94
2,4-Dimethylphenol	105-67-9	ND	1700	ug/kg	03/23/94
4,6-Dinitro-2-methylphenol	534-52-1	ND	8000	ug/kg	03/23/94
2,4-Dinitrophenol	51-28-5	ND	8000	ug/kg	03/23/94
2-Methylphenol	95-48-7	ND	1700	ug/kg	03/23/94
4-Methylphenol	106-44-5	ND	1700	ug/kg	03/23/94
2-Nitrophenol	88-75-5	ND	1700	ug/kg	03/23/94
4-Nitrophenol	100-02-7	ND	8000	ug/kg	03/23/94
Pentachlorophenol	87-86-5	ND	8000	ug/kg	03/23/94
Phenol	108-95-2	ND	1700	ug/kg	03/23/94
2,4,5-Trichlorophenol	95-95-4	ND	1700	ug/kg	03/23/94
2,4,6-Trichlorophenol	88-06-2	ND	1700	ug/kg	03/23/94
EPA 8010 - Soil matrix	**EPA 8010**				
Bromodichloromethane	75-27-4	ND	5	ug/kg	03/29/94
Bromoform	75-25-2	ND	5	ug/kg	03/29/94
Bromomethane	74-83-9	ND	5	ug/kg	03/29/94
Carbon Tetrachloride	56-23-5	ND	5	ug/kg	03/29/94
Chlorobenzene	108-90-7	ND	5	ug/kg	03/29/94
Chloroethane	75-00-3	ND	5	ug/kg	03/29/94
2-Chloroethyl Vinyl Ether	110-75-8	ND	5	ug/kg	03/29/94
Chloroform	67-66-3	ND	5	ug/kg	03/29/94
Chloromethane	74-87-3	ND	5	ug/kg	03/29/94
Dibromochloromethane	124-48-1	ND	5	ug/kg	03/29/94
1,2-Dichlorobenzene	95-50-1	ND	5	ug/kg	03/29/94
1,3-Dichlorobenzene	541-73-1	ND	5	ug/kg	03/29/94
1,4-Dichlorobenzene	106-46-7	ND	5	ug/kg	03/29/94
Dichlorodifluoromethane	75-71-8	ND	5	ug/kg	03/29/94
1,1-Dichloroethane	75-34-3	ND	5	ug/kg	03/29/94
1,2-Dichloroethane	107-06-2	ND	5	ug/kg	03/29/94
1,1-Dichloroethene	75-35-4	ND	5	ug/kg	03/29/94
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/kg	03/29/94
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/kg	03/29/94
1,2-Dichloropropane	78-87-5	ND	5	ug/kg	03/29/94
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/kg	03/29/94
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/kg	03/29/94
Methylene Chloride	75-09-2	ND	5	ug/kg	03/29/94
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/kg	03/29/94
Tetrachloroethene	127-18-4	140 *	5	ug/kg	03/29/94
1,1,1-Trichloroethane	71-55-6	ND	5	ug/kg	03/29/94

Western Geo-Engineering

SAMPLE ID: WO-1
AEN LAB NO: 9403191-01
AEN WORK ORDER: 9403191
CLIENT PROJ. ID: -

DATE SAMPLED: 03/17/94
DATE RECEIVED: 03/18/94
REPORT DATE: 03/31/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,1,2-Trichloroethane	79-00-5	ND	5	ug/kg	03/29/94
Trichloroethene	79-01-6	ND	5	ug/kg	03/29/94
Trichlorofluoromethane	75-69-4	ND	5	ug/kg	03/29/94
1,1,2Trichlorotrifluoroethane	76-13-1	ND	5	ug/kg	03/29/94
Vinyl Chloride	75-01-4	ND	5	ug/kg	03/29/94

Reporting limits elevated for diesel for EPA Method 3550 GCFID and EPA Method 8270 due to the presence of oil type hydrocarbons.

ND = Not detected at or above the reporting limit
* = Value above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9403191

Quality Control Summary

Duplicate analysis for gasoline and BTEX showed surrogate recoveries outside established laboratory quality control limits for this sample. Results of this analysis are estimated concentrations.

All other laboratory quality control parameters were found to be within established limits.

Definitions

The following abbreviations are found throughout the QC report:

ND = Not Detected at or above the reporting limit
RPD = Relative Percent Difference
< = Less Than

QUALITY CONTROL DATA

DATE EXTRACTED: 03/22/94

DATE ANALYZED: 03/23/94

AEN JOB NO: 9403191
SAMPLE SPIKED: LCS
INSTRUMENT: IR

LABORATORY CONTROL SAMPLE
STANDARD METHOD 5520EF
(SOIL MATRIX)

ANALYTE	Spike Added (mg/kg)	Percent Recovery
Oil	236	90

CURRENT QC LIMITS

Analyte	Percent Recovery
Oil	(70-118)

Daily method blanks for all associated analytical runs showed no contamination over the reporting limit.

QUALITY CONTROL DATA

DATE EXTRACTED: 03/21/94

DATE ANALYZED: 03/22/94

AEN JOB NO: 9403191
SAMPLE SPIKED: 9403209-02
INSTRUMENT: C

MATRIX SPIKE RECOVERY SUMMARY
TPH EXTRACTABLE SOIL
METHOD: EPA 3550 GCFID

ANALYTE	Spike Added (mg/kg)	Average Percent Recovery	RPD
Diesel	41.9	68	4

CURRENT QC LIMITS

Analyte	Percent Recovery	RPD
Diesel	(44-105)	18

Daily method blanks for all associated analytical runs showed no contamination over the reporting limit.

QUALITY CONTROL DATA

INSTRUMENT: G

AEN JOB NO: 9403191

SURROGATE STANDARD RECOVERY SUMMARY
METHOD: EPA 8010
(SOIL MATRIX)

Date Analyzed	SAMPLE IDENTIFICATION Client Id.	Lab Id.	SURROGATE RECOVERY (PERCENT) Bromochloro-methane	1-Bromo-3-chloro-propane
03/29/94	WO-1	01	113	116

CURRENT QC LIMITS

ANALYTE	PERCENT RECOVERY
Bromochloromethane	(71-127)
1-Bromo-3-chloropropane	(70-137)

QUALITY CONTROL DATA

DATE ANALYZED: 03/10/94 AEN JOB NO: 9403191

SAMPLE SPIKED: 9403052-04 INSTRUMENT: G

MATRIX SPIKE RECOVERY SUMMARY
METHOD: EPA 8010
(SOIL MATRIX)

ANALYTE	Spike Conc. (ug/kg)	Average Percent Recovery	RPD
1,1-Dichloroethene	500	73	3
Trichloroethene	500	90	7
Chlorobenzene	500	104	1

CURRENT QC LIMITS

Analyte	Percent Recovery	RPD
1,1-Dichloroethene	(35-127)	13
Trichloroethene	(71-127)	8
Chlorobenzene	(68-117)	10

Daily method blanks for all associated analytical runs showed no contamination over the reporting limit.

QUALITY CONTROL DATA

AEN JOB NO: 9403191

INSTRUMENT: H

SURROGATE STANDARD RECOVERY SUMMARY
METHOD: EPA 8020, 5030 GCFID
(SOIL MATRIX)

Date Analyzed	SAMPLE IDENTIFICATION Client Id.	Lab Id.	SURROGATE RECOVERY (PERCENT) Fluorobenzene
03/24/94	WO-1	01	154 *
03/29/94	WO-1	01	117 *

CURRENT QC LIMITS

ANALYTE	PERCENT RECOVERY
Fluorobenzene	(78-114)

* Outside laboratory quality control limits

QUALITY CONTROL DATA

DATE ANALYZED: 03/24/94 AEN JOB NO: 9403191

SAMPLE SPIKED: LCS INSTRUMENT: H

LABORATORY CONTROL SAMPLE
METHOD: EPA 8020, 5030 GCFID
(SOIL MATRIX)

ANALYTE	Spike Added (ug/kg)	Percent Recovery
Benzene	16.9	109
Toluene	64.9	108
Hydrocarbons as Gasoline	1000	109

CURRENT QC LIMITS

Analyte	Percent Recovery
Benzene	(65-122)
Toluene	(67-124)
Gasoline	(60-125)

Daily method blanks for all associated analytical runs showed no contamination over the reporting limit.

QUALITY CONTROL DATA

DATE EXTRACTED: 03/22/94

AEN JOB NO: 9403191

INSTRUMENT: 11

SURROGATE STANDARD RECOVERY SUMMARY
METHOD: EPA 8270
(SOIL MATRIX)

SAMPLE IDENTIFICATION			SURROGATE RECOVERY (PERCENT)					
Date Analyzed	Sample Id.	Lab Id.	Nitro-benzene-d_5	2-Fluoro-biphenyl	Terphenyl-d_{14}	Phenol-d_5	2-Fluoro-phenol	2,4,6-Tribromo-phenol
03/23/94	WO-1	01	42	57	53	54	57	55

CURRENT QC LIMITS

ANALYTE	PERCENT RECOVERY
Nitrobenzene-d_5	(23-120)
2-Fluorobiphenyl	(30-115)
Terphenyl-d_{14}	(18-137)
Phenol-d_5	(24-113)
2-Fluorophenol	(25-121)
2,4,6-Tribromophenol	(19-122)

QUALITY CONTROL DATA

DATE EXTRACTED: 03/17/94
DATE ANALYZED: 03/18/94

AEN JOB NO: 9403191
SAMPLE SPIKED: 9403161-01
INSTRUMENT: 11

MATRIX SPIKE RECOVERY SUMMARY
METHOD: EPA 8270
(SOIL MATRIX)

ANALYTE	Spike Added (ug/kg)	Average Percent Recovery	RPD
Phenol	3330	82	<1
2-Chlorophenol	3330	55	9
1,4-Dichlorobenzene	3400	70	6
N-Nitroso-di-n-propylamine	3320	86	7
1,2,4-Trichlorobenzene	3330	66	6
4-Chloro-3-methylphenol	3270	98	8
Acenaphthene	3330	89	5
4-Nitrophenol	3300	96	13
2,4-Dinitrotoluene	3330	64	11
Pentachlorophenol	3380	55	5
Pyrene	3320	89	6

CURRENT QC LIMITS

Analyte	Percent Recovery	RPD
Phenol	(26- 90)	35
2-Chlorophenol	(25-102)	50
1,4-Dichlorobenzene	(28-104)	27
4-Nitroso-di-n-propylamine	(41-126)	38
1,2,4-Trichlorobenzene	(38-107)	23
4-Chloro-3-methylphenol	(26-103)	33
Acenaphthene	(31-137)	19
4-Nitrophenol	(11-114)	50
2,4-Dinitrotoluene	(28- 89)	47
Pentachlorophenol	(17-109)	47
Pyrene	(35-142)	36

Daily method blanks for all associated analytical runs showed no contamination over the reporting limit.

QUALITY CONTROL DATA

MATRIX: SOIL

AEN JOB NO: 9403191

DATE DIGESTED: 03/28/94

METHOD SPIKE RECOVERY SUMMARY

Compound	Inst./ Method	Spike Added (mg/kg)	Average Percent Recovery	RPD	QC Limits % Rec. Limit	QC Limits RPD Limit
Cd, Cadmium	ICP/6010	10	89	2	75-125	20
Cr, Chromium	ICP/6010	50	95	3	75-125	20
Ni, Nickel	ICP/6010	50	95	3	75-125	20
Pb, Lead	ICP/6010	50	97	3	75-125	20
Zn, Zinc	ICP/6010	50	94	4	75-125	20

Daily method blanks for all associated analytical runs showed no contamination over the reporting limit.

*** END OF REPORT ***

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172 AIHA Accreditation: 11134

WESTERN GEO-ENGINEERING
1386 E. BEAMER STREET
WOODLAND, CA 95776

ATTN: GEORGE CONVERSE
CLIENT PROJ. ID: -

REPORT DATE: 04/14/94
DATE(S) SAMPLED: 03/17/94
DATE RECEIVED: 03/18/94
AEN WORK ORDER: 9404010

PROJECT SUMMARY:

On March 18, 1994, this laboratory received 1 soil sample(s).

On April 1, 1994, client requested additional analysis on the sample received by this laboratory March 18, 1994. Sample identification, methodologies, result and dates analyzed are summarized on the following page.

Please see quality control report for a summary of QC data pertaining to this project.

If you have any questions, please contact Client Services at (510) 930-9090.

Larry Klein
General Manager

WESTERN GEO-ENGINEERING

SAMPLE ID: WO-1
AEN LAB NO: 9404010-01
AEN WORK ORDER: 9404010
CLIENT PROJ. ID: -

DATE SAMPLED: 03/17/94
DATE RECEIVED: 03/18/94
REPORT DATE: 04/14/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#CA Waste Extraction	CA Title 22	-		Extrn Date	04/05/94
Lead in WET Extract	EPA 6010	0.5 *	0.4	mg/L	04/07/94

ND = Not detected at or above the reporting limit
* = Value above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9404010

Quality Control Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

The following abbreviations are found throughout the QC report:

ND = Not Detected at or above the reporting limit
RPD = Relative Percent Difference
< = Less Than

QUALITY CONTROL DATA

DATE ANALYZED: 04/07/94 AEN JOB NO: 9404010

METHOD BLANK RESULTS FOR WASTE EXTRACTION TEST

Code	Metal	Concentration (mg/L)	STLC (mg/L)	Reporting Limit (mg/L)	Method Reference	Inst.
Pb	Lead	ND	5.0	0.4	6010	ICP

INST = Instrument Number

STLC = Soluble Threshold Limit Concentration

Date Extracted: 04/05/94

*** END OF REPORT ***

Reporting Information

1. Client: Western Geo-Engineers
Address: 1386 E. Beamer St.
Woodland, CA 95776-5003
Contact: George Converse
Alt. Contact: Dave Thielfol

R-7.5-L

American Environmental Network

3440 Vincent Road, Pleasant Hill, CA 94523
Phone (510) 930-9090
FAX (510) 930-0256

AEN

Page 1 of 1

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number: 9403191
Lab Destination:
Date Samples Shipped:
Lab Contact:
Date Results Required: Due 3/29
Date Report Required:
Client Phone No.:
Client FAX No.:

Address Report To:
2. As above

Send Invoice To:
3. As Above

Send Report To: 1 or 2 (Circle one)

Client P.O. No.: Client Project I.D. No.:

Sample Team Member (s)

Lab Number	Client Sample Identification	~~Air~~ Soil Volume	Date/Time Collected	Sample Type*	Pres.	No. of Cont.	Type of Cont.	TPHg-BTEX	TPHd	8010	8270	O&G 5520 B/F	~~CAM 5 TTLC~~ RB	(Cd Cr Pb Zn Ni)	~~WET for Cr-T~~ RB	~~PCBs~~ RB		Comments / Hazards
	~~WO-1~~		~~3/17/1520~~			~~1~~	~~Steel~~	~~✓~~	~~✓~~	~~✓~~	~~✓~~	~~✓~~			~~✓~~	~~✓~~ RB		Normal Turnaround
	WO-1 RB		3-17 RB			1	steel	✓	✓	✓	✓	✓		✓	RB			7 working days
																		Hold Sample for
																		further Analytes
																		if requested.
																		~~3/18/94 Change~~ RB
																		~~3/18/94 Hold analysis~~ RB 3/21
																		Metals = TTLC
																		Cd Cr Pb Zn Ni RB

	DATE	TIME		DATE	TIME
Relinquished by: (Signature) George Converse	3/18/94	0630	Received by: (Signature) [signature]	3/18/94	0820
Relinquished by: (Signature) [signature]	3/18/94	1415	Received by: (Signature) Gina Gillespie	3-18-94	1415
Relinquished by: (Signature)			Received by: (Signature)		
Method of Shipment			Lab Comments 3/21/94 I misunderstood client 3/18/94 & thought samples on hold. Not so - confirmed today RB		

*Sample type (Specify): 1) 37mm 0.8 µm MCEF 2) 25mm 0.8 µm MCEF 3) 25mm 0.4 µm polycarb. filter
4) PVC filter, diam. _____ pore size _____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Bulk Sample
10) Other _______ 11) Other _______

COPIES: WHITE - JOB FILE YELLOW - PROJECT FILE PINK - CLIENT

APPENDIX D

MANLEY & SONS TRUCKING, INC.
ROCK
SAND
DEMO
FILL DIRT
TOP SOIL
CAL T 173038
(916) 381-6864

Hazardous Waste Hauler (Registration #2843)

8896 Elder Creek Rd. • Sacramento, CA 95828 • FAX (916) 381-1573

TO: George Converse

FAX NUMBER: 662-0273

TOTAL PAGES: 5

FROM: Linda Cunningham

REGARDING:

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Contr
Sacramento, California

92297902

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A L 0 0 0 0 5 0 6 8 — Manifest Document No.
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DESERT PETROLEUM INC
PO BOX 1601 OXNARD, CA. 93032
4. Generator's Phone (805) 644-6784

A. State Manifest Document Number: 92297902
B. State Generator's ID:
C. State Transporter's ID: 4116462
D. Transporter's Phone: 916-381-5864
E. State Transporter's ID:
F. Transporter's Phone:

5. Transporter 1 Company Name — 6. US EPA ID Number
MANLEY & SONS TRUCKING, INC. C A L 0 0 0 0 2 7 7 6 9

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address — 10. US EPA ID Number
LAIDLAW ENVIRONMENTAL SERVICE
2500 W. LORKEN RD. BUTTONWILLOW, CA 93206
C A D 9 8 0 6 7 5 2 7 6

G. State Facility's ID: CAD980675276
H. Facility's Phone: 805-762-7372

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	State Waste Number
a. NON-RCRA HAZARDOUS WASTE, SOILID N.O.S.	0 0 1	D T	0 0 0 1 8	Y	State: 611
b.					State:
c.					State:
d.					State:

EPA/Other: EPA/Other: EPA/Other: EPA/Other:

12.A Additional Descriptions for Materials Listed Above
APPROVAL # 11720BDC0494
WORK ORDER # 9404762

K. Handling Codes for Wastes Listed Above
a. 03 b.
c. d.

15. Special Handling Instructions and Additional Information
EMERGENCY RESPONSE 24 HOURS WEAR SAFETY GEAR, TAKE SAFETY PRECAUTIONS
ERICKSON, INC. 415-235-1393

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: FRANK L. MARSHALL — Signature: Frank L Marshall — Month 04 Day 06 Year 94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MIKE HARRIS — Signature: Mike Harris — 4-6-94 — Month 04 Day 06 Year 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
FRANK L.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: Richard Morris — Signature: Richard Morris — Month 04 Day 06 Year 94

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

DTSC 8022A (12/91)
EPA 8700-22

☑ RCRA
☐ HAZARDOUS (NON-RCRA)
☐ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.
2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# 9404762
WMU # 33 LOCATION 21-C 74

04-26-1994 10:59AM FROM MANLEY&SONS TO 6620273 P.03

DATE ... 4

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

14:00
04/06/94
G+081600 lb DS

06.04.94 14:35
81600 LB
32900 LB TR
48700 LB NET

MANIFEST NO. 9217902 QUANTITY ______ tons RATE ______ $/ton

TRUCKING CO. Manley ☑ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - ____ BINS ☐ FLAT BED ☐ ______

GENERATOR COMPANY ... LOCATION Exxon ... STATION Livermore

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS ______ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☑ SOLID ☐ LIQUID STATE ID # 611 EPA ID# ______

ON-SITE ID: ANALYST ... PROFILE# 11720-BCC-0494

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brn	☑	☐	Sul(8A)	POS NEG	☐	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	OK	☑	☐	Cya(9)	POS NEG	☐	☐	Flash	°F	☐	☐		85 GAL
pH (3)	7.5	☐	☐	F.L.(21)	YES NO	☐	☐	HCVP		☐	☐		

COMMENTS: ______

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC. WEIGHMASTER

Gross by [signature] Deputy
Tare By [signature] Deputy
Truck # ...
Truck Lic. No. 9AW6674
Trailer Lic. No. 1VN4569
Trailer Lic. No. ______

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE
By [signature]
☑ Scoop ☐ Coliwassa ☐ Thief

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISON AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAT000005068 | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DESERT PETROLEUM INC
PO BOX 1601 OXNARD, CA. 93032
4. Generator's Phone (805) 644-6784

A. State Manifest Document Number 9229920
B. State Generator's ID TKH044033652
C. State Transporter's ID 426468-426470
D. Transporter's Phone 916-387-6864
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID CAD980625276
H. Facility's Phone 805-763-7372

5. Transporter 1 Company Name: MANLEY & SONS TRUCKING, INC
6. US EPA ID Number: CAT000027769
7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
LAIDLAW ENVIRONMENTAL SERVICE
2500 W LORKEN RD. BUTTONWILLOW, CA. 93206
10. US EPA ID Number: CAD980675276

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Numbers
a. NON-RCRA HAZARDOUS WASTE, SOILID N.O.S.	001	DT	00007	Y	State 611 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
APPROVAL # 11720EDC0494
WORK ORDER # 940476

K. Handling Codes for Wastes Listed Above
a. 03 b.
c. d.

15. Special Handling Instructions and Additional Information
EMERGENCY RESPONSE 24 HRS. ERICKSON, INC. 415-235-1392
WEAR SAFETY GEAR. TAKE SAFETY PRECAUTIONS

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
FRANK L. MARSHALL	Frank L Marshall	04	06	94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Dave Dailly	Dave Dailly	04	06	94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Richard Morris	Richard Morris			

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

9229920

DTSC 8022A (12/91)
EPA 8700—22

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

☑ RCRA

☑ HAZARDOUS (NON-RCRA)

☐ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# 9404763

WMU # 33 LOCATION 21-E-1

DATE 4-6-94

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

14:06
04/06/94
G+066760 lb DS

9229720 ____ tons ____ $/ton

MANIFEST NO. QUANTITY RATE

TRUCKING CO. Nickel

☐ END DUMP ☑ TRANSFER ☐ VACUUM ☐ VAN
☐ ROLL OFF - ____ BINS ☐ FLAT BED ☐ ____

GENERATOR Desert Pelpo Livermore

COMPANY LOCATION STATION

06.04.94 14:40
66760 LB
29740 LB TR
37020 LB NET

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS ____ DRIVER'S SIGNATURE X Dan Dally

DESCRIPTION: ☑ SOLID ☐ LIQUID STATE ID # 611 EPA ID# ____

ON-SITE ID: ANALYST [illegible] Moreno PROFILE# 1172-EX-0494

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	TN	☑	☐	Sul(8A)	POS NEG	☑	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	[illegible]	☑	☐	Cya(9)	POS NEG	☑	☐	Flash	°F	☐	☐		85 GAL
pH (3)	7.41	☑	☐	F.L.(21)	YES NO	☑	☐	HCVP		☑	☐		

COMMENTS: ____

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC. WEIGHMASTER

Gross by Don Lacerra Deputy

Tare By Richard [illegible] Deputy

Truck # M17

Truck Lic. No. 4P02082

Trailer Lic. No. 1VD9068

Trailer Lic. No. ____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 83-150.

SIGNATURE OF TSDF OPERATOR X [illegible]

...ERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT ... MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

X [illegible]

SAMPLING PROCEDURE

By Richard Moreno

☑ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom