

Report on

**TANK REMOVAL ACTIVITIES
AND WORK PLAN FOR A
PRELIMINARY GROUNDWATER INVESTIGATION
2678 Coolidge Avenue
Oakland, California**

Prepared for:

**Snow Cleaners, Inc.
Oakland, California**

August 1990

Prepared by:

**C.M. CHAMBERS AND ASSOCIATES
1507 Tulip Circle
Auburn, California 95603**

21 August 1990

Harold Turner
Snow Cleaners
2678 Coolidge Avenue
Oakland, California 94603

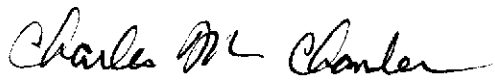
Subject: Report on Tank Removal Activities and Work Plan for a Preliminary Groundwater Investigation, 2678 Coolidge Avenue, Oakland California.

Dear Mr. Turner:

Enclosed please find three copies of the report cited above. The report contains documentation of tank removal activities, results of soil sampling at the 2678 Coolidge Avenue site, and recommendations that summarize a proposed preliminary groundwater investigation at the site. Copies of the report should be submitted to the Alameda County Health Care Services, Department of Environmental Health, Hazardous Materials Program and the Regional Water Quality Control Board, San Francisco Bay Region.

Should you have any questions or concerns, please call.

Sincerely,



Charles Chambers
President



Robert Joslin
Reg. Engineer #37716

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INTRODUCTION

C.M. Chambers and Assoc. was retained by Harold Turner of Snow Cleaners, Inc. to conduct soil sampling, supervise soil excavation activities, and prepare a work plan for a preliminary groundwater investigation after removal of six underground tanks located on the Davis Street side of their property at 2678 Coolidge Avenue in Oakland.(Figure 1). This documents activities conducted at the site during and after tank removal and provides recommendations for a preliminary groundwater investigation. The results of the groundwater investigation will provide the basis for conclusions regarding the subsurface quality at the site and, depending on the findings, additional work may be recommended to delineate potential subsurface contamination.

BACKGROUND

The property is occupied by a dry cleaning plant that specialized in the care and cleaning of leather products since 1907. The lot is 95% covered with buildings and covered driveways. The property was purchased by Harold Turner in the 1970's, and he continued the dry cleaning operation then in use. Six underground tanks were located on the south side of the property under the sidewalk (figure 2,3). Three of the tanks had been abandoned and covered with concrete sometime prior to the purchase of the property by Mr. Turner. These tanks were uncovered just prior to the planned removal of the three additional that were currently in use. The age of the tanks are undetermined at this time, but estimated to be 30 plus years.

FIELD ACTIVITES

Prior to excavation of soil soil samples were taken in the area of the tank field and at various locations at the site to determine if contamination exists and the possible source of any contamination (Figure 4). The results of this preliminary investigation are found in Appendix A.

All soil samples were collected by stainless steel soil recovery auger with 3 inch stainless steel sleeves. The sleeves and auger were cleaned with a TSP



EAST GUARD
ISLAND
COAST GUARD
ALAMOSA MARINE

San Leandro

Bay
SAN LEANDRO BAY
REGIONAL SHORELINE

Channel
ARROWHEAD MARINE SERVICE CENTER

Airport

SPORTS AREA
STATION

MILL COLLEGE

LEONA HERBERT PARK

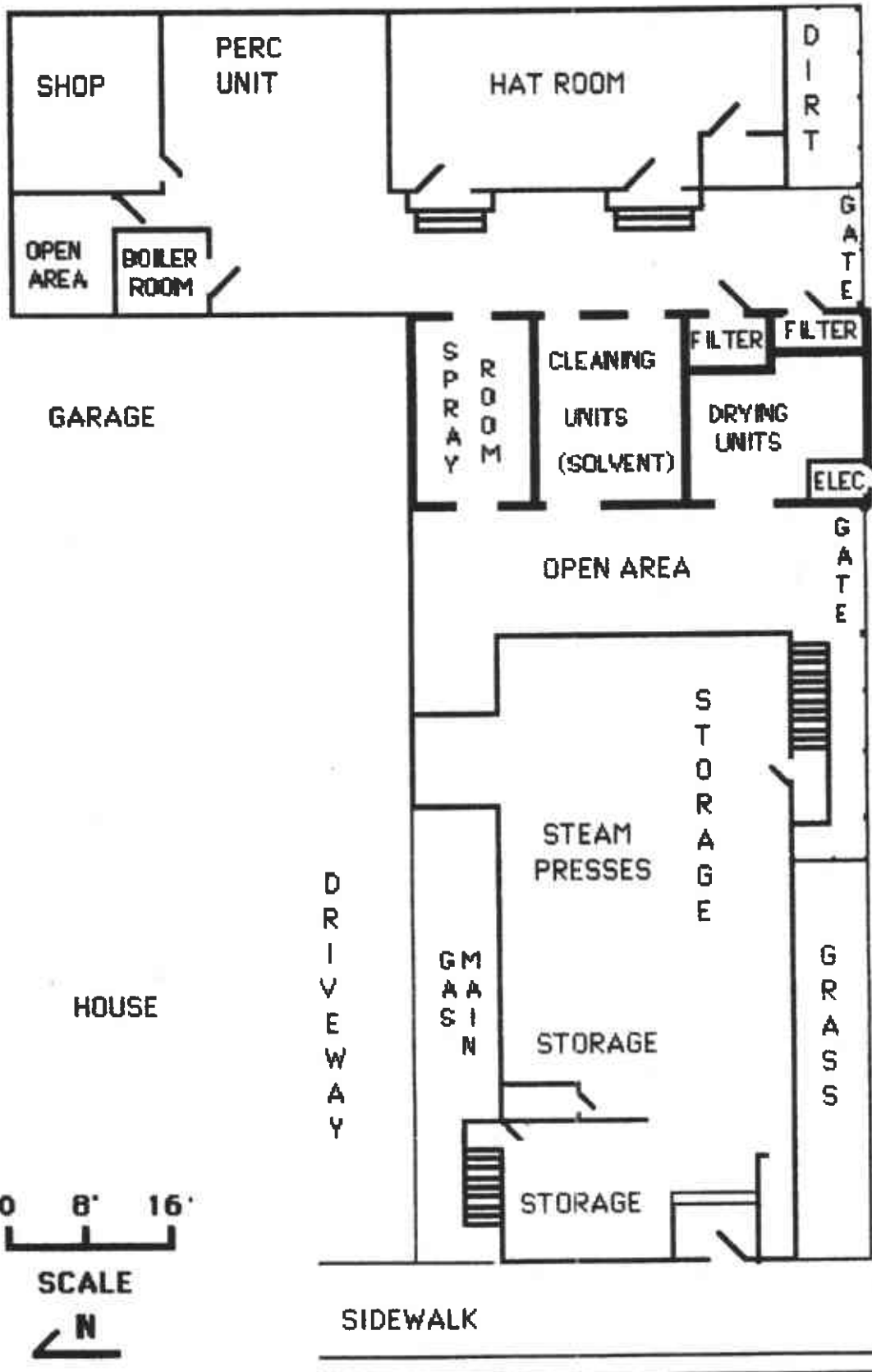
SNOW CLEANERS
2678 COOLIDGE AVE.
OAKLAND CA. 94601

APARTMENT
DRIVEWAY

S I D E W A L K

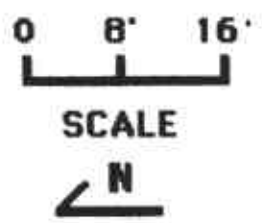
C U R B

UNDERGROUND
TANKS



- 6
- 5
- 4
- 3
- 2
- 1

D A V I S
S T R E E T



COOLIDGE AVENUE

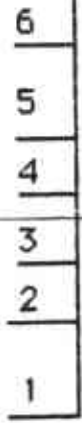
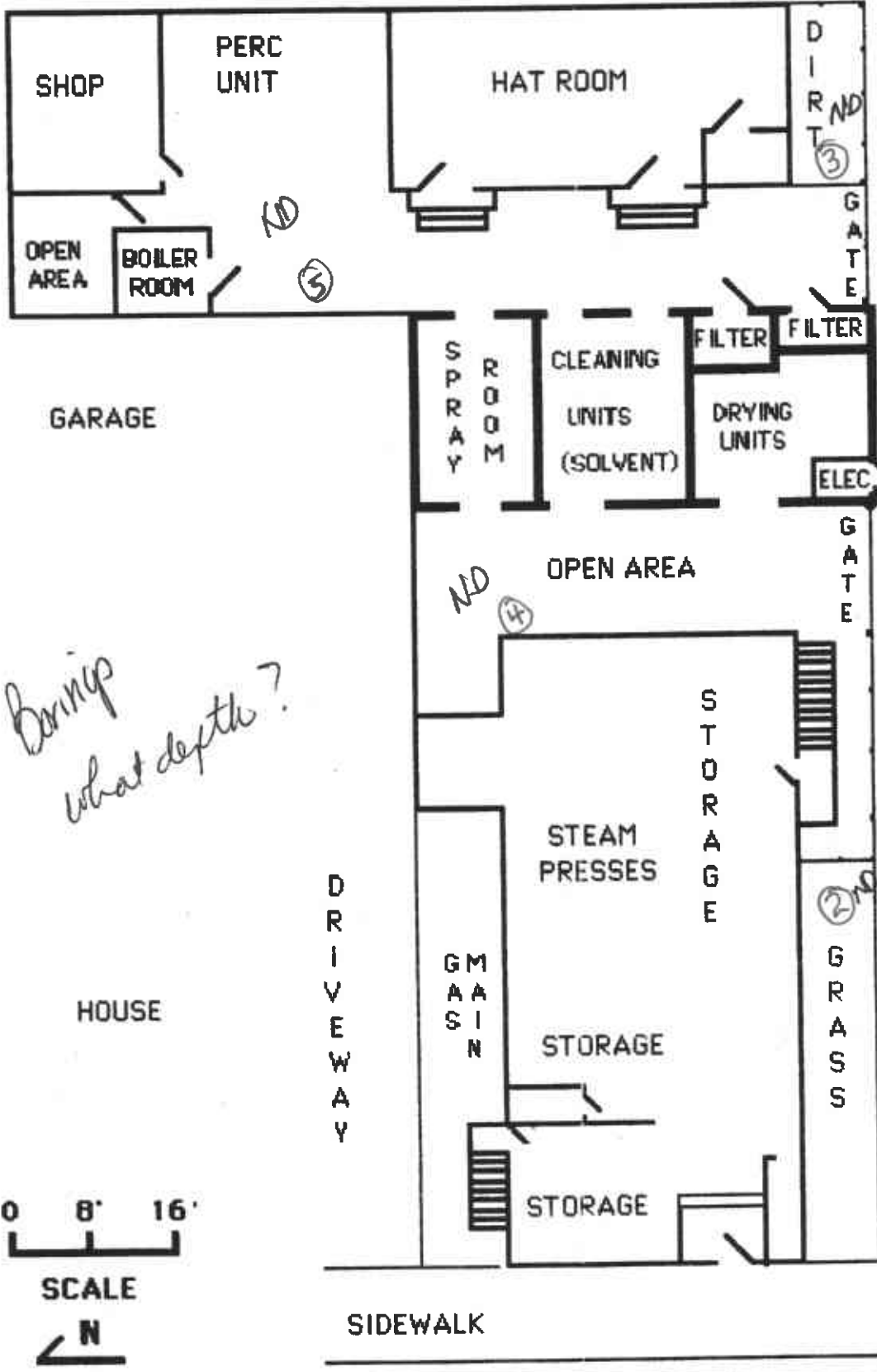
SNOW CLEANERS
2678 COOLIDGE AVE.
OAKLAND CA. 94601

APARTMENT
DRIVEWAY

SIDEWALK

CURB

UNDERGROUND
B₂ TANKS

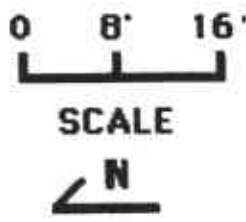


Paint things etc

B-1

Bring what depth?

DAVIS STREET



COOLIDGE AVENUE

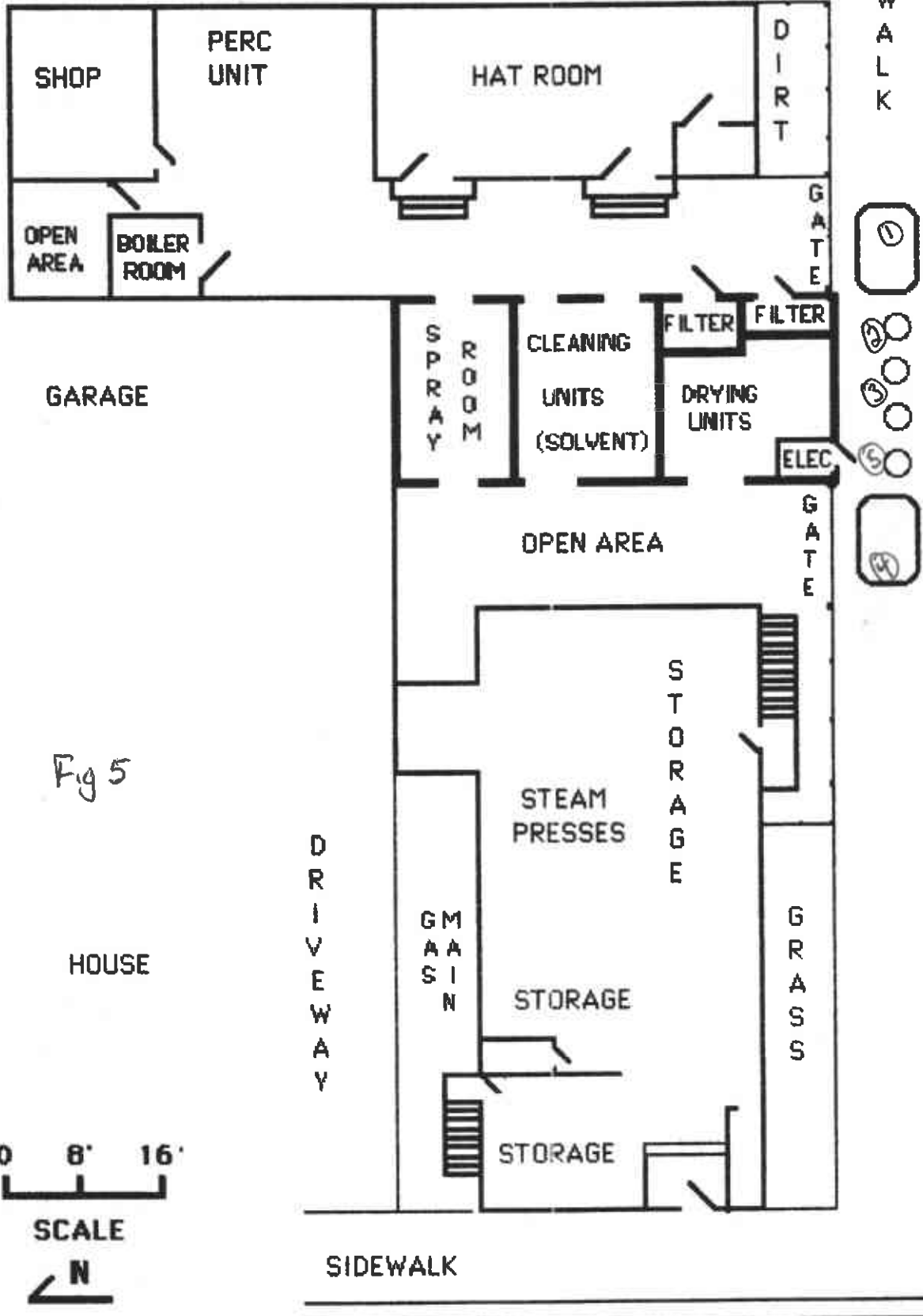
SNOW CLEANERS
2678 COOLIDGE AVE.
OAKLAND CA. 94601

APARTMENT
DRIVEWAY

SIDEWALK

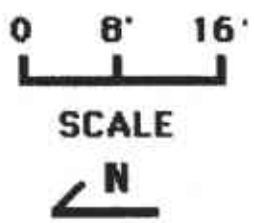
CURB

UNDERGROUND
TANKS



6
5
4
3
2
1

Fig 5



DAVIS STREET

COOLIDGE AVENUE

solution between samples. Samples were placed in glass containers supplied by Eureka Laboratory for the purpose of soil sample collection. The samples were refrigerated and transported to the laboratory for analysis under chain of custody.

On the week of 2 August to 6 August 1990, Dig It - General Engineering of Bethel Island removed the tanks and associated piping. Prior to initiating field activities, permits were obtained from the Alameda County Health Care Services Agency, Department of Environmental Health, Hazardous Materials Program, the City of Oakland, Streets and Sidewalks Department, and the Oakland Fire Department; tank removal permits are included as Appendix B. Tank removal and soil sampling activities were observed by Barney Chan and Cynthia Chapman of Alameda County Health, and ~~Phil Collins~~ of the Oakland Fire Department.

Gery

Prior to tank removal the tanks were vacuumed and the product was disposed of by Recycletron Oil, Inc, dba Refiners Service, of Patterson, California (EPA # CAD083166728). During tank removal, holes in the bottom of two tanks and hydrocarbon odors and soil discoloration were observed. The steel tanks were transported and disposed of by Erickson Co. of Richmond, California; a copy of the Uniform Hazardous Waste Manifest and a copy of the Certificate of Disposal is included in Appendix C.

request manifest

After removal of the tanks, five soil samples were collected by C.M. Chambers and submitted to Eureka Laboratory of Sacramento. All samples were collected below the former tank invert in the native clay soil at depths of eight feet to twelve feet dependent upon the depth of the tank. The results of these soil samples is found in Appendix A. The locations given in figure 5. Soil samples were collected from the the backhoe bucket and treated as described above.

Additional soil was excavated under the tank location to the extent possible given the close proximity of the street and buildings. The excavation was continued to remove discolored soils and soils that yielded a head space concentration greater than 100 ppm using a combustible gas indicator.

~~As a result of the excavation, contaminated soil was removed from the site. The final dimensions of the excavation were approximately 9 feet by 40 by 15 feet deep.~~

~~Contaminated soils were removed to 2714 100th Street, Oakland California,~~ were they were placed on plastic and covered with plastic to prevent the flow of runoff into or away from the piles.

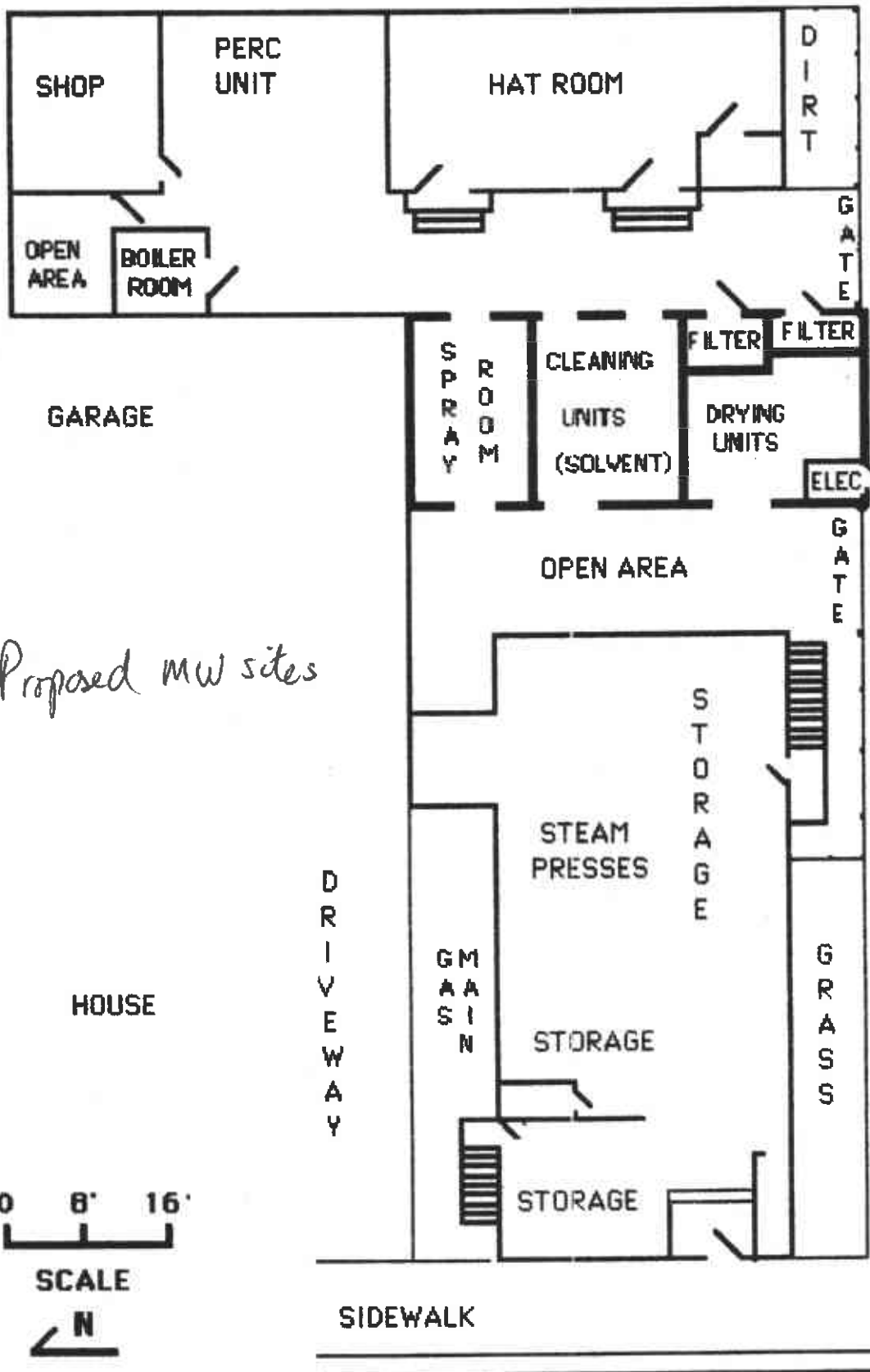
a final analytical results must be performed

How many sples / 190 yds. ?

current status of ?
Contaminated soils

SNOW CLEANERS
2678 COOLIDGE AVE.
OAKLAND CA. 94601

APARTMENT
DRIVEWAY



SIDEWALK

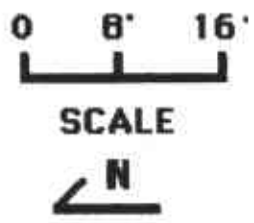
CURB

UNDERGROUND TANKS

- 6
- 5
- 4
- 3
- 2
- 1

DAVIS STREET

COOLIDGE AVENUE



Proposed MW sites

After completion of the sampling activities, Dig It backfilled the excavation with 3/4 inch crushed rock and placed the backfill material in six inch lifts and compacted the material in accordance with instructions from the City of Oakland sidewalk inspector(90%).

RESULTS

Analytical results from the field testing indicate the presence of petroleum hydrocarbons at the site. No evidence of BTX &E gasoline was present. The only surprise was the presence of diesel. The source of the diesel is unknown; perhaps one of the long abandoned tanks had been diesel at one time.

The laboratory reports and chain of custody forms are included in Appendix A.

REGIONAL HYDROGEOLOGY

The project site, which slopes to the south toward the San Francisco Bay (Inland Harbor / San Leandro Bay), is underlain by a heterogeneous sequence of igneous, metamorphic, and sedimentary rocks ranging in age from Jurassic to Quaternary. The Basement is composed of the Franciscan formation, a complex assemblage of Jurassic aged metamorphic and sedimentary rocks. The Quaternary is represented by bay mud and various alluvial deposits.

The project site is underlain by approximately 50 feet of Quaternary alluvial deposits consisting of clay, silt, sand, and gravel. Based upon data collected locally in nearby boreholes, it is expected the the depth to groundwater at the site would be greater than 50 feet. Due to low groundwater levels and the consolidated nature of the sediments, liquefaction potential is "low" in the vicinity of the project site.

*need specific
site + gw
depths.*

CONCLUSIONS

1. An unauthorized release of hydrocarbons has occurred in the vicinity of the underground storage tank formerly located on

the property. Evidence of the release includes holes in the tank, petroleum odor, soil discoloration observed during excavation, and the identification of hydrocarbons in the soil samples collected and submitted for analytical testing.

2. Most of the on-site soils affected by the hydrocarbon release were removed through excavation to the extent possible. The degree of residual contamination in the unsaturated zone is low and would pose little threat of continued release to the subsurface groundwater.
3. Although the extent of soils affected by the hydrocarbon release appears limited, it is not known if the groundwater underlying the site has been affected. Investigation of potential groundwater contamination at the site would be necessary to comply with RWQCB requirements.

RECOMMENDATIONS

1. No further action should be directed to removing or treating soils in the unsaturated zone at the former tank location. Residual hydrocarbon levels are not likely to act as a source of significant, continued release to the groundwater. If construction, including excavation, is proposed or planned in the area of the former tank location, a site safety plan should be developed to protect workers against potential exposure to soils containing hydrocarbons. Any identified soils should be managed according to applicable regulations.]? how so
2. Perform a preliminary groundwater investigation according to RWQCB requirements (see Recommended Work Plan below).

RECOMMENDED WORK PLAN FOR A PRELIMINARY GROUNDWATER INVESTIGATION

The recommended work plan has been prepared in accordance with the guidelines contained in the Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks (revised 18 May 1989).

1. It is recommended that three monitoring wells be installed at the site in the locations shown of figure 6. The purpose of the well closest to the former tank location would be to provide a monitoring point at a presumed downgradient position. If groundwater is not encountered at a level that satisfies the minimum requirements set forth in the LUFT Field Manual (revised Oct 18, 1990) allowing for the estimating the concentrations of TPH and BTX&E that can be left in place without threatening ground water (see LUFT Manual worksheet pg. 29 on following page). The remaining two wells would serve to define the local groundwater gradient beneath the site if encountered, or to detect lateral contamination. It is possible that the verified gradient may be such that the closest well is not in a downgradient position. In this case, an additional well may be required.
2. The wells would be constructed with 2-inch PVC casing. The well screen slot size would be 0.010 inch due to the fine-grained nature of some subsurface materials identified in the tank excavation. A typical well construction diagram is shown in Figure 7. The depth of the screened intervals in the wells would depend on field conditions.

Soil samples would be collected in the unsaturated zone at minimum intervals of five feet. Additional samples would be collected if major changes in lithology were encountered or air monitoring of soil cuttings indicated the presence of hydrocarbons. Samples would be collected with a California-modified sampler fitted on hollow-stem augers. Soil sampling methods are described above. The sand filter, bentonite seal, and cement grout would be tremied into the drill hole through the hollow-stem augers.

All augers and sampling equipment would be decontaminated by steam cleaning prior to mobilization onto the site and between each monitoring well location. All sampling equipment would be decontaminated with TSP and deionized water between each sampling event. All drill cuttings would be stored on-site in labeled, secured, 55-gallon drums until analytical results from the soil samples have been received, at which time disposal options would be determined.

→ + analyzed

Table 2-1
Leaching Potential Analysis for Gasoline and Diesel
Using Total Petroleum Hydrocarbons (TPH)
and Benzene, Toluene, Xylene and Ethylbenzene (BTX&E)

The following table was designed to permit estimating the concentrations of TPH and BTX&E that can be left in place without threatening ground water. Three levels of TPH and BTX&E concentrations were derived (from modeling) for sites which fall into categories of low, medium or high leaching potential. To use the table, find the appropriate description for each of the features. Score each feature using the weighting system shown at the top of each column. Sum the points for each column and total them. Match the total points to the allowable BTX&E and TPH levels.

SITE FEATURE	S	SCORE	S	SCORE	S	SCORE
	C	10 PTS	C	9 PTS	C	5 PTS
	O	IF CON-	O	IF CON-	O	IF CON-
	R	DITION	R	DITION	R	DITION
	E	IS MET	E	IS MET	E	IS MET
Minimum Depth to Ground Water from the Soil Sample (feet)		>100		51-100		25-50\1
Fractures in subsurface (applies to foothills or mountain areas)		None		Unknown		Present
Average Annual Precipitation (inches)		<10		10-25		26-40\2
Man-made conduits which increase vertical migration of leachate		None		Unknown		Present
Unique site features: recharge area, coarse soil, nearby wells, etc		None		At least one		More than one
COLUMN TOTALS→TOTAL PTS		+		+		=
RANGE OF TOTAL POINTS		49pts or more		41 - 48 pts		40pts or less
MAXIMUM ALLOWABLE B/T/X/E LEVELS (PPM)		1/50/50/50		.3/.3/1/1		NA\3
MAXIMUM ALLOWABLE TPH LEVELS (PPM)	GASOLINE	1000		100		10
	DIESEL	10000		1000		100

- \1 If depth is greater than 5 ft. and less than 25 ft., score 0 points.
If depth is 5 ft. or less, this table should not be used.
- \2 If precipitation is over 40 inches, score 0 points.
- \3 Levels for BTX&E are not applicable at a TPH concentration of 10ppm (gasoline) or 100ppm (diesel) (For explanation see step 6, page 27.)

Soil samples collected in the unsaturated zone during well bore drilling would be analyzed for TPH as gasoline (EPA Method 8015). The water samples would be analyzed for TPH as gasoline (EPA Method 8015) and volatile organics (EPA Method 602). For quality control, one duplicate water sample would also be submitted for analysis. Groundwater samples would also be examined for sheen, odor, and floating product. If floating product were observed in the wells, the thickness would be measured using a dual-interface probe. All soil and water samples would be submitted under chain-of-custody to a California-certified laboratory for analysis.

All work associated with well installation would be supervised by a geotechnical engineer registered in the state of California. A log of the well would be submitted to the California Department of Water Resources for its files.

3. After completion of the wells and sampling, a report would be submitted to the County Health Department and the RWQCB delineating the methods used and the results of the well installation and sampling. The report would include recommendations for additional, or future monitoring activities.
4. A site safety plan, already in place would be extended to include the protection of workers involved in the drilling, well installation, and sampling activities.

LIMITATIONS

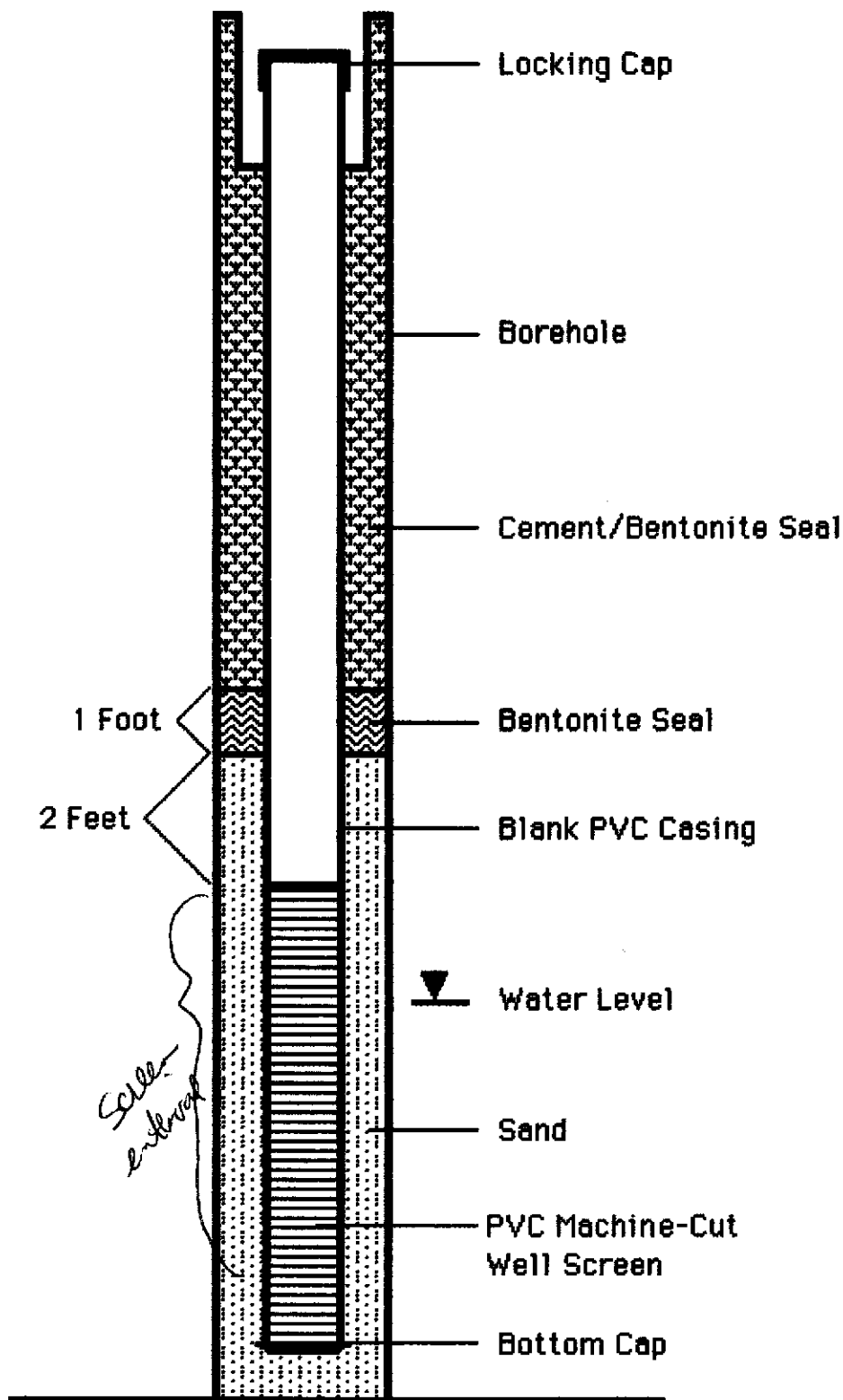
The conclusions presented in this report are professional opinions based on the indicated data described in this report. They are intended only for the purpose, site, and project indicated. Opinions and recommendations presented herein apply to site conditions existing at the time of our study. Changes in the conditions of the subject property can occur with time, because of natural processes or the works of man, on the subject property or on adjacent properties. Changes in applicable standards can also occur as the result of legislation or from the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond our control.



C.M. CHAMBERS AND ASSOCIATES

HAZMAT SPECIALISTS / T.E.A.M. CONCEPTS

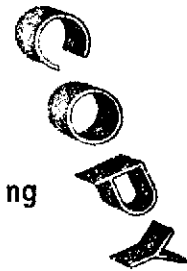
MONITORING WELL CONSTRUCTION DETAILS UNDERGROUND TANK INVESTIGATIONS



APPENDIX A

**LABORATORY REPORTS
AND
CHAIN OF CUSTODY**

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)



EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-247
Hazardous Waste Testing
Certification: E765

CLIENT: CHAMBERS
PROJECT: SNOW CLEANERS
SAMPLE ID: BLANK

DATE RECEIVED: 07/30/1990
DATE EXTRACTED: 08/03/1990
DATE COMPLETED: 08/10/1990

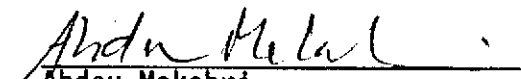
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Paint Thinner	<5	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Paint Thinner -
Gasoline Range -
Diesel Range -
Motor Oil Range -

PEAK CARBON NO

Paint Thinner -
Gasoline Range -
Diesel Range -
Motor Oil Range -


Abdou Mekebri
Chemist

August 10, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-247
Hazardous Waste Testing
Certification: E765

CLIENT: CHAMBERS
PROJECT: SNOW CLEANERS
SAMPLE ID: 7-90-1
SAMPLE LOCATION: SNOW

DATE RECEIVED: 07/30/1990
DATE EXTRACTED: 08/03/1990
DATE COMPLETED: 08/10/1990
DATE SAMPLED: 07/02/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Paint Thinner	50	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	172 ←	25
Total Petroleum Hydrocarbons	222	-

What's Motor Oil Range Oil & Grease?

CARBON NO. RANGE

Paint Thinner	C9-C12	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	C18-C30	-

PEAK CARBON NO

Paint Thinner	C10	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	C24	-

Abdou Mekebri
Abdou Mekebri
Chemist

August 10, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-247
Hazardous Waste Testing
Certification: E765

CLIENT: CHAMBERS
PROJECT: SNOW CLEANERS
SAMPLE ID: 7-90-2 *
SAMPLE LOCATION: SNOW

DATE RECEIVED: 07/30/1990
DATE EXTRACTED: 08/03/1990
DATE COMPLETED: 08/10/1990
DATE SAMPLED: 07/02/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Paint Thinner	179	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	136	25
Total Petroleum Hydrocarbons	315	-

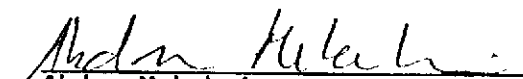
CARBON NO. RANGE

Paint Thinner	C9-C12	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	C16-C24	-

PEAK CARBON NO

Paint Thinner	C10	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	C19	-

* Hydrocarbons in the diesel range, with a motor oil pattern, are detected in this sample.


Abdou Mekebri
Chemist

August 10, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-247
Hazardous Waste Testing
Certification: E765

CLIENT: CHAMBERS
PROJECT: SNOW CLEANERS
SAMPLE ID: 7-90-3 *
SAMPLE LOCATION: SNOW

DATE RECEIVED: 07/30/1990
DATE EXTRACTED: 08/03/1990
DATE COMPLETED: 08/10/1990
DATE SAMPLED: 07/02/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Paint Thinner	229	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	221	25
Total Petroleum Hydrocarbons	450	-


CARBON NO. RANGE

Paint Thinner	C9-C12	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	C13-C24	-

PEAK CARBON NO

Paint Thinner	C10	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	C18	-

* Hydrocarbons in the diesel range, with a motor oil pattern, are detected in this sample.


Abdou Mekebri
Chemist

August 10, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-247
Hazardous Waste Testing
Certification: E765

CLIENT: CHAMBERS
PROJECT: SNOW CLEANERS
SAMPLE ID: 7-90-4
SAMPLE LOCATION: SNOW

DATE RECEIVED: 07/30/1990
DATE EXTRACTED: 08/03/1990
DATE COMPLETED: 08/10/1990
DATE SAMPLED: 07/03/1990

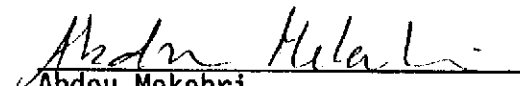
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Paint Thinner	<5	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

August 10, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-247
Hazardous Waste Testing
Certification: E765

CLIENT: CHAMBERS
PROJECT: SNOW CLEANERS
SAMPLE ID: 7-90-5
SAMPLE LOCATION: SNOW

DATE RECEIVED: 07/30/1990
DATE EXTRACTED: 08/03/1990
DATE COMPLETED: 08/10/1990
DATE SAMPLED: 07/03/1990

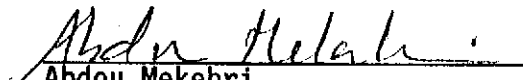
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Paint Thinner	<5	5
Gasoline Range	<5	5
Diesel Range	673	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	673	-

CARBON NO. RANGE

Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	C12-C18	-
Motor Oil Range	-	-

PEAK CARBON NO

Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	C16	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

August 10, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-247
Hazardous Waste Testing
Certification: E765

CLIENT: CHAMBERS
PROJECT: SNOW CLEANERS
SAMPLE ID: 7-90-4 MATRIX SPIKE RECOVERY

DATE RECEIVED: 07/30/1990
DATE EXTRACTED: 08/03/1990
DATE COMPLETED: 08/10/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

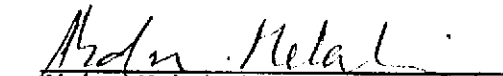
Gasoline Range	101%
Diesel Range	-
Motor Oil Range	85%
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-


Abdou Mekebri
Chemist

August 10, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-247
Hazardous Waste Testing
Certification: E765

CLIENT: CHAMBERS	DATE RECEIVED: 07/30/1990
PROJECT: SNOW CLEANERS	DATE EXTRACTED: 08/03/1990
SAMPLE ID: 7-90-4 MATRIX SPIKE RECOVERY DUPLICATE	DATE COMPLETED: 08/10/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY


Gasoline Range	97%
Diesel Range	-
Motor Oil Range	90%
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-


Abdou Mekebi
Chemist

August 10, 1990
Date



EUREKA LABORATORIES, INC.

6790 FLORIN PERKINS ROAD
 SACRAMENTO, CA 95828
 TEL: (916) 381-7953
 LAB: (916) 381-9357
 FAX: (916) 381-4013

CLIENT: SNOW CLEANERS
 CONTACT: MIKE CHAMBERS
 TELEPHONE: 916 389 2509

PROJECT REF. #		ELI ORDER #		PROJECT NAME		ANALYSIS REQUIRED		COMMENTS					
				SNOW CLEANERS									
SAMPLERS (Signature) <i>C. Chambers</i>													
CLIENT SAMPLE ID	SAMPLE LOCATION	COMP.	GRAB	DATE/TIME	CONTAINER TYPE	<div style="border: 1px solid black; padding: 5px;"> Paul ✓ 1863 6600.0 2015 17 TH 2015 2015 2015 2015 </div>				TYPE OF PRESERVATIVE USED	CONTAINER CONDITION		
7-90-1	Snow			2-2-90	GLASS					✓			
7-90-2	"			2-2-90	"					✓			
7-90-3	"			2-2-90	"					✓			
7-90-4	"			2-3-90	"					✓			
7-90-5	"			2-3-90	"					✓			
RELINQUISHED BY: (Signature) <i>C. Chambers</i>		DATE/TIME 2-25		RECEIVED BY: (Signature) <i>[Signature]</i>		RECEIVED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)			
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		RECEIVED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)			
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED FOR LABORATORY BY: (Signature) <i>Pat Gopen</i>				DATE/TIME 2/25/90 2:25					

APPENDIX B

UNDERGROUND TANK REMOVAL PERMITS

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 HAZARDOUS MATERIALS DIVISION
 80 SWAN WAY, ROOM 200
 OAKLAND, CA 94621
 PHONE NO. 415/271-4320

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH
 2701 SERRA TOWN CENTER
 OAKLAND, CA 94612
 TELEPHONE: (415) 674-7337

These plans have been reviewed and approved by the Health Officer and the Environmental Health Officer. The Health Officer's approval is based on the information provided in the application and the plans. The Environmental Health Officer's approval is based on the information provided in the application and the plans. The Department of Environmental Health is not responsible for the accuracy of the information provided in the application and the plans. The Department of Environmental Health is not responsible for the accuracy of the information provided in the application and the plans.

OK, Blk
6/25/90

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name Snow Cleaners
 Business Owner Harold Turner
2. Site Address 2678 Coolidge Ave.
 City Oakland Zip 94601 Phone 532-4500
3. Mailing Address 2678 Coolidge Ave.
 City Oakland Zip 94601 Phone 532-4500
4. Land Owner Harold Turner
 Address 2678 Coolidge City, State Oakland, Ca Zip 94601
5. EPA I.D. No. CAD 053044053
6. Contractor Dig It General Engineering
 Address P.O. Box 749
 City Bethel Island Phone (415) 684-3794
 License Type Class A ID# 495007
7. Consultant Charles M. Chambers and Associates
 Address 1507 Tulip Circle
 City Auburn Phone (916) 888-4002

528937
 1287-
 6/25/90

CITY OF OAKLAND
REPORT OF FIRE INSPECTION

ENGINE CO.

ADDRESS _____

NAME ~~CM Chambers~~ CM Chambers

GENERAL INSPECTION

PERMIT
OTHER

HAZARD NOTED

HAZARD ABATED

NOTICE LEFT LETTER

1st NOTICE

2nd NOTICE

FINAL

DATE	VIOLATION	O.F.C.	CONTACTED
	Witnessed Removal of tank # 3900, 1800 gal		Memo sent # 106249
	# 3897, 1000 gal ; # 3898, 200 gal		
	# 3901, 800 gal ; 3902, 100 gal		
	3899, 150 gal ; LEL and O ₂ below 10%		

A REINSPECTION WILL BE MADE WITHIN _____ DAYS.

FIRE PREVENTION BUREAU PHONE 273-3851

INSPECTOR *G. Arthur*

2011
 Man Altra
 CITY OF OAKLAND



CITY OF OAKLAND

PERMIT TO EXCAVATE IN STREETS OR OTHER WORK AS SPECIFIED

BETWEEN Collidge AND 34th Street
 (street) (street)

FAUSTINO JUN OSALBO
 CONSTRUCTION INSPECTOR
 OFFICE OF PUBLIC WORKS

OFFICE HOURS: 8:00 - 9:30 AM
 4:00 - 4:30 PM

1330 BROADWAY, OAKLAND, CA 94612

PHONE (415)
 273-3651

CONTRACTOR

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

LICENSE # AND CLASS

CITY BUSINESS TAX #

STATE: CA ZIP: 94612

Approximate Starting Date DATE 7-20-90

Approximate Completion Date DATE 7-20-90

LIMITED OPERATION AREA YES _____ NO _____

DATE STREET LAST RESURFACED DATE _____

24-HOUR EMERGENCY
 PHONE NUMBER _____

Telephone 273-3668 Forty-eight (48) HOURS BEFORE ACTUAL CONSTRUCTION.
 This Permit Void 90 Days From Issue.

ATTENTION

State law requires that contractor/owner call Underground Service Alert two working days before excavating to have below-ground utilities located. This permit is not valid unless applicant has secured an inquiry identification number issued by Underground Service Alert.

Call Toll Free: 800-642-2444

This permit issued pursuant to all provisions of Chapter 6, Article 2 of the Oakland Municipal Code.

This permit is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance.

3 or the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than \$500:

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption in this subdivision on more than two structures more than once during any three-year period. (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I am exempt under Sec. _____, B&P.C. for this reason _____

Signature _____ Date _____

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab. C.).

Policy # _____ Company Name _____

Certified copy is hereby furnished.

Certified copy is filed with the city building inspection department.

Signature _____ Date _____

(This section need not be completed if the permit is for one hundred dollars (\$100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Signature _____ Date _____

OWNER/BUILDER

WORKER'S COMPENSATION

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become

X _____ Date 7-20-90
 Signature of Contractor Owner or Agent

1900134
 4/105

UTILITY COMPANY REPORT

Supervisor _____

Completion Date _____

CITY INSPECTOR'S REPORT

BACKFILL _____ PAVING _____

Initials _____

Hours _____

Date _____

Concrete _____

Asphalt _____

Sidewalk _____

Size of Cut: Sq. Ft. _____ Inches _____

Paved by _____ Type _____

Bill No. _____

Charges _____

Backfill _____

Paving _____

Paving Insp. _____

APPROVED

Engineering Services _____ Date _____

Field Services _____ Date _____

Construction _____ Date _____

Traffic Engineering _____ Date _____

Electrical Department _____ Date _____

APPROVED BY DIRECTOR OF PUBLIC WORKS

PER _____

Excavation Permit Granted _____ No. _____

CITY OF OAKLAND

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9412

Tank Permit No. 9412

Oakland, California, JUNE 27, 1990

PERMISSION IS HEREBY GRANTED TO ~~REMOVE~~ ^{SOLVENT} ~~REMOVE~~ ^{REPAIR} ~~REMOVE~~ ^{REPAIR} tank and excavate commencing _____ feet inside curb line

on the north side of Davis Street Avenue 75 feet east of Coolidge Street Avenue

House No. 2678 Coolidge Present Storage _____

Owner Harold Turner Address 2678 Coolidge Phone 532-4500

Applicant C.M. Chambers Address 1507 Tulip Cr. Auburn 95603 Phone 916-888-4002

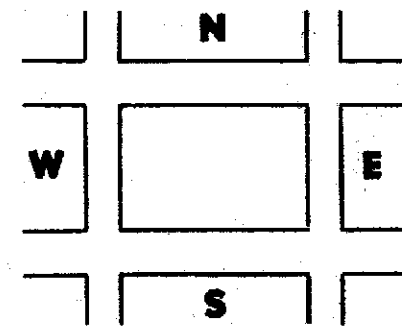
Dimensions of street (sidewalk) surface to be disturbed _____ X Number of Tanks 6 Capacity 250 to 1,000 Gallons, each.

Remarks: _____

This Permit is granted in accordance with existing City Ordinances.
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.
When installing, removing or repairing tanks, no open flame to be on or near premises.

Approved _____ Fire Marshal

Approved _____ Drainage Division Engineering Dept.



EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.84

_____ square feet of digging or removal granted.

The receipt of \$ _____ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on _____ 19____

By _____ Fire Marshal

Inspection Fee Paid - - - - - 280.00 ck#1828 rec#636402

Received by D. Clemons
FIRE PREVENTION BUREAU

NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

When ready for inspection notify Fire Prevention Bureau, 273-3851

THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.

APPENDIX C

UNIFORM HAZARDOUS WASTE MANIFEST

72236

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD03304406300001		Manifest Document No. 00001		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address SNOW CLEANERS HAROLD TURNER 2678 COOLIDGE AVE OAKLAND, CALIF 94601						A. State Manifest Document Number 89890745							
4. Generator's Phone (415) 532-1500						B. State Generator's ID							
5. Transporter 1 Company Name Erickson Trucking, Inc.			6. US EPA ID Number CAD009466392			C. State Transporter's ID 156297		D. Transporter's Phone (415) 235-1393					
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address Erickson, Inc. 255 Parr Blvd. Richmond, CA 94801						10. US EPA ID Number CAD009466392							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		Waste No.	
a. Waste empty storage tank Non-RCRA Hazardous Waste Solid						0106 T P		146500				State: 512 EPA/Other: None	
b.												State: EPA/Other:	
c.												State: EPA/Other:	
d.												State: EPA/Other:	
J. Additional Descriptions for Materials Listed Above EMPTY STORAGE TANK SOLVENT TANK # 3897 # 3898 # 3899 #3900 #3901 #3902 Filled with 150 LBS DRY ICE PER TANK						K. Handling Codes for Wastes Listed Above a. 01		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													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this 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 international and national government regulations. 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 CHARLES M CHAMBERS				Signature <i>Charles M Chambers</i>				Month Day Year 10 20 1990					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Tom Rothstein				Signature <i>Tom Rothstein</i>				Month Day Year 10 20 1990					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month Day Year					
Discrepancy Indication Space													
City Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed Name Richard H. Johnson Jr.				Signature <i>Richard H. Johnson Jr.</i>				Month Day Year 10 21 1990					

TRANSPORTER

Do Not Write Below This Line

White: TSDf SENDS THIS COPY TO DOHS WITHIN 30 DAYS
 To: P.O. Box 3000 Sacramento, CA 95812

are obsolete.

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper's No. _____

CARRIER: Erickson Trucking, Inc.

SCAC

Carrier's No. _____
 Date _____

TO: Consignee
 600 S. 4th St.
 Richmond, CA 94805
 Destination Zip _____

FROM: Shipper
 Erickson, Inc.
 255 Parr Blvd.
 Richmond, CA 94801
 Origin Zip _____

Route: _____

Vehicle Number _____

HAZARDOUS MATERIALS - PROPER SHIPPING NAME	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (for exemption)
regulated material gas free triple rinsed underground or scrap					
721 13864 - 72264/3095		N/A	N/A	N/A	None
721 13864 - 72264/3095					
721 13785 - 72236/3902					
721 13899 -					

Remit C.O.D. to:
 Address: _____
 City: _____ State: _____ Zip: _____

CO.D Amt: \$ _____

C.O.D. FEE:
 Prepaid
 Collect \$ _____

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the property. The agreed or declared value of the property shipped to be not exceeding \$ _____ Per _____

Subject to Section 7 of the code of California, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

RECEIVED, subject to the class of packages (unknown), marked, or contract) agrees to carry to its destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in force at the date of shipment.

This is to certify that the above named property is properly conditioned for shipment in accordance with the applicable regulations of the Department of Transportation.

FREIGHT CHARGES
 PREPAID COLLECT

PLACARDS REQUIRED None PLACARDS SUPPLIED YES NO - FURNISHED BY CARRIER

SHIPPER: Erickson, Inc.
PER: Sharon Lowry
DATE: 7/12
EMERGENCY RESPONSE TELEPHONE NUMBER: 1-800-235-1393

CARRIER: _____
PER: _____
DATE: _____

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

9-BLS-A3 (Rev. 9/88)

IS TO CERTIFY that the following information is true and correct in accordance with Section 7 (commencing with Section 17000) of the California Vehicle Code.



WEIGHMASTER CERTIFICATE
 I hereby certify that the above 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 Division 5 of the California Business and Professions Code, administered by the Department of Measurement Standards of the California Department of Food and Agriculture.

ACCOUNT: 221688
 RICKSON INC.

TICKET# 11350
 MATL. 10201-1 UNP
 PRICE / TON: \$ _____
 TOTAL PRICE: \$ _____
 WEIGHT ADJUSTMENT: 0 PERCENT: *****%
 INBOUND WEIGHT: 7200 Lbs.

ASH I.D.: _____ TRUCK NO: _____ LICENSE NO: _____

DRIVER: _____
 Weight Lbs. 7/12/90- 11:35 FRT. CODE: 1 COST: \$ 0.00
 Weight Lbs. 7/12/90- 12:24
 Weight Lbs. _____

AGREEMENT: Seller will deliver vehicle as described, including title, and driver agrees to be responsible for vehicle during unloading.

BILL OF SALE: I warrant that I am the owner (or owner's representative) of the material described herein and have the right to sell same, that it contains no hazardous material as defined by Federal or State law and that for payment hereby received, I sell and convey title to LMC METALS.

SIGNATURE OF SELLER OR AGENT

 LMC METALS WEIGHMASTER
 3-34127

CUSTOMER COPY

STRAIGHT BILL OF LADING ORIGINAL - NOT NEGOTIABLE

Shipper's No. _____

kt
CARRIER: Erickson Trucking, Inc. SCAC Carrier's No. _____
 Date _____

TO: LMC Corp.
 600 S. 4th St.
 Richmond, CA 94805
 Destination Zip

FROM: Erickson, Inc.
 255 Parr Blvd.
 Richmond, CA 94801
 Shipper Street Origin Zip

Route: _____ Vehicle Number _____

No Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
		Non-Dot regulated material gas free triple rinsed underground tanks for scrap					
		72053/3661	None	N/A	N/A	N/A	None
		72177/3E17					
		72149/377E					
		72231/3897 - 72163/3810					

Remit C.O.D. to: _____
 Address: _____
 City: _____ State: _____ Zip: _____

C.O.D. FEE:
 Prepaid
 Collect \$

Freight Charges:
 PREPAID COLLECT

NOTE -- Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

PLACARDS REQUIRED None **PLACARDS SUPPLIED** YES NO -- FURNISHED BY CARRIER

SHIPPER: Erickson, Inc. **CARRIER:** _____
PER: Shannan Lowry **PER:** _____

DATE: 7/11 **DATE:** _____

EMERGENCY RESPONSE TELEPHONE NUMBER: 415 2351393 **Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.**

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

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 in 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.



TICKET# 11191

MATL. 10201-1 UNP
 PRICE / TON: \$ _____
 TOTAL PRICE: \$ _____
 WEIGHT ADJUSTMENT: 0 PERCENT: *****
 INBOUND WEIGHT: 38640 Lbs.

ACCOUNT: 2216801
 ERICKSON INC.

CASH I.D.: _____ TRUCK NO. _____ LICENSE NO. _____
 DRIVER: _____
 38640 (M) Gross Weight Lbs. 7/11/90- 10:26 FRT. CODE: 1 COST: \$ 0.00
 27360 Tare Weight Lbs. 7/11/90- 10:45
 11280 Net Weight Lbs.

SIGNATURE OF SELLER OR AGENT
 LMC METALS WEIGHMASTER
 2-34013

FOR SALVAGE VEHICLE SALES: I hereby certify, under penalty of perjury, that any vehicles sold have been cleared for dismantling with the Department of Motor Vehicles.

HOLD HARMLESS AGREEMENT: Seller will indemnify and hold buyer harmless from damages, claims and liabilities, including reasonable attorney's fees, resulting from the breach of any warranty hereunder and driver agrees to be responsible for damage to vehicle during unloading.

BILL OF SALE: I warrant that I am the owner (or owner's representative) of the material described hereon and have the right to sell same, that it contains no hazardous material as defined by Federal or State law and that for payment hereby received, I sell and convey title to LMC METALS.

STRAIGHT BILL OF LADING
ORIGINAL - NON-NEGOTIABLE

Shipper's No. _____

CARRIER: Ericksen Trucking, Inc.

SCAC

Carrier's No. _____
Date _____

TO: 600 S. 10th St.
 Consignee Richmond, CA 94805
 Street
 Destination Zip

FROM: Erickson, Inc.
 Shipper 255 Parr Blvd.
 Street Richmond, CA 94801
 Origin Zip

Route:

Vehicle Number

HM (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
Regulated material gas free triple rinsed underground or scrap					
7210 3864 - 72264/3905		N/A	N/A	N/A	None
7210 3864 - 72236/3902					
7210 13785 - 72236/3902					
722 13809					

Remit C.O.D. to:
 Address:
 City: State: Zip:

COO Amt: \$

C.O.D. FEE:
 Prepaid
 Collect \$

NOTE - Where the rate is different from the agreed or declared value is hereby specifically stated by the shipper to be not exceeding \$ Per

On value, shippers are required to state specifically in writing the agreed or declared value of the property

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 (Signature of Consignee)

FREIGHT CHARGES

PREPAID COLLECT

RECEIVED, subject to the class packages unknown, marked or contract agrees to carry to its cover all or any portion of said property the governing classification on the Shipper hereby certifies that he is insured.

is and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted contents and condition of contents of and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in effect at the time of shipment. Similar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his

This is to certify that the above named property is properly classified, described, packaged, marked and labeled and is in proper condition for shipment according to the applicable provisions of the Department of Transportation.

is and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted contents and condition of contents of and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in effect at the time of shipment. Similar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his

PLACARDS REQUIRED None

PLACARDS SUPPLIED YES NO - FURNISHED BY CARRIER
 DRIVER SIGNATURE: _____

SHIPPER: Erickson, Inc.
PER: Sharon Lowry

CARRIER: _____
PER: _____

DATE: _____

DATE: _____

EMERGENCY RESPONSE TELEPHONE NUMBER: _____

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

9-BLS-A3 (Rev. 9/88)

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

WEIGHMASTER CERTIFICATE
 This commodity is weighed, measured or counted by a weighmaster whose signature is on this certificate who is a recognized authority of accuracy as prescribed by Section 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture



TICKET# 11350

ACCOUNT: 221680
 ERICKSON INC.

MATL. 10201-1 UNP
 PRICE / TON: \$ _____ PAY WEIGHT: 7620
 TOTAL PRICE: \$ _____
 WEIGHT ADJUSTMENT: 0 PERCENT: *****
 INBOUND WEIGHT: 7200 Lbs.

ASH I.D.:

TRUCK NO.

LICENSE NO.

37200 (M)
 29580 T
 7620 N

DRIVER:
 Weight Lbs. 7/12/90- 11:35 FRT. CODE: 1 COST: \$ 0.00
 Weight Lbs. 7/12/90- 12:28
 Weight Lbs.

SIGNATURE OF SELLER OR AGENT

Rich Warrick
 LMC METALS WEIGHMASTER

SALVAGE VEHICLE SALES: HOLD - PAID
 I warrant, under penalty of perjury, that any vehicles sold have been cleared for dismantling with the Department of Motor Vehicles. I am not responsible for any damage to or destruction of any property of the purchaser.

AGREEMENT: I warrant that I am the owner (or owner's representative) of the material described hereon and have the right to sell same, that it contains no hazardous material as defined by Federal or State law and that for payment hereby received, I sell and convey title to LMC METALS.

2-34127

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper's No. _____

CARRIER: Erickson Trucking, Inc.

SCAC

Carrier's No. _____
 Date _____

TO: LMC Corp.
 Consignee 600 S. 4th St.
 Street Richmond, CA 94805
Destination _____ **Zip** _____

FROM: Erickson, Inc.
 Shipper 255 Parr Blvd.
 Street Richmond, CA 94801
Origin _____ **Zip** _____

Route: _____

Vehicle Number _____

HAZARDOUS MATERIALS PROPER SHIPPING NAME	HAZARD CLASS	TD NUMBER	WEIGHT (GROSS/TARE)	RATE	TAGS REQUIRED
Non-Dot regulated material gas free triple rinsed underground tanks for scrap	None	N/A	N/A	N/A	None
72124/3937					
72136/3901					
72121/3947 - 72225/3898					
72136/3896					

Remit C.O.D. to:
 Address: _____
 City: _____ State: _____ Zip: _____

COD Amt: \$ _____

C.O.D. FEE:
 Prepaid
 Collect \$ _____

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse to the carrier, the carrier shall sign the following statement:
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 (Signature of Carrier)

FREIGHT CHARGES
 PREPAID COLLECT

Notwithstanding to the classification and liability filed herein in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages removed, marked, consigned, and delivered as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) is to be its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in effect on the date of shipment.

This is to certify that the above described materials are properly classified, described, packaged, marked and labeled in accordance with the requirements of the Department of Transportation.

PLACARDS REQUIRED

PLACARDS SUPPLIED

YES NO - FURNISHED BY CARRIER
 DRIVER SIGNATURE: _____

SHIPPER: Erickson, Inc.

CARRIER: _____

PER: Shanan Loney

PER: _____

DATE: _____

DATE: _____

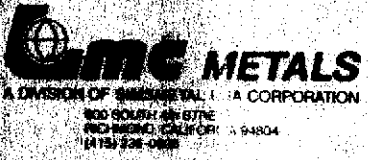
EMERGENCY RESPONSE TELEPHONE NUMBER: 415 451393

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

8-BLS-A3 (Rev. 9/88)

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 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.



TICKET# 11309

MATL. 10201-1 UNP
 PRICE / TON: \$ _____ PAY WEIGHT: 18680
 TOTAL PRICE: \$ _____
 WEIGHT ADJUSTMENT: 0 PERCENT: *****
 INBOUND WEIGHT: 48360 Lbs.

ACCOUNT: 22168801
 ERICKSON INC.

CASH I.D.:

TRUCK NO. _____ LICENSE NO. _____

DRIVER: _____
 Gross Weight Lbs. 7/12/90- 9:02
 Tare Weight Lbs. 7/12/90- 9:21
 Net Weight Lbs. _____

FRT. CODE: 1 COST: \$ 0.00
 SIGNATURE OF MEMBER OR AGENT: *Richard Noyman*
 LMC METALS WEIGHMASTER

FOR VEHICLE SALES: This bill of lading is not negotiable and does not constitute a contract for the sale of any vehicle. It is subject to the terms and conditions of the bill of lading and the bill of sale.

WARRANTY: Seller warrants that the vehicle is free from damage, and is suitable for use as described. Seller shall be liable for any damage to the vehicle during unloading.

BILL OF SALE: I warrant that I am the owner (or owner's representative) of the material described herein and have the right to sell same, that it contains no hazardous material as defined by Federal or State law and that for payment hereby received, I sell and convey title to LMC METALS.

2-34100

APPENDIX D

CERTIFICATE OF DISPOSAL

No 3900-72236
Snow Cleaners

CERTIFICATE
Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1393

For: Erickson, Inc. Tank No. (s.) 3900 Location: Richmond Date: 7-12 Time: 10:30
Test Method: Visual Gastech/1314 SMPN Last Product: petroleum Hydro Carbons

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based

on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
1- 1800 Gal. Tank	Safe For Fire Oxy 20.9% LEL - 1%

Remarks: _____

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the

undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Representative [Signature] Title SMPN

Inspector [Signature]

No 3901 - Snow Cleaners
72236

CERTIFICATE
Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1393

For: Erickson, Inc. Tank No. (s.) 3901 Location: Richmond Date: 7-12 Time: 7:30
Test Method: Visual Gastech/1314 SMPN Last Product: Petroleum Hydro Carbons

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based

on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
1 800 Gal Tank	Safe for Fire
	Oxy 20.9%
	LEL 1%

Remarks: _____

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the

undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Representative

Title

Inspector

No. 3902-72236
Snow Cleaners

CERTIFICATE
Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1393

For: Erickson, Inc. Tank No.(s.) 3902 Location: Richmond Date: 7-12 Time: 10:30
Test Method: Visual Gastech/1314 SMPN Last Product: petroleum hydro carbons

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based

on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
1- 100 Gal. Tank	Safe For Fire Oxy 20.9% LEL - 1%

Remarks:

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the

undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Representative [Signature] Title [Signature]

Inspector [Signature]

No 3899-72236
Snow Cleaners

CERTIFICATE
Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1393

For: Erickson, Inc. Tank No.(s) 3899 Location: Richmond Date: 7-12 Time: 10:30
Test Method: Visual Gastech/1314 SMPN Last Product: Petroleum Hydro Carbons

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based

on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
1- 150 Gal. Tank	Safe For Fire Oxy 20.9% LEL - 1%

Remarks:

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the

undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Representative [Signature] Title [Signature]

Inspector [Signature]

№ 3897-72236
Snow Cleaners

CERTIFICATE
Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1593

3
70r: Erickson, Inc. Tank No. (s.) 3897 Location: Richmond Date: 7-11 Time: 8:45
Test Method: Visual Gastech/1314 SFN Last Product: PETROLEUM HYDRO CARBONS

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based

on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
1- 1000 Gal Tank	Safe For Fire
	Oxy 20.9 %
	LEL -1 %
	A

Remarks:

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the

undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Representative Jim Ray Title _____

Inspector [Signature]

APPENDIX E

**UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE
(LEAK)/CONTAMINATION SITE REPORT**

Preliminary Results

COPY

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-06-112
Hazardous Waste Testing
Certification: 108

CLIENT: CHAMBERS
PROJECT: SNOW
SAMPLE ID: BLANK 2

DATE RECEIVED: 06/12/1990
DATE EXTRACTED: 06/18/1990
DATE COMPLETED: 06/22/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Paint Thinner	<5	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

June 25, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

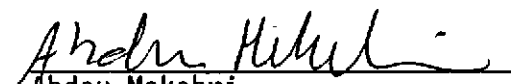
EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-06-112
Hazardous Waste Testing
Certification: 108

CLIENT: CHAMBERS
PROJECT: SNOW
SAMPLE ID: 5-90-4002-10 4

DATE RECEIVED: 06/12/1990
DATE EXTRACTED: 06/18/1990
DATE COMPLETED: 06/22/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Paint Thinner	<5	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-
<u>CARBON NO. RANGE</u>		
Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-
<u>PEAK CARBON NO</u>		
Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

June 25, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-06-112
Hazardous Waste Testing
Certification: 108

CLIENT: CHAMBERS
PROJECT: SNOW
SAMPLE ID: 5-90-5002-10 5

DATE RECEIVED: 06/12/1990
DATE EXTRACTED: 06/18/1990
DATE COMPLETED: 06/22/1990

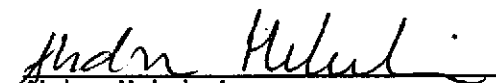
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Paint Thinner	<5	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

June 25, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-06-112
Hazardous Waste Testing
Certification: 108

CLIENT: CHAMBERS
PROJECT: SNOW
SAMPLE ID: 5-90-6001-5 -3

DATE RECEIVED: 06/12/1990
DATE EXTRACTED: 06/18/1990
DATE COMPLETED: 06/22/1990


<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Paint Thinner	<5	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

June 25, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-06-112
Hazardous Waste Testing
Certification: 108

CLIENT: CHAMBERS
PROJECT: SNOW
SAMPLE ID: 6-90-7001-10 - 2

DATE RECEIVED: 06/12/1990
DATE EXTRACTED: 06/18/1990
DATE COMPLETED: 06/22/1990

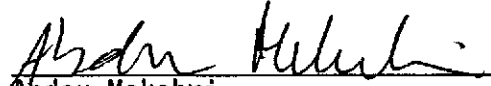
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Paint Thinner	<5	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Paint Thinner	-	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

June 25, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-06-112
Hazardous Waste Testing
Certification: 108

CLIENT: CHAMBERS
PROJECT: SNOW
SAMPLE ID: 5-90-6001-7 -7

DATE RECEIVED: 06/12/1990
DATE EXTRACTED: 06/18/1990
DATE COMPLETED: 06/22/1990

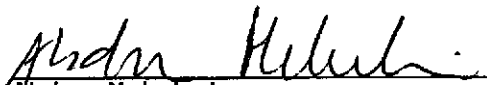
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Paint Thinner	94	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	94	-

CARBON NO. RANGE

Paint Thinner	C9-C12	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Paint Thinner	C10	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

June 25, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-06-112
Hazardous Waste Testing
Certification: 108

CLIENT: CHAMBERS
PROJECT: SNOW
SAMPLE ID: MATRIX SPIKE RECOVERY *

DATE RECEIVED: 06/12/1990
DATE EXTRACTED: 06/18/1990
DATE COMPLETED: 06/22/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Paint Thinner	-
Gasoline Range	-
Diesel Range	95%
Motor Oil Range	-
Total Petroleum Hydrocarbons	

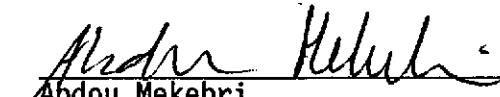
CARBON NO. RANGE

Paint Thinner	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Paint Thinner	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

*This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Abdou Mekebri
Chemist

June 25, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-06-112
Hazardous Waste Testing
Certification: 108

CLIENT: CHAMBERS	DATE RECEIVED: 06/12/1990
PROJECT: SNOW	DATE EXTRACTED: 06/18/1990
SAMPLE ID: MATRIX SPIKE RECOVERY DUP. *	DATE COMPLETED: 06/22/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Paint Thinner	-
Gasoline Range	-
Diesel Range	86%
Motor Oil Range	-
Total Petroleum Hydrocarbons	

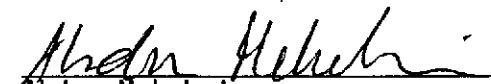
CARBON NO. RANGE

Paint Thinner	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Paint Thinner	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

*This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Abdou Mekebri
Chemist

June 25, 1990
Date

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TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-05-127
Hazardous Waste Testing
Certification: 108

CLIENT: CHAMBERS
PROJECT: SNOW
SAMPLE ID: 5-90-2002-10 -6

DATE RECEIVED: 05/14/1990
DATE EXTRACTED: 05/16/1990
DATE COMPLETED: 05/24/1990
DATE SAMPLED: 05/13/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Paint Thinner	17	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	17	-

CARBON NO. RANGE

Paint Thinner	C9-C12	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Paint Thinner	C11	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

Abdou Mekebri
Abdou Mekebri
Chemist

May 24, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-05-127
Hazardous Waste Testing
Certification: 108

CLIENT: CHAMBERS
PROJECT: SNOW
SAMPLE ID: BLANK

DATE RECEIVED: 05/14/1990
DATE EXTRACTED: 05/16/1990
DATE COMPLETED: 05/24/1990

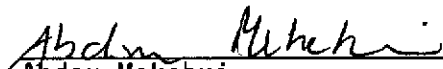
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Paint Thinner	<5	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Paint Thinner - -
Gasoline Range - -
Diesel Range - -
Motor Oil Range - -

PEAK CARBON NO

Paint Thinner - -
Gasoline Range - -
Diesel Range - -
Motor Oil Range - -


Abdou Mekebri
Chemist

May 24, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-05-127
Hazardous Waste Testing
Certification: 108

CLIENT: CHAMBERS
PROJECT: SNOW
SAMPLE ID: 5-90-1003-11 -1

DATE RECEIVED: 05/14/1990
DATE EXTRACTED: 05/16/1990
DATE COMPLETED: 05/24/1990
DATE SAMPLED: 05/13/1990

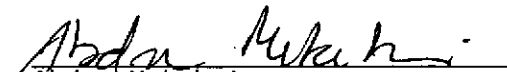
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg(ppm)]	<u>DETECTION LIMIT</u> [mg/Kg(ppm)]
Paint Thinner	856	5
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	856	-

CARBON NO. RANGE

Paint Thinner	C9-C12	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Paint Thinner	C11	-
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

May 24, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-05-127
Hazardous Waste Testing
Certification: 108

CLIENT: CHAMBERS
PROJECT: SNOW
SAMPLE ID: 5-90-1003-11 MATRIX SPIKE
RECOVERY

DATE RECEIVED: 05/14/1990
DATE EXTRACTED: 05/16/1990
DATE COMPLETED: 05/24/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Paint Thinner	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	102%
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Paint Thinner	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Paint Thinner	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

Abdou Mekebri
Abdou Mekebri
Chemist

May 24, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-05-127
Hazardous Waste Testing
Certification: 108

CLIENT: CHAMBERS
PROJECT: SNOW
SAMPLE ID: 5-90-1003-11 MATRIX SPIKE
RECOVERY DUPLICATE

DATE RECEIVED: 05/14/1990
DATE EXTRACTED: 05/16/1990
DATE COMPLETED: 05/24/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Paint Thinner	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	104%
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Paint Thinner	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Paint Thinner	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

Abdou Mekebri
Abdou Mekebri
Chemist

May 24, 1990
Date

Request (1) Manifest for pet. thinner Regaltron dba Refiner's Service

App A = 5 Soil files under tanks

(2) Why 2-inch casing & not 4"

<u>Spk</u>	<u>Results</u>			<u>TPH</u>
7-90-1	50 ppm thinner	172 ppm	new oil Eng.	222
7-90-2	179 ✓	136 pp	- diesel range	315
7-90-3	229 ✓	221	- diesel range	400
-4	ND →			
-5	673 Diesel range			
-6	low			

5-90-1003-11-1 856 pp paint thinner