

Dublin, California 94568

415 529-0661

1993

TO :

TO : [Handwritten Name]
[Handwritten Address]
[Handwritten City]
CALL NO: 568 3706
PHONE NUMBER: 415 - 4370



[Handwritten Name]
[Handwritten Address]
[Handwritten City]

[Faded text, possibly a return address or recipient details]

[Handwritten signature or initials]

Environmental Consultants

6761 Serro Court

415 829-0661

Suite D

FAX 415 829-8493

Oakland, CA 94618

SCS ENGINEERS

November 14, 1990

File No. 0390044.00

Robert A. Buchman, Esq.
King, Shapiro, Mittelman & Buchman
3650 Mount Diablo Boulevard, Suite 130
Lafayette, California 94549

Reference: Harrison Street Garage, Waste Oil and Gasoline Product Removal

Dear Mr. Buchman:

On October 27, 1990, SCS Engineers (SCS) represented by John P. Cummings met with Mark Borsuk and Barbara Borsuk, as well as Jim Hohlitzell and Brian Mandung of Falcon Energy. Falcon Energy was to remove the waste oil and gasoline product in the four known underground tanks at the site identified as 1432 Harrison Street, Oakland, California, aka Harrison Street Garage.

The work commenced approximately 10:00 O'clock when the garage was opened by an owner representative. The work progressed by the following order: A grate on the Harrison Street side was removed and a vacuum hose placed through a grate opening to the waste oil tanks in the basement of the Harrison Street Garage on the Alameda Street side. Upon removing the metal plate covering the waste oil tanks, it was noted that the pipes into the tank were smaller than the normal size utilized in waste oil tanks. A 1-inch by 18 foot probe had to be obtained to remove the product from the tanks. This was obtained from a local hardware facility. Figure 1 shows the location of the tanks and identifies the tanks. Waste Oil tank No. 1 had 29-inches of product in it, and Waste Oil No. 2 had 40-inches of product in it.

Samples were taken from each of the waste oil tanks, using clean plastic bailers. A sample from each tank was poured into two 1-liter amber jars. The samples were placed in a cooler with ice and shipped to a state-certified laboratory under strict Chain of Custody documentation (see Appendix 1). The results from the analysis for cadmium, chromium, lead and zinc, PCBs and halogenated alkenes are shown in Table 1.

Dedicated bailers were used in this sampling event to minimize possibility of contamination possible with re-used equipment. During removal of the waste oil from the waste oil tanks, samples were analyzed for chloride contamination in the waste oil using a Chloride Test Kit available from the same hardware facility as the sampling equipment.

Mr. Robert A. Buchanan, Esq.

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Oil tank No. 1, showed chloride contamination in the used oil of less than 800 parts per million. The analysis for waste oil tank No. 2, showed less than 600 parts per million chloride contamination in the waste oil.

1300-gallons of waste oil were removed from Waste Oil tanks 1 and 2 combined. There remained some sludge in the bottom of both Waste Oil tank 1 and Waste Oil tank 2 which will be removed upon excavation of the waste oil underground storage tanks.

After completing the removal of the liquid waste oil, the vacuum truck moved around to the front of the facility and removed gasoline product from gasoline tank No. 1 and gasoline tank No. 2. Prior to removal of the product, tank 1 was measured and there was 7-inches of product in it. Tank No. 2 was also measured and 5-inches of product was in tank No. 2. Product in gasoline tank No. 2, indicated a presence of rust. The gasoline product removed from gasoline tank 2, was clear and appeared to be clean, non-contaminated gasoline.

The samples were taken from each of the underground storage tanks for gasoline with a clean bailer, and the material was placed in a cooler with ice and shipped to a state-certified laboratory using a Chain-of-Custody form. The oil samples taken during the October 27th sampling event were analyzed for PCBs EPA Protocol 8080; for halogenated hydrocarbons, EPA Protocol 8010; and for cadmium, chromium, lead and zinc EPA Protocol 6010. The gasoline samples were tested for iron content, organic lead and water content.

The results of the analysis for waste oil and gasoline are shown in Table 1 and Table 2 respectively. Copies of laboratory reports are attached in Appendix 1, along with the copy of Chain-of-Custody document.

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

Table 1 contains the results of the chemical analysis for waste oil contamination in the waste oil tanks located on the subject site during the October 27, 1990 sampling event. Neither waste oil tank shows cadmium contamination. The results of the metal contamination showed that chromium was minor, lead and zinc were more substantial but not excessive.

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PCB 1242 was found at 110 parts per million (ppm) in Waste Oil tank 1 and 98 ppm in Waste Oil tank 2. Di-bromo chloroethane, 1,2 dichloroethane, tetrachloroethane and trichloroethane were found at levels as shown in Table 1, however, they were less than 1,000 parts per million total, and therefore were acceptable to become a recycled product.

The gasoline showed minor contamination. Evergreen Environmental Services used both products as a recycled product. SCS judged that the material was recyclable from the beginning, and this was confirmed by both the transporter, Falcon Energy, and Evergreen Environmental Services who took the product, and have recycled it. A copy of the manifest which was signed by Ms. Barbara Borsuk, the transporter, and the facility operator, is enclosed as Appendix 2.


In summary, the waste oil recovered from the waste oil tanks at the Harrison Street Storage, along with the gasoline product which was recovered, has been accepted and utilized by recycling contractor.

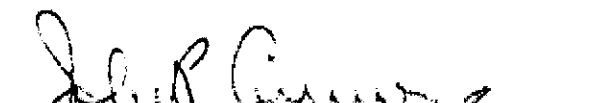
RECOMMENDATIONS

SCS Engineers recommends that the tanks, all four, be removed as soon as possible. Sludge and any residual products will be removed at the time of the tank excavation.

SCS recommends that this site's tanks be removed as soon as possible. Permits for the waste oil tanks need to be obtained, all of this work should take place after a workplan is put together and an agreement with the owner.

Sincerely,


Don McClenagan
Project Geologist
SCS Engineers


John P. Cummings, Ph.D., R.E.A., R.E.P.
Office Director
SCS Engineers

IDM/JPC/egh
Enclosure

cc: Mark Borsuk

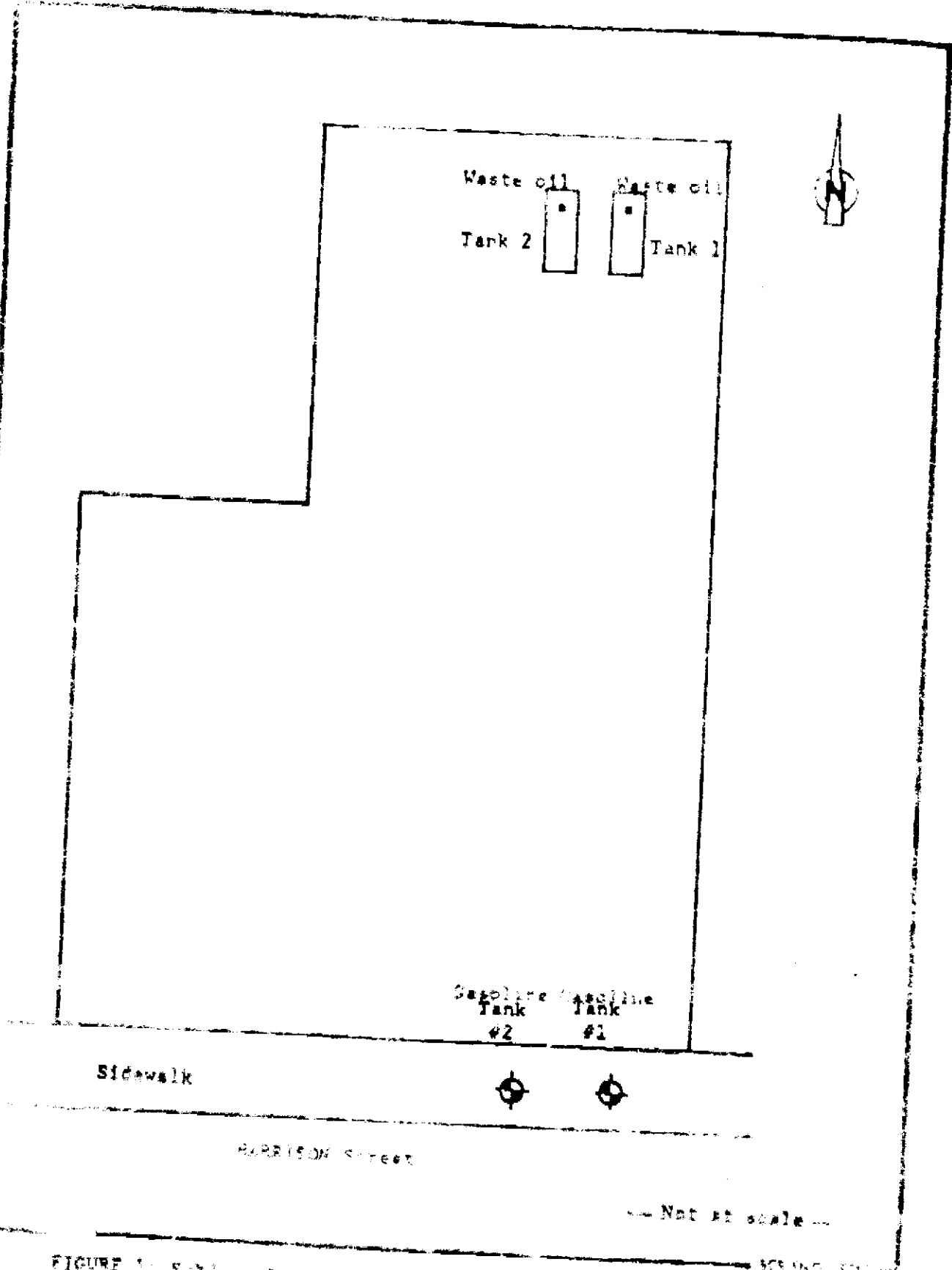


FIGURE 1: Subject Site Plan

SCS 10/10/91

TABLE 1
Waste Oil Analysis (ppm)

	<u>Cd</u>	<u>Cr</u>	<u>Pb</u>	<u>Zn</u>
WO 1	ND	8	2340	800
WO 2	ND	78	3440	735
Detection Limit	4	1	10	2
TTLG	100	500	1000	5000
STLC	1	5	5	250

PCB - 1248 *Arachidonic*

WO 1	110
WO 2	93
Detection Limit	5
STLC	5
TTLG	50

Halogenated Hydrocarbons

* 8021 8240	<u>Di-bromo chloromethane</u>	<u>1-2 Dichloroethane</u>	8010 8020
----------------	-------------------------------	---------------------------	--------------

WO 1	13	1.8
WO 2	11	1.2
Detection Limit	1.5	0.25

Tetrachloroethene Trichloroethene

86	2.5
8	9.8
	0.75

ND - Not Detected
ppm - parts per million

TABLE 2
Gasoline Analysis (ppm)

	<u>Organic Lead</u>	<u>Fe</u>	<u>Water</u>
Gas 1	ND	385	300
Gas 2	ND	6	60
Detection Limit	5	4	10

ND - Not Detected
ppm - parts per million

400

CHAIN OF CUSTODY RECORD

ES ANALYTICAL LABORATORY



PERSONNEL

SITE INFORMATION

THE ANALYTICAL
LABORATORY
10000 CALIFORNIA
AVENUE
LOS ANGELES, CALIFORNIA
90024-1500

Sampler (Signature) John Cummins
Phone (415) 829-0661

Job Name HARRISON ST GARAGE
Job Number 0390044.00

Field Crew Supervisor John P. Cummings
Field Company SCS

Sample Location Waste Oil tanks
Gold Line Trunks

Project Geologist/Engineer John P. Cummings O. Number _____

Relinquished by (Signature) <u>John P. Cummings</u>	Received by (Signature) <u>Nancy Hotel</u>	Date <u>10/30/90</u>	Time <u>10:00 AM</u>
Relinquished by (Signature)	Received by (Signature)	Date	Time

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
<u>W01</u>	<u>oil</u>	<u>1</u>	<u>Harrison</u>	<u>10/27/90</u>	<u>5000 PCBs</u>	<u>cool</u>
<u>W01B</u>	<u>oil</u>	<u>1</u>	<u>Pool</u>		<u>5010 Hexagonal</u>	
<u>W02</u>	<u>oil</u>	<u>1</u>			<u>Hydrocarbons</u>	
<u>W02D</u>	<u>oil</u>	<u>1</u>			<u>Pb, Cd, Cr, Cu</u>	
<u>Geo #1</u>	<u>Garbis</u>	<u>1</u>	<u>Jarvis</u>		<u>ORGANIC LEAD.</u>	
<u>Geo #1D</u>		<u>1</u>	<u>Pool</u>		<u>Fe conduct.</u>	<u>cool</u>
<u>Geo #2</u>		<u>1</u>			<u>Wash</u>	<u>cool</u>
<u>Geo #2D</u>		<u>1</u>			<u>Conduct</u>	<u>cool</u>

244 Hylan Turn Around, 10000 CALIFORNIA AVENUE, LOS ANGELES, CALIFORNIA 90024-1500

400 39044.00

CHAIN OF CUSTODY RECORD



PERSONNEL

SITE INFORMATION

800 HUNTSVILLE
LONG BEACH, CALIFORNIA 90801
B.J. 18-121

Sampler (Signature) [Signature]
Phone (415) 829-0601

Job Name HARRISON ST GARAGE

Job Number 0390744.00

Field Crew Supervisor John P. Cummings
Field Company SCS

Sample Location Waste Oil Tanks
Gold Line Tanks

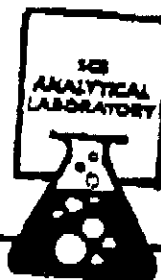
Project Geologist/Engineer John P. Cummings O. Number _____

Relinquished by (Signature) <u>[Signature]</u>	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature)	Date	Time

Analysts laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
001	oil	1	Harrison	12/27/90	8080 PCBs	
001D	oil	1	Box		8080 Hydrocarbons	
002	oil	1			Hydrocarbons	
002D	oil	1			Pb, Cd, Cr, Zn	
001	Gasoline	1	Harrison		ORGANIC LEAD	
001D		1	Tank 1		Fe conduct.	
002		1				
002D		1				

24 Hour Turn Around WASTE OIL SAMPLES
Check 850000 samples for [unclear]



7800 WALNUT AVENUE #
LONG BEACH, CALIFORNIA 90804
(714) 495-6124
(714) 495-6709

MEMO

To: John Cummings

From: Lam V. Ho

Job No.: 0190044.00

November 13, 1990

Page 1 of 1

LABORATORY REPORT

Samples: Four (4) oil samples and four (4) gasoline samples from Harrison St. Garage received 10/30/90, analyzed 11/12/90. Results for the oil samples were sent at an earlier date. Remainder of samples to be archived. Gasoline sample #1D received broken.

Sample ID	Organic Pb (DHS) -----mg/kg-----	Pb (6010)	Water Content (Karl Fischer) -----mg/kg-----
Gas #1	ND	385	300
Gas #2	ND	6	60
Detection Limit	5	4	10
ND - Not Detected			

David Mikasell
David Mikasell
Chemist

Lam V. Ho
Lam V. Ho PHD, REP
Laboratory Director

Harris2.rep

NOV 07 1990



2800 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(714) 598-1124
FAX (714) 598-0709

MEMO

To: John Cummings

From: Lam V. Ho

November 1, 1990

Job No.: 0390044.00

Page 1 of 5

LABORATORY REPORT

Samples: Four (4) oil samples and four (4) gasoline samples from Harrison St. Garage received 10/30/90, analyzed 10/31/90. Results for gasoline samples to follow at a later date. Remainder of samples to be archived. Gasoline sample #1D received broken. (RUSH ANALYSIS on oil samples only)

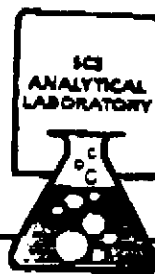
Sample ID	Cd (6010)	Cr (6010)	Pb (6010)	Zn (6010)
	mg/kg			
W01	ND	8	2340	800
W02	ND	7	3440	735
Detection Limit	4	1	10	2
ND - Not Detected				

EPA PCB and 8010- see attached sheets

David Mikesell
Chemist

Lam V. Ho
Laboratory Director

Harris1.rep



2860 WALNUT AVENUE
 LONG BEACH, CALIFORNIA 90804
 (714) 595-9334
 FAX (714) 595-6709

Addendum Report, PCB's
 Page 2 of 5

Sample I.D.: WO1
 Date Received: 10/30/90
 Date Analyzed: 10/31/90
 Matrix: oil
 Project #: 0390044.00
 File #: Harris1.rep

Compound	Result ---mg/kg (ppm)---	D.L.
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	110	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
 ND = Not Detected



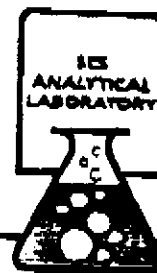
2850 MAIN ST AVENUE
LONG BEACH CALIFORNIA 90806
TEL: 562-5324
FAX: 562-596709

Addendum Report, PCB's
Page 3 of 5

Sample I.D.: WO2
Date Received: 10/30/90
Date Analyzed: 10/31/90
Matrix: oil
Project #: 0390044.00
File #: Harris1.rep

Compound	Result ----mg/kg (ppm)----	D.L.
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	93	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected



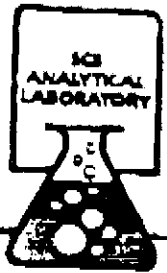
2842 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90804
(714) 595-6124
FAX (714) 595-6709

Addendum Report, EPA 8010
Page 4 of 5

Sample I.D.: W01
Date Received: 10/30/90
Date Analyzed: 10/31/90
Matrix: oil
Project #: 0390044.00
File #: Harris1.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
Benzyl Chloride	ND	4500
Bis(2-Chloroethoxy)methane	ND	7500
Bis(2-Chloroisopropyl) Ether	ND	4500
Bromobenzene	ND	1500
Bromomethane	ND	4500
Bromodichloromethane	ND	1500
Bromoform	ND	4500
Carbon Tetrachloride	ND	750
Chlorobenzene	ND	750
Chloroethane	ND	4500
2-Chloroethylvinyl Ether	ND	37500
Chloroform	ND	1500
1-Chlorohexane	ND	750
Chloromethane	ND	4500
Chloromethylmethylether	ND	37500
2-Chlorotoluene	ND	750
Dibromochloromethane	13000	1500
Dibromomethane	ND	3000
1,2-Dichlorobenzene	ND	1500
1,3-Dichlorobenzene	ND	1500
1,4-Dichlorobenzene	ND	1500
Dichlorodifluoromethane	ND	30000
1,1-Dichloroethane	ND	1500
1,2-Dichloroethane	1800	750
1,1-Dichloroethene	ND	1500
trans-1,2-Dichloroethene	ND	750
1,2-Dichloropropane	ND	750
cis-1,3-Dichloropropene	ND	4500
trans-1,3-Dichloropropene	ND	1500
Methylene Chloride	ND	7500
1,1,2,2-Tetrachloroethane	ND	750
Tetrachloroethene	8600	750
1,1,1-Trichloroethane	ND	750
1,1,2-Trichloroethane	ND	750
Trichloroethene	7500	750
Trichlorofluoromethane	ND	4500
Trichloropropane	ND	750
Vinyl Chloride	ND	3000

D.L. = Detection Limit



7800 BELLINI AVENUE
LONG BEACH, CALIFORNIA 90804
(714) 491-5124
FAX (714) 596-4704

Addendum Report, EPA 8010
Page 5 of 5

Sample I.D.: W02
Date Received: 10/30/90
Date Analyzed: 10/31/90
Matrix: oil
Project #: 0390044.00
File #: Harris1.rep

Compound	Result ----ug/kg (ppb)----	D.L.
Benzyl Chloride	ND	4500
Bis(2-Chloroethoxy)methane	ND	7500
Bis(2-Chloroisopropyl) Ether	ND	4500
Bromobenzene	ND	1500
Bromomethane	ND	4500
Bromodichloromethane	ND	1500
Bromoform	ND	4500
Carbon Tetrachloride	ND	750
Chlorobenzene	ND	750
Chloroethane	ND	4500
2-Chloroethylvinyl Ether	ND	37500
Chloroform	ND	1500
1-Chlorohexane	ND	750
Chloromethane	ND	4500
Chloromethylmethylether	ND	37500
2-Chlorotoluene	ND	750
Dibromochloromethane	11000	1500
Dibromomethane	ND	3000
1,2-Dichlorobenzene	ND	750
1,3-Dichlorobenzene	ND	750
1,4-Dichlorobenzene	ND	750
Dichlorodifluoromethane	ND	30000
1,1-Dichloroethane	ND	1500
1,2-Dichloroethane	1200	750
1,1-Dichloroethene	ND	1500
trans-1,2-Dichloroethene	ND	750
1,2-Dichloropropane	ND	750
cis-1,3-Dichloropropene	ND	4500
trans-1,3-Dichloropropene	ND	1500
Methylene Chloride	ND	3000
1,1,2,2-Tetrachloroethane	ND	750
Tetrachloroethane	15600	750
1,1,1-Trichloroethane	ND	750
1,1,2-Trichloroethane	ND	750
Trichloroethene	9800	750
Trichlorofluoromethane	ND	4500
Trichloropropane	ND	750
Vinyl Chloride	ND	3000

D.L. = Detection Limit
ND = Not Detected

A. MANUFACTURER & B. ORIGIN
 87 Rico Way
 San Francisco, CA 94123
 415-922-4740
 C. COMPANY NAME
 FALCON ENERGY ASSOCIATES
 D. COMPANY NAME
 C.O.R.I.
 E. ENVIRONMENTAL SERVICES INC
 F. ENVIRONMENTAL SERVICES
 190 Ocean Avenue
 Newark, CA 94560

1. State Manifest Document Number
89618164
 2. State Generator's ID
 3. State Transporter's ID
 CA 2453
 4. Transporter's Phone
 (209) 463-7108
 5. State Transporter's ID
 6. Transporter's Phone
 (800) 972-5284
 7. State Facility's ID
 CA 09 10 6 9 5 7 6 1 1
 8. Facility's Phone
 (800) 972-5284

3. DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

Waste Petroleum Oil, N.O.S., Combustible
 Liquid, NA 270

4. Quantity
 5. Unit
 6. Weight
 7. Volume
 8. Net Weight
 9. Net Volume
 10. Gross Weight
 11. Gross Volume
 12. Net Weight
 13. Net Volume
 14. Gross Weight
 15. Gross Volume

State
 EPA ID#
 Reg. No.
 State
 EPA ID#
 State
 EPA ID#
 State
 EPA ID#

16. Other Descriptors (if any) (see 49 CFR 173.10)
 Waste oil tested at LT 1000

17. Handling Code
 18. Other Information
 19. Other Information
 20. Other Information

21. Other Handling Information and Additional Information
 wear protective clothing.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the person who shipped this material, classified, coded, marked and labeled in accordance with applicable federal and state transportation regulations, according to the most restrictive applicable federal and state government regulations.
 I am a large quantity generator, I certify that this information is true and correct, the volume and toxicity of this material generated in the unit, and the material is as described above, and that I have provided the appropriate hazard information currently available to me which is necessary to protect human health and the environment. If I am a small quantity generator, I hereby certify that I have a good faith belief in the information provided and believe the best waste management method that is available to me and that I can afford.

22. Typed Name
 BERBARA BORSK
 23. Signature
 [Signature]

24. Typed Name
 [Signature]
 25. Signature
 [Signature]

26. Typed Name
 [Signature]
 27. Signature
 [Signature]

28. Other Information
 29. Other Information
 30. Other Information



ENVIRONMENTAL
SERVICES

6880 SMITH AVE., NEWARK, CA 94566
EPA ID# CAD9980H97251

ALTERNATE TO CA CERTIFICATE OF RECYCLING INC.

INVOICE 177571

NAME <i>New</i>	LOCATION <i>New</i>	PHONE INFORMATION	DATE <i>Oct 29 90</i>
ADDRESS <i>Wilson Canyon</i>	CITY <i>Wilson Canyon</i>	CUSTOMER NO. <i>FA 2012</i>	
STATE <i>CA</i>	ZIP <i>94588</i>	PHONE NO. <i>916 374 3708</i>	

PLEASE PAY FROM THIS INVOICE

TERMS: NET 7 DAYS

DESCRIPTION	MANIFEST #	GALLONS	UNIT	AMOUNT
<i>SAMPLE #1</i>	<i>18001164</i>	<i>1500</i>		
<i>Net</i>				
TOTAL CHARGES				

TSCH ENVIRONMENTAL INC
4800 Smith Ave
Newark, CA

VERIFY AND SIGN ABOVE AMOUNT AND INFORMATION TO BE CORRECT

[Signature]
GENERAL SIGNATURE