

S E M C O
Environmental and General Engineering Contractors
1741 Leslie Street
San Mateo, California 94402

93 AUG 13 PM 2:02

August 10, 1993

Brian Oliva
Alameda County Department
of Public Health
80 Swan Way #200
Oakland, CA 94621

Re: Tank Removal at 1465 65th Street, Emeryville, CA

Dear Mr. Oliva:

We are pleased to present this tank removal report for your consideration. If you have any questions please do not hesitate to call.

Sincerely,



Tina Soenksen
Project Coordinator
SEMCO-SAN MATEO

License # 449864
A,B, C-61/D-40
Hazardous Substances Certification

(800) 831-2344
(415) 572-8033
(415) 572-9734 FAX

S E M C O
Environmental and General Engineering Contractors
1741 Leslie Street
San Mateo, California 94402

TANK REMOVAL REPORT

PREPARED FOR:
Don Mammini
Ryerson Steel and Aluminum
1465 65th Street
Emeryville, CA 94608

Site Address:
1465 65th Street
Emeryville, CA 94608

License # 449864
A,B, C-61/D-40
Hazardous Substances Certification

(800) 831-2344
(415) 572-8033
(415) 572-9734 FAX

1.0 INTRODUCTION

In this report we are presenting a detailed account of field activities at the Ryerson Steel facility in Emeryville, California. All work was performed by SEMCO - San Mateo, and is in compliance with the County of Alameda Environmental Health Department and the Emeryville Fire Department. Tank excavation, preparation and removal took place on March 11, 1993.

2.0 EXCAVATION

On March 11, 1993, SEMCO excavated the tank site to a depth of 3 feet, a width of 12 feet, and a length of 30 feet. At that time the tank was exposed and all dirt alongside of tank was removed and stock piled. Also removed were all product lines going to the tank, the pump island and guard post next to the pump island. The product lines going to the tank and pump island were in good condition with no visible holes. Approximately 40 cubic yards of soil were removed and stockpiled on-site. The soil excavated had a very sandy clay consistency. All field work documented in Appendix C.

3.0 TANK REMOVAL

SEMCO removed one 10,000 gallon steel single-walled gasoline tank from the facility at 1465 65th St., Emeryville. The tank contained gasoline of which 135 gallons of both fuel and rinsate were removed. Allied Petroleum transported the waste to the Refineries Service on Manifest # 92698612. The tank was inerted by washing it with a hot water detergent wash followed by placing solid carbon dioxide (dry ice) in the tank until an oxygen percentage of 14 % and a lower explosive limit of 7.0 % was reached. The tank condition was good with no holes. RHT Trucking transported the inerted tank to Erickson, Inc. for disposal on Manifest # 92808764. All manifests are provided in Appendix D.

4.0 SOIL SAMPLING

After tank removal, two samples were taken from the pit excavation at an 8'6" depth and a 9'6" depth. Samples were attained with the backhoe bucket. A clean brass sample tube was pushed into the soil until a full sample was attained. The ends of the tube were covered with teflon tape and sealed with plastic end caps and masking tape. All samples were labeled, placed in a sealed cooler with blue ice, and entered onto a chain of custody form. Samples were taken to Superior Analytical, a state DHS-certified laboratory.

Samples were taken from both the west and east end of the tank at an approximate depth of 8'6" and 9'6" respectively. A sample was also attained from the spoils pile and excavation pit water. All samples were analyzed for Total Petroleum Hydrocarbons as Diesel (TPH-D), and Benzene, Toluene, Ethylbenzene and Xylenes (BTEX). Analytical results demonstrated that all soil samples had undetectable amounts of the aforementioned contaminants, except 26 parts per million (ppm) of diesel and 0.007 ppm of toluene were found in the composite spoils sample. Also identified was 850 parts per billion of TPH-D in the excavation pit sample. All analytical results are provided in Appendix B.

5.0 CONCLUSION

The excavation was backfilled with clean imported base rock, pending soil sample results.

On June 25, 1993, SEMCO returned once more to compact the soil for resurfacing.

Due to the level of contaminants in the water sample, Hydro-Environmental Technologies was contracted to further investigate the extent of contamination.

We enjoyed being able to serve you, if you have any further questions, please do not hesitate to call.

Sincerely,



Tina Soenksen
Project Coordinator
SEMCO Environmental Contractors

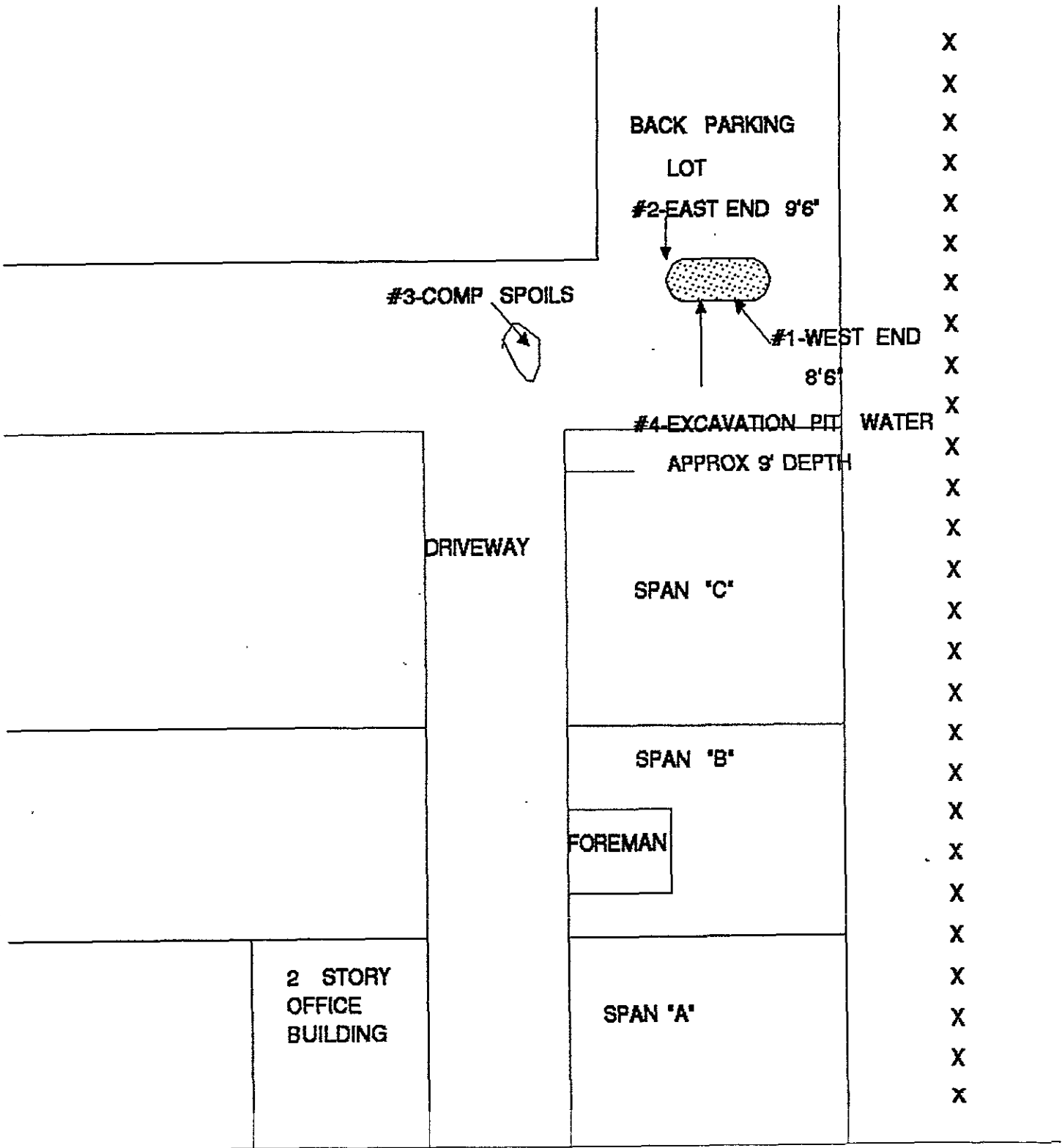
Figure 1: Site Location Map
Figure 2: Sampling Location Map

Appendix A: Job Permits
Appendix B: Analytical Laboratory Reports and Chain-of-Custody
Appendix C: Field Notes and Health and Safety Daily Report
Appendix D: Uniform Hazardous Materials Manifests

FIGURES

Site Location Map





65TH STREET

S E M C O

1465 65TH STREET
EMERYVILLE, CA

APPENDIX A

6. Contractor SEMCO
Address 1741 Leslie Street
City San Mateo, CA 94402 Phone (415) 572-8033
License Type A.B. & C-61 ID# 449864

7. Consultant N/A
Address _____
City _____ Phone _____

8. Contact Person for Investigation

Name Chuck Kiper Title Vice-President
Phone (415) 572-8033

9. Number of tanks being closed under this plan 1
Length of piping being removed under this plan undetermined
Total number of tanks at facility 1

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground tanks are hazardous waste and must be handled **
as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name Allied Petroleum EPA I.D. No. CAD 980675128
Hauler License No. 1168 License Exp. Date 4/30/93
Address P.O. Box 3551
City Modesto State CA Zip 95350

b) Product/Residual Sludge/Rinsate Disposal Site

Name Refineries Services EPA I.D. No. CAD083166728
Address 13331 West Highway 33
City Patterson State CA Zip 95363

c) Tank and Piping Transporter

Name RHT Trucking EPA I.D. No. CAD982471591
Hauler License No. 2753 License Exp. Date 4/30/93
Address 1336 Pauline
City Modesto State CA Zip 95351

d) Tank and Piping Disposal Site

Name Erickson EPA I.D. No. CAD009466392
Address 255 Parr Blvd.
City Richmond State CA Zip 94801

11. Experienced Sample Collector

Name Chuck Kiper
Company SEMCO
Address 1741 Leslie Street
City San Mateo State CA Zip 94402 Phone (415)572-8033

12. Laboratory

Name Superior Analytical
Address 1555 Burke Unit I
City San Francisco State CA Zip 94124
State Certification No. 1332 & 319

13. Have tanks or pipes leaked in the past? Yes [] No [X]

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

High pressure hot water detergent wash.

20 lbs. per 1000 gallons dry ice. use 30 gallons of dry ice per 1000 gal volume of UST

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
10,000	Diesel	soil/water, if encountered	2 ft. below in native soil

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) Anywhere from approx. 25 to 100 cy	Sampling Plan Soil samples taken from the tank excavation will be collected, placed in brass tubes, sealed with foil, Teflon caps, sealed with approved tape, placed on ice, transported to state certified lab under chain of custody and analyzed for constituents of tank.

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
Diesel	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260	

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer Fairmont Insurance Company

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) Chuck Kiper

Signature *Chuck Kiper*

Date 12/23/92

Signature of Site Owner or Operator

Name (please type) Don Mammini

Signature *Don Mammini*

Date 12-22-92

EMERYVILLE FIRE DEPARTMENT
FIRE PREVENTION BUREAU
6303 HOLLIS STREET
EMERYVILLE, CA 94608
655-7678

CITY OF EMERYVILLE

MAR - 6 1993

FIRE CODE PERMIT

No 1272

PERMISSION IS HEREBY GRANTED SEMCO

TO ~~OPERATE~~ Remove 1 Underground tank
~~MAINTAIN~~
~~STORE~~

ON PREMISES LOCATED AT 1465-65th Street (Ryerson Steel)

PERIODIC INSPECTIONS ARE A CONDITION OF THIS PERMIT WHICH IS ISSUED IN ACCORDANCE
WITH UNIFORM FIRE CODE, AS SPECIFIED IN SECTION 4.108 OF SAID CODE.

ADDITION REQUIREMENTS EFD & County reps must be onsite prior to
removal; Bldg. Dept permit (if needed) must be onsite prior
to removal.

ENG. CO. DISTRICT # NA EXPIRATION DATE: 05/01/93

THIS PERMIT MUST BE
POSTED WITH BUSINESS
LICENSE

PERMIT APPROVED BY

George Warren
FIRE MARSHAL

03/05/93
DATE

MAR - 6 1993 ✓

APPLICATION FOR PERMIT TO OPERATE, MAINTAIN OR STORE

Make check payable to: CITY OF EMERYVILLE

Mail to: Emeryville Fire Department
Fire Prevention Bureau
6303 Hollis Street
Emeryville, CA 94608

(510) 596-
PHONE: ~~858-7770~~
3750

F.P.B. Permit No. 1272

Due Date: _____

Original X

Renewal _____

~~operate~~

To: ~~maintain~~ Remove UG tank Specify use if Public Assembly

~~store~~

Pursuant to Section 4.108 of uniform Fire Code '91 edition

Application made by: SEMCO

Location: 1465 65th Street

Emeryville, CA 94602

Signed Alameda Kames Applicant Phone # 415-572-8033

Date: 02/23/93

Fee: \$50.00 p/tank

Cash _____ Ck. No. 8933

Receipt No. _____

Received by: Warren

DO NOT WRITE BELOW THIS LINE

Plans submitted? yes Checked by: Alameda County (GROUP-TYPE AND AREA)

Occupancy Group? _____ Other Occupancies in Building? _____

Floor to be Used? _____ Area to be Used? _____ sq. ft. Previous Occupancy? _____

BUILDING: Height _____ Stories, _____ ft. Type of Construction? _____ Is there a basement? _____

Location-Exterior Wall Openings? _____ Type of Protection _____

Is there 20 sq. ft. of Opening in every 50' on one exterior wall in—Cellar? _____ Basement? _____ Story? _____

Distance from Property Line on North? _____ South? _____ East? _____ West? _____

EXITS: Number? _____ Total Width? _____ How far Apart? _____ Do Exits Lead to Street? _____

Number of Exits from Hazardous Area (over 200 sq. ft.)? _____ Panic Bars? _____

Do Doors Swing Out? _____ Exit Signs? _____ Illuminated? _____

Number of Stairways? _____ Width? _____ Open or Enclosed? _____

Exterior Stairway or Fire Escape? _____ (WHICH) Where Located? _____ Distance from Street? _____

FIRE PROTECTION: Standpipes: Wet? _____ Dry? _____ Sprinklers? _____

Number and Type of Extinguishers? _____

Other Fire Protection? _____

Is Flameproofing Required? _____ Is it Satisfactory? _____

DATE OF INSPECTION. _____

REMARKS: EFD requires submittal of APPROVED Alameda County permit/EFD requires confirmed time of removal(min.48-hr.notice)/EFD personnel must be on-site

prior to removal to verify compliance with all requirements/Additional permit

may be required by Emeryville Bldg. Dept. (596-4310) Signed George Warren FIRE INSPECTOR No _____

File: Ryerson
1465-65th Street

See: 3/1/93

APPENDIX B

MAR 24 1993



Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

SEMCO
Attn: CHUCK KIPER

Project RYERSON STEEL & ALUMINUM
Reported 03/18/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
56156- 1	WEST END 8'6"	03/11/93	03/17/93 Soil
56156- 2	EAST END 9'6"	03/11/93	03/17/93 Soil
56156- 3	COMP SPOILS	03/11/93	03/17/93 Soil
56156- 4	EXCAVATION PIT WATER	03/11/93	03/16/93 Water

RESULTS OF ANALYSIS

Laboratory Number: 56156- 1 56156- 2 56156- 3 56156- 4

Benzene:	ND<0.003	ND<0.003	ND<0.003	ND<0.3
Toluene:	ND<0.003	ND<0.003	0.007	ND<0.3
Ethyl Benzene:	ND<0.003	ND<0.003	ND<0.003	ND<0.3
Xylenes:	ND<0.009	ND<0.009	ND<0.009	ND<0.9
Diesel:	ND<10	ND<10	26	850

Concentration: mg/kg mg/kg mg/kg ug/L



C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2
QA/QC INFORMATION
SET: 56156

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = parts per million (ppm)
ug/L = parts per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Soil: 50mg/kg
Minimum Detection Limit in Water: 5000ug/L

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 10mg/kg
Minimum Quantitation Limit for Diesel in Water: 50ug/L

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg
Minimum Quantitation Limit for Gasoline in Water: 50ug/L

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.003mg/kg
Minimum Quantitation Limit in Water: 0.3ug/L

Table with 4 columns: ANALYTE, MS/MSD RECOVERY, RPD, CONTROL LIMIT. Rows include Benzene, Toluene, Ethyl Benzene, Xylenes, and Diesel.

Richard Srna, Ph.D.

Signature of Richard Srna
Laboratory Director

CHAIN OF CUSTODY AND ANALYSIS REQUEST

LAB NO. 56156

Section I

Consultant Name SEMCO
 Office Location 1741 Leslie Rd. San Mateo, CA 94402
 Fax No. (415) 572-9734
 Project Manager Chuck Kuper
 Phone (415) 572 8033

TURN AROUND TIME
 (Circle One)
 Same Day
 24 Hrs
 48 Hrs
 72 Hrs
5 Day

SUPERIOR ANALYTICAL, INC.
 Martinez San Francisco
 415/229-1512 415/647-2081

Send Coolers to : Modesto San Mateo
 Project No. / P.O. No. Ryerson Steel & Aluminum

Sampler SEMCO - PAT Vigil
 Regulatory Agency Alameda County

Section II		Analysis Request										Section III		Sample Information			
Sample Identification	S=Soil W=Water Matrix	TPH - G & D	TPH - Low Level D	TPH - G	BTXE	OAG	8010	8240	Metals	Others * Subject to Subcontracting			Date	Time	Containers		Sampling Remarks
															Quantity	Pres.	
1 WEST END 8'6"	S		✓		✓								03/11	2:13	1		
2 EAST END 9'6"	S		✓		✓								03/11	2:20	1		
3 COMP. SOILS	S		✓		✓								03/11	9:00 2:05	2		
4 EXCAVATION PIT WATER	W		✓		✓								03/11	11:45	4 VOA'S 4/20 LITERS		Approx 9' depth
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

MAR 24 1993

Relinquished by <u>PAT Vigil</u>	Date/Time <u>3/11/93 7:45</u>	Received by <u>Chuck Kuper</u>	Please Initial <u>ck</u>
Organization <u>SEMCO</u>		Organization <u>SEMCO</u>	Sample Stored in Ice <u>ck</u>
Relinquished by _____	Date/Time _____	Received by _____	Appropriate Containers <u>ck</u>
Organization _____		Organization _____	Sample Preserved <u>ck</u>
Relinquished by _____	Date/Time <u>3/12/93 10:40</u>	Received by <u>[Signature]</u>	VOA's without Headspace <u>ck</u>
Organization _____		Organization <u>Superior</u>	Comments <u>hand delivered</u>

**Superior Precision Analytical, Inc.**

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 279-1512 / fax (510) 279-1526

SEMCO
Attn: Chuck KiperProject 92-1219
Reported 21-June-1993

ANALYSIS FOR SOLUBLE CAM 17 METALSCalifornia Administration Code Title 22, Paragraph 66700 & EPA Methods
SW-846 6010 & 7000 series.

Chronology

Laboratory Number 88925

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
SPOILS PILE	06/11/93	06/14/93	06/14/93	06/17/93		1



Superior Precision Analytical, Inc.

875 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1517 / fax (510) 229-1526

SEMCO
Attn: Chuck Kiper

Project 92-1219
Reported 21-June-1993

ANALYSIS FOR SOLUBLE CAM 17 METALS

Laboratory Number	Sample Identification	Matrix
88925- 1	SPOILS PILE	Soil

RESULTS OF ANALYSIS

Laboratory Number: 88925- 1

Antimony	(Sb) :	ND<1
Arsenic	(As) :	ND<1
Beryllium	(Be) :	ND<0.1
Barium	(Ba) :	0.5
Cadmium	(Cd) :	ND<0.5
Chromium	(Cr) :	ND<0.5
Cobalt	(Co) :	ND<0.5
Copper	(Cu) :	ND<0.5
Lead	(Pb) :	ND<0.5
Mercury	(Hg) :	ND<0.05
Molybdenum	(Mo) :	ND<0.5
Nickel	(Ni) :	ND<0.5
Selenium	(Se) :	ND<1
Silver	(Ag) :	ND<0.5
Thallium	(Tl) :	ND<2
Vanadium	(V) :	ND<0.5
Zinc	(Zn) :	ND<0.5

Concentration: mg/l.



ANALYSIS FOR SOLUBLE CAM 17 METALS
Quality Assurance and Control Data - Extract

Laboratory Number 88925

Compound	Method	Blank (mg/L)	PQL (mg/L)	Average Spike Recovery (%)	Limits (%)	RPD (%)
Antimony	(Sb):	ND<1	1	100%	75-125	3%
Arsenic	(As):	ND<1	1	98%	75-125	4%
Beryllium	(Be):	ND<0.1	0.1	95%	75-125	1%
Barium	(Ba):	ND<0.5	0.5	97%	75-125	3%
Cadmium	(Cd):	ND<0.5	0.5	91%	75-125	2%
Chromium	(Cr):	ND<0.5	0.5	94%	75-125	1%
Cobalt	(Co):	ND<0.5	0.5	97%	75-125	1%
Copper	(Cu):	ND<0.5	0.5	98%	75-125	1%
Lead	(Pb):	ND<0.5	0.5	94%	75-125	1%
Mercury	(Hg):	ND<0.05	0.05	95%	75-125	7%
Molybdenum	(Mo):	ND<0.5	0.5	89%	75-125	2%
Nickel	(Ni):	ND<0.5	0.5	90%	75-125	0%
Selenium	(Se):	ND<1	1	100%	75-125	2%
Silver	(Ag):	ND<0.5	0.5	96%	75-125	2%
Thallium	(Tl):	ND<2	2	93%	75-125	1%
Vanadium	(V):	ND<0.5	0.5	99%	75-125	0%
Zinc	(Zn):	ND<0.5	0.5	98%	75-125	2%

Definitions:

ND = Not Detected
PQL = Practical Quantitation Limit

RPD = Relative Percent Difference

QC File No. 88925

Selamina V. Janguiriz
Senior Analyst

CHAIN OF CUSTODY AND ANALYSIS REQUEST

LAB NO. _____

on 1

Client Name SEMCO
 Site Location 1741 Leese Rd, San Mateo, CA 94402
 Phone No. (415) 572-9734
 Contact Manager Chuck Kiper
 Phone (415) 572 8033

TURN AROUND TIME
 (Circle One)
 Same Day _____
 24 Hrs _____
 48 Hrs _____
 72 Hrs _____
 5 Day 5 Day

SUPERIOR ANALYTICAL, INC.

Martinez San Francisco
415/229-1512 415/647-2081

Coolers to : Modesto San Mateo
 Contract No. / P.O. No. Ryerson Steel 92-1219

Sampler Tina Soenksen - SEMCO
 Regulatory Agency Alameda County Env't. Health

Section II Analysis Request										Section III Sample Information							
Sample Identification	S=Soil A=Air W=Water Matrix	TPH - G & D	TPH - Low Level D	TPH - G	BTXE	OAG	8010	8240	Metals	Others * Subject to Subcontracting	STLC-Wet Cam	Date	Time	Containers		Sampling Remarks	
														Quantity	Pres.	Bioremediation	Contamination
Oil's Pit	S										X	6/10/93	205	1	1		

[Handwritten signature/initials]

Requested by <u>Tina Soenksen</u>	Date/Time <u>6/10/93</u> <u>10:25</u>	Received by <u>Mary Statti</u>	Organization <u>AERD</u>	Placed Initial <u>RS</u>
Requested by _____	Date/Time _____	Received by _____	Organization _____	Sample Stored in Ice <u>700</u>
Requested by <u>M. Statti</u>	Date/Time <u>6/14/93</u> <u>12:40</u>	Received by <u>L. Corlyon</u>	Organization <u>Superior</u>	Appropriate Containers _____
Requested by <u>AERD</u>	_____	_____	_____	Sample Preserved _____
_____	_____	_____	_____	VOA's without Headspace _____
_____	_____	_____	_____	Comments _____

APPENDIX C

WORK ORDER/TIME & MATERIAL RECORD

JOB NAME: Ryerson Steel + Aluminum JOB NO: 92-1219 DATE: 03/11/93
 ADDRESS: 1465 65th Street CONTRACT T&M
 CONTACT: Don Mammuni PHONE NO: (510) 652-2933 x330

WORK TO BE PERFORMED: EXCAVATE & REMOVE DN 10K-DIESEL TANK AND Associated Items

DESCRIPTION OF WORK PERFORMED: DETERMINE TANK DEPTH & CONTENT LEVEL
10'4" DEPTH to Bottom, 3 1/2" Residuals Prod at Diesel, REMOVE CONCRETE OVER TANK & ASPHALT AS NEEDED AND DISPOSE OF, REMOVE PUMP & ISLAND, GUARD POST & ATTACHED LIGHT POLE, REMOVE PIPING, EXCAVATE TANK, Pump Residuals Product 130 GAL + Dry ICE TANK Pull TANK & INSPECT, Load Out & Manifest, SAMPLE PIT WATER, Spills Skidpile & INTERFACE EXCAVATION ENDS, Backfill with Import Rock BECAUSE

MATERIALS USED			EQUIPMENT USED			
Quantity	Description	Vendor	Unit #	Description	Mileage	Hours
#500	Dry Ice	ARIF CRANE	#970/LB1	Tak & Tele		
1	CRANE SERVICE	Ray CRANE	#900/ET14	Dump & Tala		
3 Lds	Rock (DRAW)	TEPPER/AMERICAN ROCK	#14/T14	Tool Pcs		
1 Ld.	BASE ROCK	"	#2-655	Backhoes		
			#4-655	Backhoes		

RAMPAGE TRK COMMUTE

EMPLOYEE NAME:	EQUIPMENT OPERATED	HOURS	LABOR HOURS
Rocky	#655C, 655A	4	6.5
Pat	" "	2	7.25
Shawn	" "	2	7.25

DAILY SAFETY BRIEFING REPORT

Project # 92-1219 : Date 03/11/93 Time 9:00 am
Project Name : Ryerson Steel & Aluminum
Project Location 1465 65th Street, Emeryville
Client/Address : 1465 65th Street, Emeryville
Project Activity Remove 1-10,000 Diesel

SAFETY TOPICS

CHEMICAL HAZARDS-Benzene, Toluene, Xylene, Ethyl Benzene,
Diesel, Petroleum Hydrocarbons

PHYSICAL HAZARDS-Open excavation, debris piles, exposed
pipng, cave-ins, moving equipment, electrical shock

RESPIRATORY PROTECTIVE EQUIPMENT-Half-face respirator with
organic vapor cartridges if necessary

SAFETY/PERSONAL PROTECTIVE EQUIPMENT/CLOTHING (List
specifically for each activity)- Hard hats, steel toe shoes,
safety glasses, uniform shirt, protective gloves

SPECIFIC INSTRUCTIONS-No smoking, eating, drinking, or
chewing within 25' of the excavation, wash hands before doing
any of the above

HOSPITAL/CLINIC Alta Bates PHONE 510 540-0337

HOSPITAL ADDRESS 3001 Colby Street, Berkeley

PARAMEDIC (911) FIRE DEPT. (911) POLICE (911)

EMERGENCY PROCEDURES-Treat minor injuries on site, transport
victim to hospital if necessary

-ATTENDEES-

NAME (Please Print)

NAME (Signature)

STEVEN R WADE

Steven R Wade

Sean Maraviglia

Sean Maraviglia

Pat Vigil

Patricia A Vigil

Meeting Conducted By

Patricia A Vigil

Supervisor

Chuck Kiper

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Division Inspection Form

Site ID# 799 Site Name Pipen Steel Today's Date 3/11/93
 Site Address 1465 65th St EPA ID# _____
 City Emeryville Zip 94606 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
- III. Underground Tanks removal 92808764

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

LA GENERATOR (Title 22)

- | | | |
|-------------------|-----------------------------|---------|
| Manifest | 1. Waste ID | * 66471 |
| | 2. EPA ID | 66472 |
| | 3. > 90 days | 66508 |
| | 4. Label dates | 66508 |
| | 5. Biennial | 66493 |
| | 6. Records | 66492 |
| | 7. Correct | 66484 |
| | 8. Copy sent | 66492 |
| | 9. Exception | 66484 |
| | 10. Copies Rec'd | 66492 |
| Misc. | 11. Treatment | 66371 |
| | 12. On-site Disp. (H.S.&C.) | 26189.5 |
| | 13. Ex Haz. Waste | 66570 |
| Prevention | 14. Communications | 67121 |
| | 15. Aisle Space | 67124 |
| | 16. Local Authority | 67126 |
| | 17. Maintenance | 67120 |
| | 18. Training | 67105 |
| Compliance | 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 |

Comments:

Semed *Crackson*
 on site for removal of 10,000 g
 UST - LEL @ #7 0g 140 at time
 of removal removal approx 1/2 Emeryville
 Oper Dept. (Jerry) inserted both dry
 ice, & readings at progressive, water
 encountered in pit - at 2-8-9 feet
 Tank has no apparent holes - strong odor noted
 upon removal of tank observed stained soil
 at 2-4-5 feet there is a sheen of oil (Heavy
 on the water in the pit - several
 photographs taken of pit area.

* Test for BTEX, TPH, D
 via soil & water

Required actions - at water/soil interface

- 1) Submit unauthorised release URF
- 2) Provide a written report containing
 the analytical results from the samples taken
 (upon removal of tank) to the office within 30
 days
- 3) Provide safety barriers around the
 area of excavation
- 4) Manifest associate piping and dispose
 of as hazardous waste

LB TRANSPORTER (Title 22)

- | | | |
|------------|---------------------------|-------|
| Manifest | 32. Applic./Insurance | 66428 |
| | 33. Comp. Cert./CHP Insp. | 66448 |
| | 34. Containers | 66465 |
| | 35. Vehicles | 66425 |
| | 36. EPA ID #s | 66531 |
| | 37. Correct | 66541 |
| | 38. HW Delivery | 66543 |
| | 39. Records | 66544 |
| Compliance | 40. Name/Covers | 66545 |
| | 41. Recyclables | 66800 |

Sample
 taken @ 8.6 feet

Contact: _____
 Title: X Forman
 Signature: [Signature]

Inspector: Brian Oliva
 Signature: _____

EPA # CA4000005297

JOB # 92-1219

JOB NAME: Ryan Steel & Aluminum

JOB LOCATION: 1465 105th Street

CONTACT: Don Mammino

PHONE # (510) 653-2933 x330

JOB DATE 03/11/93

FINISH DATE _____

TANK SIZES 10,000 Gal Diesel

SAFETY ITEMS ON SITE:

BARRICADES: _____
FENCING: _____
PYLONS: 1/2 Dozen

EXTRA MATERIAL ON JOB:

YES _____
NO _____

AMOUNT _____
FILL _____
PLASTIC _____

IS SITE CONTAMINATED:

IF YES, EXPLAIN HOW HANDLED AND LEFT: _____

YES: WATER MAYBE
NO: ✓

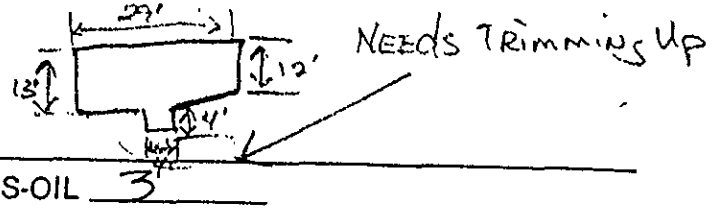
WAS OWNER NOTIFIED:

YES: _____ DATE NOTIFIED: _____
NO: ✓

DOES AREA NEED RECOVERING:

YES: ✓ NO: _____

SIZE OF AREA 13' x 29' + A.C. ✓ / CONC. _____



IS FILL NEEDED:

YES: _____ NO: _____

AMOUNT: _____

DRUMS ON SITE #:

SOLIDS _____ RINSATE _____ GAS-OIL 3

DATE DRUM CONTENTS REMOVED: _____

DATE DRUMS REMOVED: _____

DATE OF RECOVER NOTIFICATION: _____

DATE RECOVERED: _____

DATE REPORTS SENT: _____

IF SITE IS CONTAMINATED, PLACE COPY OF THIS CHECKLIST IN CONTAMINATED SITES FILE.

(INITIALS)

JOB SITE SURVEY - EVALUATION

92-1219

1) UTILITIES

a) Underground

1: Is area marked for USA: YES: _____ NO:

2: Are utilities marked: YES: _____ NO:

b) Utilities overhead

1: Are any present: YES: _____ NO:

2: Will ay affect work: YES: _____ NO:

3: If any- define: _____

2) TRAFFIC PATTERN

a) Excavated soils impact: YES: _____ NO:

1: If yes, is alternate area available, if so, describe: _____

b) Imported Backfill impact: YES: _____ NO:

1: If yes describe alternate area available: _____

3) TRUCK ACCESS

a) 10 wheel dump:

b) 18 wheel dump:

c) Transfer Dump:

4) RAINY WEATHER CONDITION

a) Are downspouts, gutters, etc., in area of excavation
 YES: _____ NO:
 If yes, describe method of diversion: _____

b) Gutter, curblin intrusion: YES: _____ NO:
 If yes, describe method of diversion: _____

c) Surface runoff or sheetflow: YES: NO: _____
 If yes, describe method of diversion: Buam

5) IF CONTAMINATION IS PRESENT, DETERMINE GROUNDWATER DEPTH:

a) Any nearby creeks, canals or sloughs: YES: _____ NO:
 If yes, describe where in relation to work and approximate depth to H20: _____

b) Ground water monitoring wells on neighboring properties:
 YES: _____ NO:
 If yes, what is the street address and facility name: _____

c) Is there a private well on subject property: YES _____ NO
 If yes, give exact location of well: _____

6) SOIL CONSISTENCY

a) Clayey: YES NO _____ NATIVE FILL

b) Sand: YES NO _____ BACK FILL AROUND TANK

c) Silty sand: YES _____ NO _____

d) Bay mud: YES NO _____

e) Rocky: YES _____ NO _____

f) Describe any or other soil conditions: MISC. Soil Types look like fine blue clay, heavy tan deposit soil

TANK REMOVAL
DATA SHEET

DATE: 03/11/93 JOB# 92-1219

PROJECT MANAGER: CHUCK KIPER

SITE ADDRESS: 1465 65th St. (OFF HOLLIS) X ST.

SITE OWNER: RYERSON STEEL & ALUMINUM

ADDRESS: (SAME)

PHONE: (510) 653-2933 EXT 330

TANK(S) SIZE/CONTENTS: 1-10K-D

CONDITION OF TANK(S):
HOLES: YES _____ NO

SIZE OF HOLES _____

CONDITION OF PIPING:
HOLES: YES _____ NO

SIZE OF HOLES _____

SOIL DISCOLORATION: YES _____ NO YES But Not From Tank Per

SOIL ODOR: YES _____ NO

OVEREXCAVATION: YES _____ NO

CUBIC YARDAGE:
GROUNDWATER ENCOUNTERED: YES NO _____ Slight Sheen

DEPTH TO GROUNDWATER: 9' DEPTH OF EXCAVATION: FROM ASPHALT WRAPPING

12/30 DIMENSIONS OF EXCAVATION: 92808764 Approx 11' ON TANK

TANK MANIFEST # 92808764

LIQUID MANIFEST # NONE YET

SAMPLES ANALYZED FOR:
TPH-D-BTEX

ADDITIONAL COMMENTS:

SEMCO

WORK ORDER/TIME & MATERIAL RECORD

JOB NAME: Pejerson Steel & Aluminum JOB NO: 92-1219 DATE: 6-25-93
 ADDRESS: 1465 65th St. Emeryville CONTRACT ? T&M ?
 CONTACT: _____ PHONE NO: _____

WORK TO BE PERFORMED: 6 cones & 1 de-linicator left on site

DESCRIPTION OF WORK PERFORMED: Cleaned garbage from excavation. Compacted the open excavation with base rock to a 2' ready for A/C. Loaded out 2 embumps with contaminated dirt. Sweep up surrounding work area & final graded excavation. Size of hole: 12'x29' + 4'x5'-island area.

MATERIALS USED			EQUIPMENT USED			
Quantity	Description	Vendor	Unit #	Description	Mileage	Hours
2 loads	dirt export	BFI	12	P.U.		
2 loads	base rock - import		2 1/2	TRUCK		

EMPLOYEE NAME:	EQUIPMENT OPERATED	HOURS	LABOR HOURS
James 8am - 1pm	#3-655A		
Brady 11 - 11			

APPENDIX D

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1100000005297		Manifest Document No. 98612		2. Page 1 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address RYERSON STEEL & ALUMINUM 1460 65TH STREET EMERYVILLE, CA 94608				A. State Manifest Document Number 92698612		B. State Generator ID CA1100000005297					
4. Generator's Phone (510) 653-2933		5. Transporter 1 Company Name Allied Petroleum		6. US EPA ID Number 040083100728		D. Transporter Phone (209) 576-8500					
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Transporter ID					
9. Designated Facility Name and Site Address Refineries Service 15531 N HWY 33 Patterson CA 95363				10. US EPA ID Number 040083100728		F. Facility ID CA0083100728		G. Facility Phone (800) 874-4444			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. NON RCRA HAZARDOUS WASTE LIQUID NOS NA 9189			12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number		
			00 1 T 002		35		G		73		
											EPA/Other
											State
											EPA/Other
J. Additional Description for Materials Listed Above				K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information Use Appropriate Protective Gear Designated Facility Emergency Contact # (800) 874-4444 Generator Emergency Contact # (510) 653-2933											
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 BEN MAMMINI			Signature Ben Mammini			Month 03		Day 19		Year 93	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Colin Kelley			Signature Colin Kelley			Month 03		Day 19		Year 93	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature			Month		Day		Year	
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 GLENN SHIPNAR											
Signature Glenn Shipnar			Month 03		Day 19		Year 93				

DO NOT WRITE BELOW THIS LINE.

80943

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

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA4000005787A	Manifest Document No. 1106913	2. Page 1 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Ryerson Steel & Aluminum 1465 65th Street Emeryville, CA 94608		4. Generator's Phone (510) 653-2933x330			
5. Transporter 1 Company Name RICH HAMILTON TRUCKING		6. US EPA ID Number CAAD982471591		7. Transporter 2 Company Name (209) 572-4208	
9. Designated Facility Name and Site Address ERICKSON, INC. 255 PARR BLVD RICHMOND, CA 94801		10. US EPA ID Number CAAD009466392			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	
a. WASTE EMPTY STORAGE TANK NON-RCRA HAZARDOUS WASTE SOLID.		0101 T P	1000	P	
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information KEEP AWAY FROM SOURCES OF IGNITION. ALWAYS WEAR HARDHATS WHEN WORKING AROUND U.S.T.'s 24 HOUR CONTACT NAME Don Mammini & PHONE (510)653-2933x330					
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 DON MAMMINI		Signature <i>Don Mammini</i>		Month Day Year 03 11 1993	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name STEVEN R. WADE		Signature <i>Steven Wade</i>		Month Day Year 03 11 1993	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
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 DAVID SATO					
		Signature <i>David Sato</i>		Month Day Year 03 11 1993	

DO NOT WRITE BELOW THIS LINE.