EXCELTECH

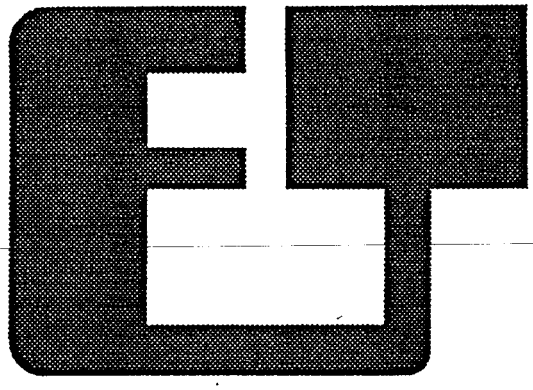
#21

SOIL INVESTIGATION

AT

PROFICIENT FOODS
5675 SUNOL BOULEVARD
PLEASANTON, CALIFORNIA

The Environmental Service Company



EXCELTECH

SOIL INVESTIGATION

AT

PROFICIENT FOODS
5675 SUNOL BOULEVARD
PLEASANTON, CALIFORNIA

Project No. 330008-31
June 1990

Northern California Regional Office 41674 Christy Street, Fremont, CA 94538-3114 (415) 659-0404 Fax: (415) 651-4677

EXCELTECH

June 29, 1990

Proficient Foods
5675 Sunol Boulevard
Pleasanton, California 94566

Attention: Mr. Wayne McClay

Subject: Vadose Well Installation
Proficient Foods, 5675 Sunol Boulevard, Pleasanton, California
Exceltech Project No. 330008-31

Dear Mr. McClay:

At the request of Proficient Foods, Exceltech, Inc., has prepared this letter report containing results of the vadose well installation carried out on May 29 and 30, 1990, at your facility at 5675 Sunol Boulevard in Pleasanton, Alameda County, California (Figure 1).

Field Investigation

Eight borings were drilled near the fuel tanks (Figure 2) with an Exceltech truck-mounted B-53 drill rig using 8-1/4" outside-diameter by 4-1/4" inside-diameter hollow stem continuous flight augers. The augers and other tools were steam-cleaned before drilling each boring to minimize the possibility of cross-contamination. In borings VW-1 and VW-1A, and in boring VW-4, the drill bit encountered an impenetrable concrete footing at the base of the fuel tanks. These borings were abandoned and sealed. Relatively undisturbed soil samples from the five completed borings were collected from the native soil underlying the tank backfill, approximately 15 feet below ground surface, using a modified California split-tube sampler with internal 2-inch-diameter by 6-inch-long brass liners. When a boring was advanced to the desired sample depth, the modified California sampler was lowered to the bottom of the hole. The sampler was driven 1-1/2 feet ahead of the auger with a 140-pound, rig-operated hammer, and was then removed and disassembled. During drilling and between sampling intervals, the sampler was scrubbed and washed with clean water. An Exceltech geologist logged the borings and characterized the sediments by the Unified Soil Classification System and Munsell Soil Color Charts. During drilling, the geologist also field-tested each sample and the cuttings from each borehole at intervals with an organic vapor meter (OVM) to determine the approximate concentrations of petroleum hydrocarbon gases in the subsurface sediments. The details of this analysis and of the subsurface materials and conditions encountered are presented on the boring logs in Appendix A.

After the sampler was retrieved from the borehole, the lowermost liner was preserved for laboratory analysis. Both ends of the brass liner containing the soil sample were covered with aluminum foil and plastic caps. The liner was then labeled with a unique sample number and pertinent sample information, placed in a plastic "Ziploc" bag, entered onto a chain-of-custody form, and packed in a chilled ice chest for delivery to the contract laboratory. All samples were taken to Sequoia Analytical, a state-certified analytical laboratory in Redwood City, California, and analyzed for the presence of total petroleum hydrocarbons as gasoline (TPHG) with benzene,

toluene, ethyl benzene, and total xylenes (BTEX) and for total petroleum hydrocarbons as diesel (TPHD) using methods approved by the California Regional Water Quality Control Board (CRWQCB) and the Environmental Protection Agency (EPA). All analytical results were reported in parts per million (ppm).

Vadose Well Construction

Exceltech converted exploratory borings VW-2, VW-3, VW-4A, VW-5, and VW-6 to vadose monitoring wells by installing 2-inch-diameter, Schedule 40 PVC blank and factory-slotted screen (0.020 inch) casing with flush-threaded couplings. No solvents or cements were used during construction. An Exceltech geologist determined the placement of the screened intervals in the field. The wells were installed to monitor gases from beneath the tanks and from the overlying backfill. After casings were installed, No. 2/12 sand was placed in the annular space between the casing and the walls of the borings to approximately 3 feet above the top of the screened interval. Approximately 1 foot of bentonite pellets were then placed upon the top of the sand and hydrated. A cement grout seal was placed in the annulus to within approximately 1 foot of the ground surface. To protect the PVC wellheads, PVC locking expansion caps and locks were installed in traffic-rated vault boxes. A concrete surface seal was then completed up to approximately 1/2 inch above existing grade. Appendix A contains construction details for each well.

Laboratory Analyses

Chemical analyses of the five soil samples revealed no TPHG in any of the wells. Low concentrations of xylenes were found in wells VW-2 (.038 ppm), VW-4A (.026 ppm), VW-6 (.010 ppm), and VW-3 (.010 ppm). Low concentrations of ethyl benzene were detected in samples VW-2 (.012 ppm) and VW-4A (.0051 ppm) and minor toluene was found in well VW-2 (.006 ppm). Levels of TPHD were discovered in samples VW-3 (1.3 ppm) and VW-5 (1.4 ppm). The chemical results are summarized in Table 1, and Sequoia's analytical report is in Appendix B. A copy of the chain-of-custody; Exceltech's laboratory and chain-of-custody procedures; and Exceltech's protocols for soil and ambient air sampling are also attached in Appendix B.

Discussion

- The relatively low levels of petroleum hydrocarbons suggest that product losses have only minimally affected the native subsurface soil.
- Groundwater was not encountered during the installation of the vadose monitoring wells.

Recommendation

- A system for continuous monitoring of the soil gases in these vadose wells should be installed to determine any changes with time in subsurface hydrocarbon levels. If no continuous monitoring system is installed in the vadose wells, Exceltech recommends quarterly monitoring of the wells.

Reporting Requirements

A copy of this report should be forwarded by Proficient Foods to the following agency in a timely manner.

Pleasanton Fire Department
P.O. Box 520
Pleasanton, CA 94566-0802
Attention: Mr. Rick Mueller

Limitations

The discussion and recommendations presented in this report are based on the following.

1. The exploratory test borings drilled at the site.
2. The observations by field personnel.
3. The results of laboratory analyses performed by a state-certified laboratory.
4. Our understanding of the regulations of the State of California, Alameda County, and the City of Pleasanton.

It is possible that variations in the soil or groundwater conditions could exist beyond the points explored in this investigation. Also, changes in the groundwater conditions could occur at some time in the future because of variations in rainfall, temperature, regional water usage, or other factors.

The service performed by Exceltech has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the Pleasanton area. Please note that contamination of soil and groundwater must be reported to the appropriate agencies in a timely manner. No other warranty, expressed or implied, is made.

Exceltech includes in this report chemical analytical data from a state-certified laboratory. The analytical results are performed according to procedures suggested by the U.S. EPA and State of California. Exceltech is not responsible for laboratory errors in procedure or result reporting.

This completes Exceltech's authorized work on this project to date. If you have any questions, please call.

Sincerely,
Exceltech, Inc.

Charles D. Conway, R.G. 4530
Project Geologist

Neil H. Zickefoose, C.E.G. 398
Senior Program Geologist

CDC/NHZ/sw
Attachment

Exceltech, Inc.
Project No. 330008-31

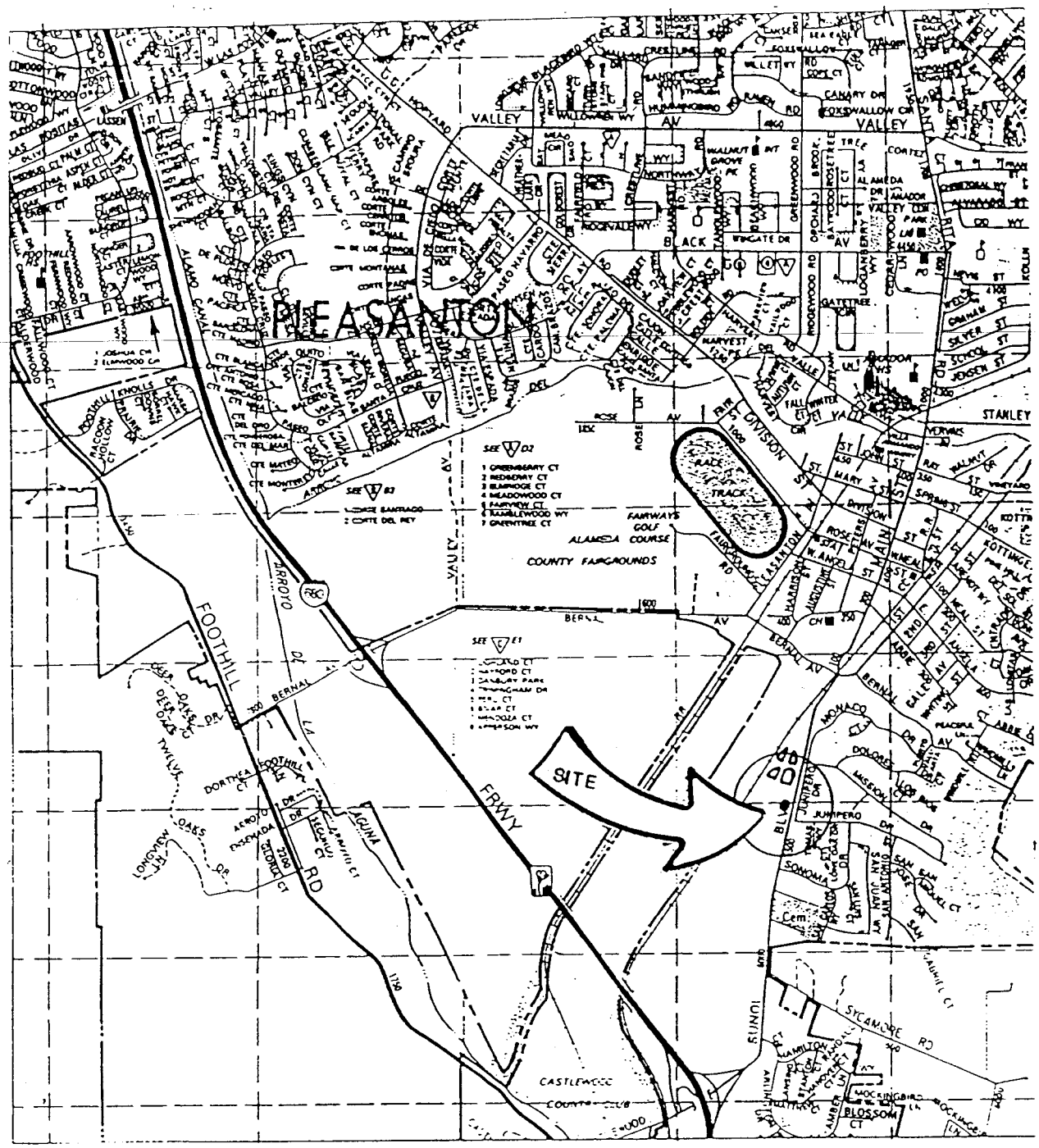
Proficient Foods
June 20, 1990

TABLE 1
SUMMARY OF SOIL ANALYSES DATA

Sample Number	Sample Depth (ft.)	TPHD (ppm)	TPHG (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl Benzene (ppm)	Xylenes (ppm)
VW-2	15	ND	ND	ND	0.006	.012	0.038
VW-3	15	1.3	ND	ND	ND	ND	.010
VW-4A	15	ND	ND	ND	ND	0.0051	.026
VW-5	15	1.4	ND	ND	ND	ND	ND
VW-6	15	ND	ND	ND	ND	ND	.010

ND	Not detected at or above the laboratory detection limits
ppm	Parts per million
TPHD	Total petroleum hydrocarbons as diesel
TPHG	Total petroleum hydrocarbons as gasoline
f t	Feet below ground surface

For detection limits, refer to laboratory reports.



EXCELTECH

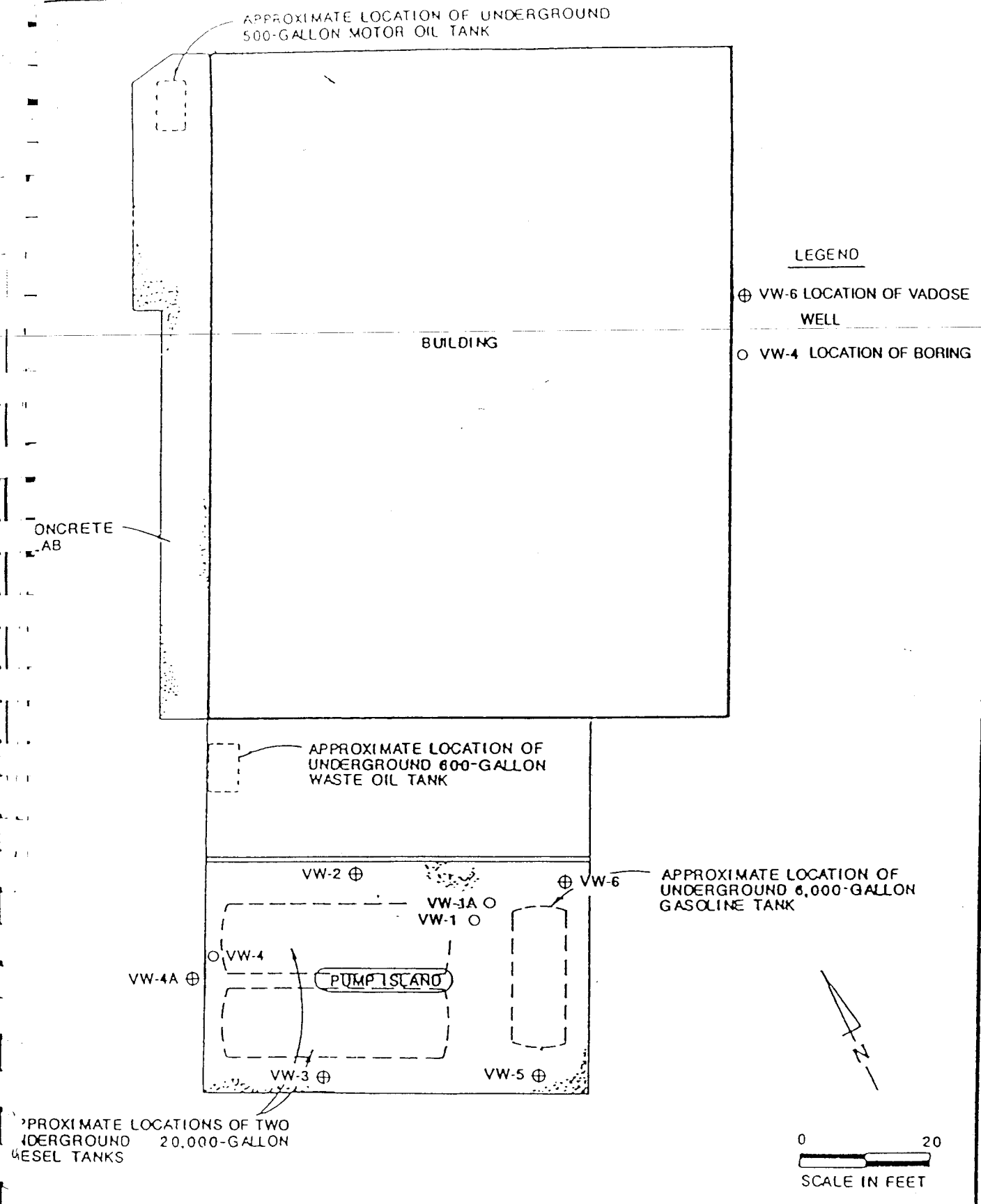
SITE LOCATION MAP

PROFICIENT FOOD COMPANY

5675 SUNOL BLVD.

PLEASANTON, CALIFORNIA

REVIEWED BY	APPROVED BY
CDC	
JOB #: 330008-31	DRAWN BY: CDC
DATE: 6/22/90	DRAWING #: FIG. 1



EXCELTECH

SITE PLAN

PROFICIENT FOOD COMPANY

5675 SUNOL BLVD.

PLEASANTON, CALIFORNIA

REVIEWED BY:	APPROVED BY
CDC	TLH
JOB # 330008-31	DRAWN BY J.C.
DATE: 6/22/90	DRAWING # FIG. 2

APPENDIX A

BORING LOGS
WELL CONSTRUCTION DETAILS

STANDARD SYMBOLS

EXCELTECH

Legend

Penetration Sample drive hammer weight - 140 pounds falling 30 inches. Blows required to drive sampler 1 foot are indicated on the logs.

No Soil Recovery

Soil Sample Location

first Encountered Ground Water Level

Piezometric Ground Water Level

Disturbed or Bag Soil Sample

2.5YR 6/2 Soil Color according to Munsell Soil Color Charts. (1975 Edition)

UNIFIED SOIL CLASSIFICATION SYSTEM

Compiled by B. W. Pipkin, Univ. of Southern Calif.

MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES
COARSE-GRAINED SOILS More than half of material is larger than no. 200 sieve size	GRAVELS More than half of coarse fraction is larger than no. 4 sieve size	Clean Gravels	GW	Well-graded gravels, gravel-sand mixtures, little or no fines
			GP	Poorly graded gravels, gravel-sand mixture, little or no fines
		Gravels with Fines	GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	SANDS More than half of coarse fraction is smaller than no. 4 sieve size	Clean Sands	SW	Well-graded sands, gravelly sand, little or no fines
			SP	Poorly graded sands, gravelly sands, little or no fines
		Sands with Fines	SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, sand-clay mixtures
FINE-GRAINED SOILS More than half of material is smaller than no. 200 sieve size	SILTS AND CLAYS	Low Liquid Limit	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts, with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silty clays of low plasticity
		High Liquid Limit	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
			CH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity, organic silts
Highly Organic Soils			Pt	Peat and other highly organic soils

NOTES:

1. Boundary Classification: Soils possessing characteristics of two groups are designated by combinations of group symbols. For example, GW-GC, well-graded gravel-sand mixture with clay binder.
2. All sieve sizes on this chart are U.S. Standard.
3. The terms "silt" and "clay" are used respectively to distinguish materials exhibiting lower plasticity from those with higher plasticity.
4. For a complete description of the Unified Soil Classification System, see "Technical Memorandum No. 3-357," prepared for Office, Chief of Engineers, by Waterways Equipment Station, Vicksburg Mississippi, March 1953. (See also Data Sheet 17.)

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Proficient Foods

BORING NO. VW-1

DATE DRILLED: 5-29-90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
0				Concrete		
1			G W	GRAVEL, olive brown (2.5Y 4/4), gravel 90-95%, medium sand 5-10%, very loose, average gravel size 3/8"-1/2"		0.3
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14				Hit concrete at 15'; driller attempted to drill through concrete, but augers advanced only 2' and stopped; abandoned boring; no sample taken; boring sealed.		
15						
16				Bottom of Boring = 15 feet		
17						
18						
19						
20						
21						

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Proficient Foods

BORING NO. VW-1A

DATE DRILLED: 5-29-90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
1				Concrete		
2			S W	SAND, grayish brown (2.5Y 5/2); coarse sand 75-85%, medium sand 15-25%, damp		0.0
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14				Hit concrete at 15'; driller attempted to drill through concrete but augers advanced only 2' and stoppped; abandoned boring; no sample taken; boring sealed		0.0
15						
16				Bottom of Boring = 15.feet		
17						
18						
19						
20						
21						

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Proficient Foods

BORING NO. VW-2

DATE DRILLED: 5/29/90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
0				Concrete		
1–7			G W	GRAVEL, olive brown (2.5Y 4/4), gravel 75-80%, medium sand 20-25%, very loose, average gravel size 3/8"-1/2"		0.0
8–12				Small pieces of fiberglass encountered at approximately 8'		0.3
13–14				GRAVELLY CLAY, very dark grayish brown (2.5Y 3/2), moderately plastic clay 75-80%, fine gravel 15-20%, average gravel size 3/8"-1/2"		0.3
15–16	VW-2.S-1	11		SILTY SAND, olive brown (2.5Y 4/4), damp, loose, sand 75-80%, silt 10-15%, minor weathered gravels 5-15%, maximum gravel size 1 1/4", average gravel size 3/8"		
17–21				Bottom of Boring = 15 feet		

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Proficient Foods

BORING NO. VW-3

DATE DRILLED: 5/30/90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
				Concrete		
1–4			G W-S W	GRAVEL to SAND, light yellowish brown (2.5Y 6/4), gravel 65-75%, medium to coarse sand 25-35%, maximum gravel size 3/4", average size 3/16" - 1/4"		0.3 0.3
5–12				Clayey with depth		
13–14			G C	CLAYEY GRAVEL, probable backfill, grayish brown (2.5Y 5/4), clay 30-40%, gravel and coarse 60-70%, clay moderate to high plasticity; average grain size of coarsest fraction 3/16"- 1/4"		0.3
15			M L	SANDY SILT, very dark grayish brown (2.5Y 3/2), silt 80-85%, fine sand 5-10%, minor clay 5-15%, relatively loose, moist		
16	VW-3,S-1	10	CL-CH	CLAY, very dark gray (2.5Y N3/0), clay 95-100%, moist, moderate to high plasticity, minor fine gravels not more than 5%		
17–21				Bottom of Boring = 15 feet		

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Profcient Fooods

BORING NO. VW-4A

DATE DRILLED: 5/29/90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
				Asphalt		
1–6			S W	SAND, dark grayish brown (2.5Y 4/2), coarse sands to fine gravels 100%		0.0
6–10				Moister with depth		0.0
10–13			SC - GC	SANDY to GRAVELLY CLAY, dark grayish brown (2.5Y 4/2), moist, very sticky, clay 60-70%, coarse sand to fine gravel 30-40%		
13–16	VW4A-S1		C L	CLAY, dark yellowish brown (10YR 3/4), moderate plasticity, moist, clay 75-85%, silt to fine sand 10-20%, fine gravels not more than 5%		
16–21				Bottom of Boring = 15 feet		

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Proficient Foods

BORING NO. VW-4

DATE DRILLED: 5/29/90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
1				Concrete		
2			S W	SAND, grayish brown (2.5Y 5/2), coarse sand 60-70%, medium sand 10-20%, rounded gravels 10-20%, maximum gravel size 1-1/4"		0.0
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13				Hit concrete at 15'; driller attempted to drill through concrete, but augers advanced only 2' and stopped. Abandoned boring; no sample taken; boring sealed.		
14						
15						
16				Bottom of Boring = 15 feet		
17						
18						
19						
20						
21						

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Profcient Foods

BORING NO. VW-5

DATE DRILLED: 5/30/90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
0				Concrete		
1–4			S W	SAND, dark grayish brown (2.5Y 4/2), well-graded sand 75-80%, fine gravel 5-10; clay 10-20%, relatively loose, damp		0.0
5				More clayey with depth		0.0
6–7			G W	CLAYEY GRAVEL, dark grayish brown (2.5 Y 4/2), moderately plastic clay 20-30%, fine gravel 40-60%, relatively loose, damp, becoming more clayey with depth		
8						1.9
9–10			G C	CLAYEY GRAVEL, dark grayish brown (2.5Y 4/2), moderate to low plasticity, clay 70-75%, gravel 10-15%, fine sand to silt 10-20%, damp		0.3
11						0.0
12–14			C L	SANDY CLAY, dark gray (2.5Y N4/0), moderate plasticity, sticky and cohesive clay 75-85%, medium to fine sand 15-25%, slightly moist		
15			CL-CH	CLAY, dark yellowish brown (10YR 4/4) cohesive, moderate to high plasticity, moist		
16	VW-5,S-1	8	C L	SANDY CLAY, dark yellowish brown (10YR 4/4), low plasticity clay 70-80%, medium to fine sand 20-30%, moist, not sticky or cohesive		0.0
17				Bottom of Boring = 15 feet		

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Proficient Foods

BORING NO. VW-6

DATE DRILLED: 5/29/90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

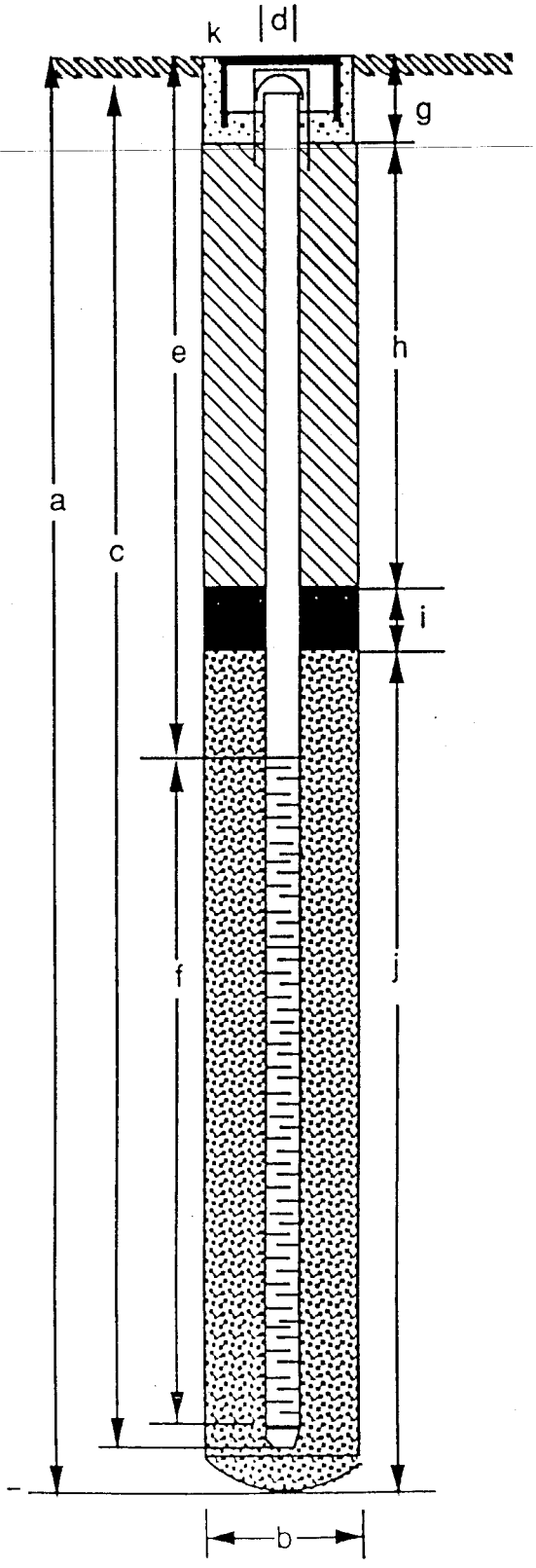
DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
0				Concrete		
1-2			G C	CLAYEY GRAVEL, very dark grayish brown (2.5Y 3/2), coarse sand to fine gravel 60-70%, clay 30-40%, moderate to high plasticity		0.0
3			G C	CLAYEY GRAVEL, very dark grayish brown (2.5Y 3/2), coarse sand to fine gravel 70-80%, clay 20-30%, moderate to high plasticity		0.0
4-9						0.0
10			G C	CLAYEY GRAVEL, dark yellowish brown (10YR 3/4), coarse sand to fine gravel 70-80%, clay 20-30%, moderate to high plasticity, damp to slightly moist		0.0
15			ML-CL	SILTY CLAY, dark yellowish brown (10YR 3/4), moist, silt 55-60%, clay 30-35%, rounded gravels and coarse sands 5-15%, maximum gravel size 1", average gravel size 3/16"		0.0
16	VW-6,S-1	10				
17				Bottom of Boring = 15 feet		
18-21						

REVIEWED BY R.G./C.E.G.

Monitoring Well Detail

PROJECT NUMBER 330008-31
PROJECT NAME Proficient Foods
COUNTY Alameda
WELL PERMIT NO. N A

BORING / WELL NO. VW-2
TOP OF CASING ELEV. N A
GROUND SURFACE ELEV. N A
DATUM N A



EXPLORATORY BORING

a. Total depth 15 ft.
b. Diameter 12 in.
Drilling method Hollow Stem Augers

WELL CONSTRUCTION

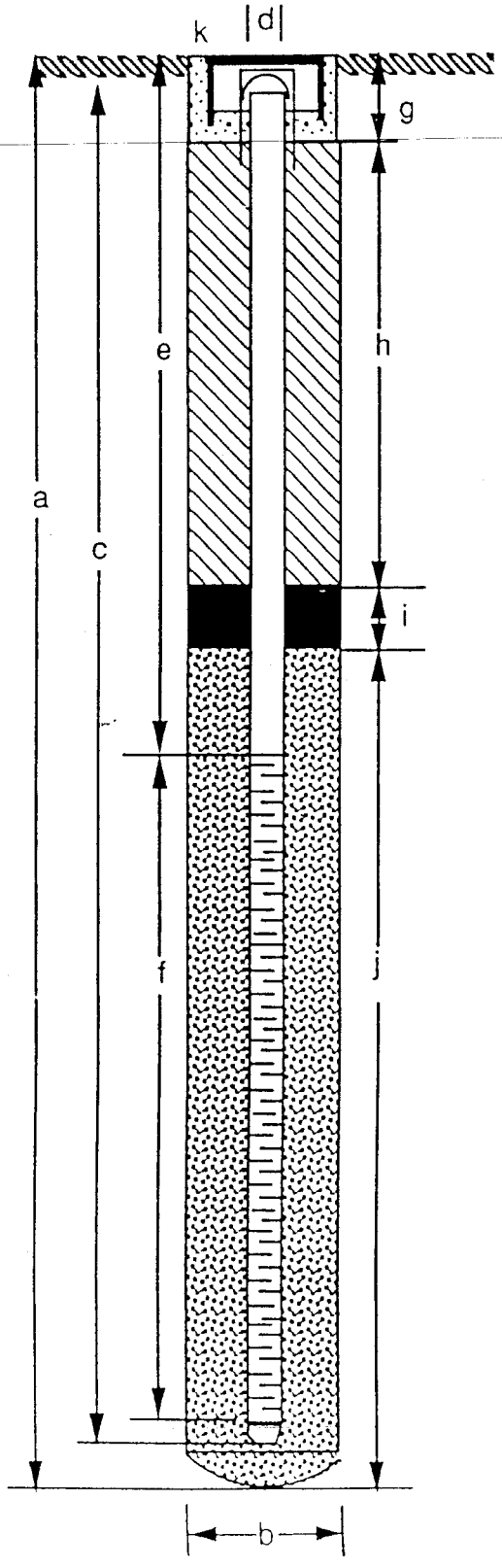
c. Casing length 14 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 9 ft.
f. Perforated length 5 ft.
Perforated interval from 14 to 9 ft.
Perforation type Machine Slot
Perforation size .020 in.
g. Surface seal 1 ft.
Seal material Concrete
h. Backfill 4 ft.
Backfill material Neat Cement Grout
i. Seal 1 ft.
Seal material Hydrated Bentonite Pellets
j. Gravel pack 9 ft.
Pack material #2/12 Lonestar Sand
k.

EXCELTECH

Monitoring Well Detail

PROJECT NUMBER 330008-31
PROJECT NAME Proficient Foods
COUNTY Alameda
WELL PERMIT NO. N A

BORING / WELL NO. VW-3
TOP OF CASING ELEV. N A
GROUND SURFACE ELEV. N A
DATUM N A



EXPLORATORY BORING

a. Total depth 15 ft.
b. Diameter 12 in.
Drilling method Hollow Stem Augers

WELL CONSTRUCTION

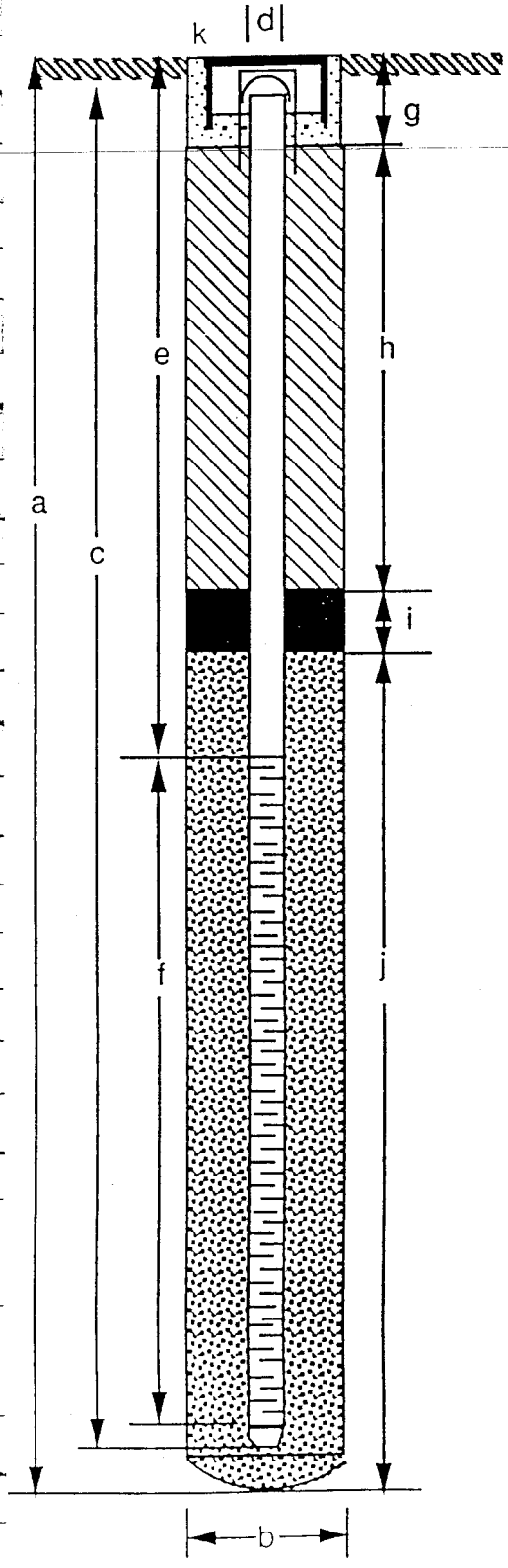
c. Casing length 14 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 9 ft.
f. Perforated length 5 ft.
Perforated interval from 14 to 9 ft.
Perforation type Machine Slot
Perforation size .020 in.
g. Surface seal 1 ft.
Seal material Concrete
h. Backfill 4 ft.
Backfill material Neat Cement Grout
i. Seal 1 ft.
Seal material Concrete
j. Gravel pack 9 ft.
Pack material #2/12/ Lonestar Sand

EXCELTECH

Monitoring Well Detail

PROJECT NUMBER 330008-31
PROJECT NAME Proficient Foods
COUNTY Alameda
WELL PERMIT NO. N A

BORING / WELL NO. VW-4A
TOP OF CASING ELEV. N A
GROUND SURFACE ELEV. N A
DATUM N A



EXPLORATORY BORING

a. Total depth 15 ft.
b. Diameter 12 in.
Drilling method Hollow Stem Augers

WELL CONSTRUCTION

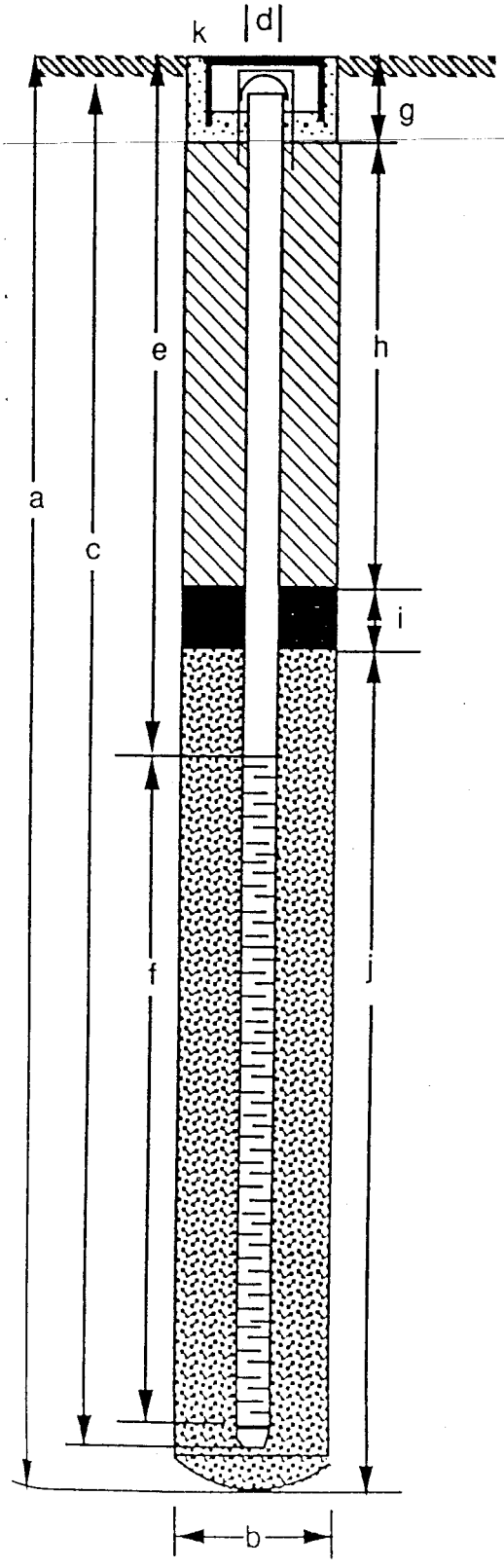
c. Casing length 15 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 10 ft.
f. Perforated length 5 ft.
Perforated interval from 15 to 10 ft.
Perforation type Machine Slot
Perforation size .020 in.
g. Surface seal 1 ft.
Seal material Concrete
h. Backfill 5 ft.
Backfill material Neat Cement Grout
i. Seal 1 ft.
Seal material Hydrated Bentonite Pellets
j. Gravel pack 8 ft.
Pack material # 2/12/ Lonestar Sand

EXCELTECH

Monitoring Well Detail

PROJECT NUMBER 330008-31
PROJECT NAME Proficient Foods
COUNTY Alameda
WELL PERMIT NO. N A

BORING / WELL NO. VW-5
TOP OF CASING ELEV. N A
GROUND SURFACE ELEV. N A
DATUM N A



EXPLORATORY BORING

a. Total depth 15 ft.
b. Diameter 12 in.
Drilling method Hollow Stem Augers

WELL CONSTRUCTION

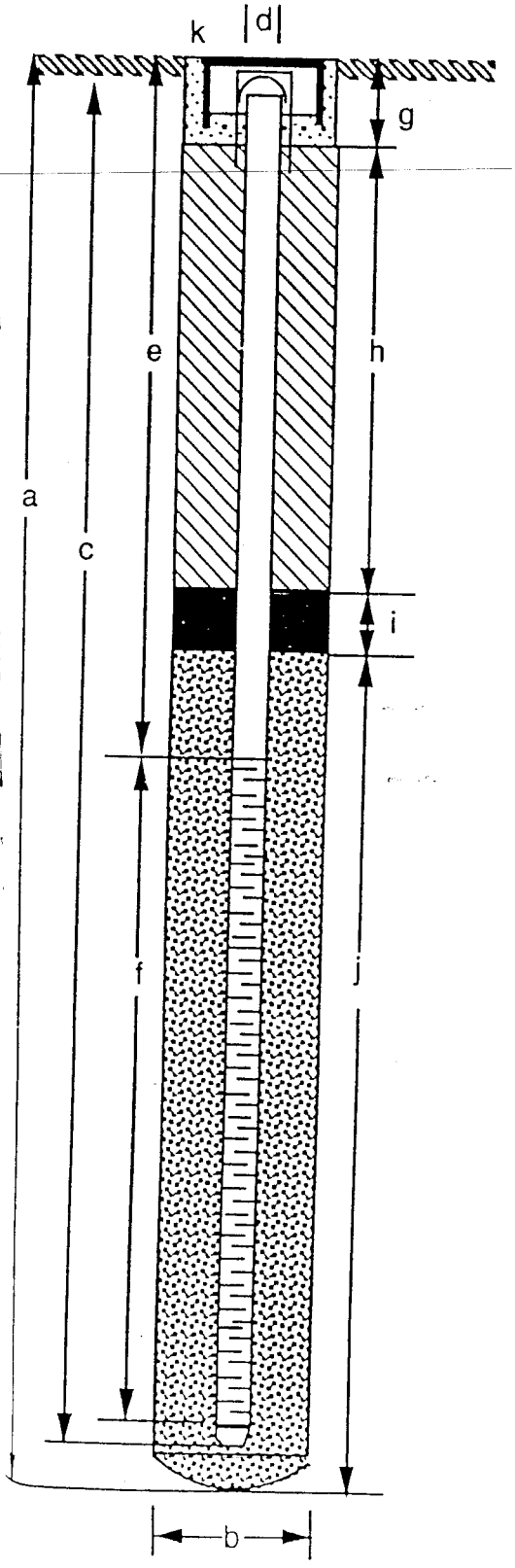
c. Casing length 14 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 9 ft.
f. Perforated length 5 ft.
Perforated interval from 14 to 9 ft.
Perforation type Machine Slot
Perforation size .020 in.
g. Surface seal 1 ft.
Seal material Concrete
h. Backfill 4 ft.
Backfill material Neat Cement Grout
i. Seal 1 ft.
Seal material Concrete
j. Gravel pack 9 ft.
Pack material #2/12 Lonestar Sand

EXCELTECH

Monitoring Well Detail

PROJECT NUMBER 330008-31
PROJECT NAME Profisient Foods
COUNTY Alameda
WELL PERMIT NO. N A

BORING / WELL NO. VW-6
TOP OF CASING ELEV. N A
GROUND SURFACE ELEV. N A
DATUM N A



EXPLORATORY BORING

a. Total depth 15 ft.
b. Diameter 2 in.
Drilling method Hollow Stem Augers

WELL CONSTRUCTION

c. Casing length 14 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 9 ft.
f. Perforated length 5 ft.
Perforated interval from 14 to 9 ft.
Perforation type Machine Slot
Perforation size .020 in.
g. Surface seal 1 ft.
Seal material Concrete
h. Backfill 4 ft.
Backfill material Neat Cement Grout
i. Seal 1 ft.
Seal material Concrete
j. Gravel pack 9 ft.
Pack material #2/12 Lonestar Sand

EXCELTECH

APPENDIX B

ANALYTICAL RESULTS
CHAIN-OF-CUSTODY
SAMPLING AND LABORATORY PROTOCOLS

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech	Client Project ID:	330008-31/Proficient Foods	Sampled: May 30, 1990
41674 Christy Street	Matrix Descript:	Soil	Received: May 31, 1990
Fremont, CA 94538	Analysis Method:	EPA 5030/8015/8020	Analyzed: Jun 13, 1990
Attention: Charles Conway	First Sample #:	005-4816	Reported: Jun 14, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
005-4816	VW2	N.D.	N.D.	0.0060	0.012	0.038
005-4817	VW4A	N.D.	N.D.	N.D.	0.0051	0.026
005-4818	VW6	N.D.	N.D.	N.D.	N.D.	0.010
005-4819	VW3	N.D.	N.D.	N.D.	N.D.	0.010
005-4820	VW5	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limits:		1.0	0.0050	0.0050	0.0050	0.0050

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

Please Note:
P.O.#330008-31-002

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

:celtech
674 Christy Street
Fremont, CA 94538
Attention: Charles Conway

Client Project ID: 330008-31/Proficient Foods
Matrix Descript: Soil
Analysis Method: EPA 3550/8015
First Sample #: 005-4816

Sampled: May 30, 1990
Received: May 31, 1990
Extracted: Jun 6, 1990
Analyzed: Jun 13, 1990
Reported: Jun 14, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
005-4816	VW2	N.D.
005-4817	VW4A	N.D.
005-4818	VW6	N.D.
005-4819	VW3	1.3
005-4820	VW5	1.4
Detection Limits:		1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

[signature]

Vickie Tague

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
330008-31	Proficient Fuels

SAMPLERS (Signature): Charles D. Conway

NO.	DATE	TIME	STATION AND LOCATION	TPH gas BTEX	TPH D
VW2,S1	5-29-90	12:40	north end of gasoline tank, middle of diesel	✓	✓
VW4A,S1	5-29-90	13:15	west end of diesel tank, middle	✓	✓
VW6,S1	5-29-90	15:06	north end of gasoline tank	✓	✓
VW3,S1	5-30-90	08:35	south of diesel tank, middle	✓	✓
VW5-S1	5-30-90	09:30	south end of gasoline tank	✓	✓

TEST REQUESTED

P.O. # 330008-31-002

LAB: Spectra

TURN AROUND TIME: Normal

REMARKS

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Charles D. Conway	5-31-90	8:55	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

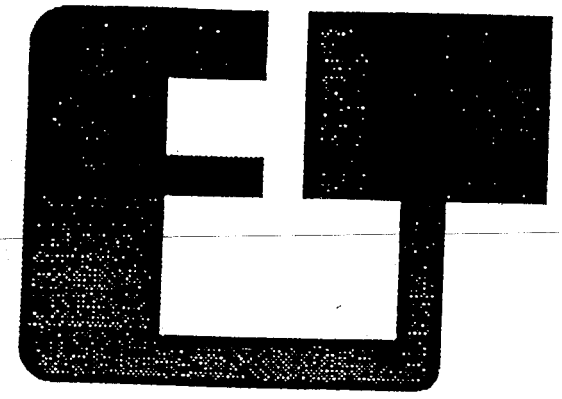
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

REMARKS:

REPORT TO: Charles Conway

FORM DATED 5-30-89

ensco environmental services, inc.
41674 Christy Street
Fremont, C.A. 94538-3114
(415) 659-0404
Fax (415) 651-4077
Conv. Lic. No. 550205



EXCELTECH

Soil Sampling Protocol

SOIL SAMPLING PROTOCOL

I. SOIL SAMPLING BY DRILLING RIG

1) Review site proposal for boring locations and special instructions. Confirm boring locations in field with client. Have Underground Service Alert (USA) mark utilities in area prior to drilling.

2) Prior to initiating an exploratory boring, all equipment to be used during drilling and sampling operation is steam cleaned. Such equipment includes, but is not limited to, augers, bits, drilling rod, samplers, and brass sampler liners. Additionally, between sampling intervals, the sampler is thoroughly cleaned with a dilute trisodium phosphate solution and rinsed with clean tap water or distilled water.

3) Each exploratory boring is drilled with a truck-mounted drilling rig using either solid flight or hollow stem augers. The boring is advanced to the desired sampling depth and the sampler is lowered to the bottom of the hole. The sampler is driven a maximum of 18 inches into the undisturbed soils ahead of the auger by a 140-pound, rig-operated hammer falling 30 inches. The number of blows required to drive the sampler the final 12 inches is recorded on the boring log. When necessary, the sampler may be pushed by the drill rig hydraulics. In this case, the pressure exerted (in pounds per square inch) is recorded. After the sampler has penetrated the full depth, it is retrieved to the surface.

4) The samplers commonly used are either a California modified sampler (3 inch or 2.5 inch O.D.) or a standard penetrometer (2 inch O.D.). The standard penetrometer does not contain sample liners and is used to determine soil strength characteristics and visually characterize the subsurface materials. If samples are collected for laboratory analysis the California modified sampler, equipped with brass liners, is used except when the analysis will include copper or zinc. In this instance, the sample should be taken with the standard penetrometer and placed in a labeled plastic bag.

Upon retrieval, the sampler is disassembled into its component parts. One or more of the liners is selected for chemical analysis. The ends of the selected liner(s) are sealed with aluminum foil or teflon tape, capped with plastic caps,

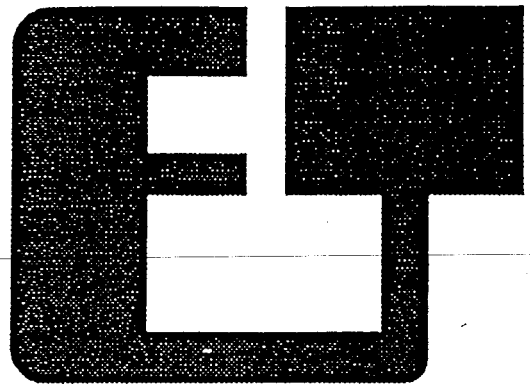
labeled, logged on chain-of-custody forms and stored in a chilled ice chest for preservation in the field and during transport to the analytical laboratory. All labels are pre-written with indelible ink to minimize handling time.

5) Samples are checked for the presence of contamination in the field by the geologist. Any discoloration or odor is noted on the boring log. Each sample is classified in the field by a geologist using the Unified Soil Classification System and a Munsell soil color chart. In addition, samples may also be field-screened with a photo ionization detector (calibrated daily) or threshold limit value sniffer. In either case, the instrument probe is held adjacent to freshly crumbled soil and the stabilized reading value is recorded on the log. Other visual screening techniques include examination of the sample under hand-lens magnification as-well-as floating sheen inspection resulting from immersion in water.

6) Samples are held in the possession of Exceltech personnel until transferred to the analytical laboratory. Transfer to the laboratory is accomplished with either delivery by Exceltech personnel, pick-up by laboratory personnel, or transfer by a personal delivery service. Each transfer of responsibility is recorded on a chain-of-custody log that accompanies the sample.

II. SOIL SAMPLING BY HAND

1) Some situations require that samples be collected by hand without the assistance of a drill rig (e.g., soil stock piles, excavation sidewall sampling, etc.). When possible, soil samples will be collected using a steel core sampler equipped with clean brass liners which is advanced into the soil with a slide hammer. In other cases, the outer surface of the soil is removed and a brass liner is driven into the soil by hand or with a hammer. To avoid damaging the liner, a block of wood is held next to the liner so that the hammer strikes the block rather than the liner. The liner is removed and handled as described above. In deep excavations where safety factors preclude the direct sampling of the bottom or side wall, soil is retrieved by a backhoe bucket and this soil is sampled.



EXCELTECH

Chain-of-Custody Program

Chain-of-Custody Program

By means of proper chain-of-custody documentation, the possession and handling of samples should be traceable from the time of collection through analysis. Any gaps in the chain-of-custody records may result in the analytical results for those samples being invalidated.

The chain-of-custody form must not be destroyed or thrown away, even if it is illegible or must be replaced because it contains errors. Any corrections made on the document must be initialed and dated. Errors on the form should be crossed out with a simple line so that the writing is still legible. No "white-out" may be used to cover mistakes. Copies of the chain-of-custody form must be made before it is transported to the laboratory so that a partial record is maintained.

The chain-of-custody form must contain the following information:

1. Project name and location.
2. Signature of collector.
3. Date and time of collection.
4. Sample identification numbers.
5. Number of containers in sample set.
6. Description of samples and containers.
7. Names (printed) and signatures of persons who assume custody of the samples and the companies or agencies they represent.
8. Inclusive dates and times of possession.
9. Requested analysis for each sample.

Custody of Samples and Sample Security

A sample is considered to be in the custody of a person if it is (1) in his or her physical possession, (2) in his or her view, or (3) secured by that person in an area restricted to authorized personnel.

Transfer of Custody

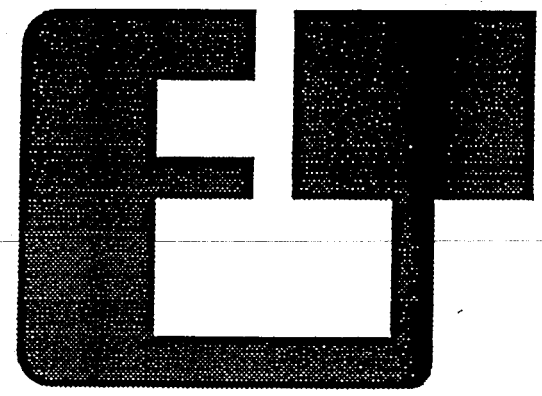
Each transfer of sample custody requires the following:

1. The name (printed) and signature of the transferee and the new custodian.
2. The name and the company or agency that each signatory represents.
3. The date and time of transfer.

The field sampler is responsible for the samples until he or she delivers them to a laboratory or transfers them to an assigned custodian at Exceltech. If the custodian is not available when the field samples arrive at Exceltech, the samples should be locked in the secure storage area. The field sampler should locate the custodian as soon as possible and properly transfer the samples.

Security of the sample storage area must be maintained at all times. The custodian must ensure that the samples are stored in a locked, refrigerated storage compartment which is secure from tampering. When a laboratory courier arrives (at the front desk only) the custodian must escort him to the locked sample storage area. The custodian will then remove the samples from the storage cabinet and properly transfer them to the courier. Two more signatures are required on the chain-of-custody form at that time. A photocopy of the form should be made then and placed in the job file. The original chain-of-custody document will accompany the samples to the laboratory. When the courier transfers custody of the samples to the laboratory, two more signatures must be added to the form.

The completed chain-of-custody document should be returned to Exceltech by the laboratory and placed in the main job file.



EXCELTECH

Vadose or Ambient Air Monitoring Protocol

VADOSE OR AMBIENT AIR MONITORING

Field check of vadose monitoring wells or ambient air is performed by Exceltech technicians. Monitoring procedures are as follows:

1. Remove well cap to aerate the well for approximately five (5) minutes (well purge process).

2. Allow sufficient warm-up time for stabilization of the vapor meter.

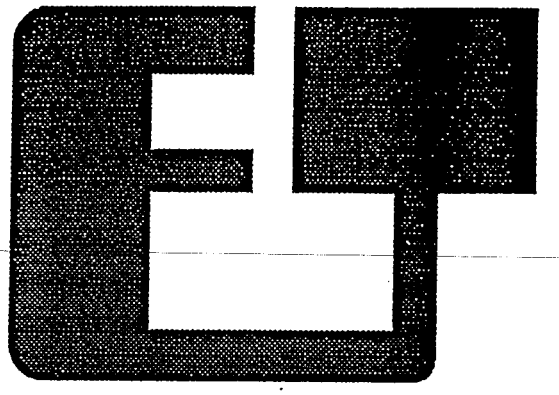
3. Calibrate vapor monitoring meter.

4. Lower probe into the well (to screen interval) or place at monitoring point, as applicable.

5. Record reading.

6. Cap well.

Current "standard" protocols do not exist for vapor monitoring, protocols will be amended as required.



EXCELTECH

Laboratory Procedures

LABORATORY PROCEDURES

Selection of the Laboratory

The laboratories selected to perform the analytical work are certified by the California State Department of Health Services as being qualified to perform the selected analyses. The selected laboratories are reviewed by Exceltech, Inc. to ensure that they are certified by the State of California and maintain an adequate quality control program

Chain-of-Custody Control

The following procedures are used during sampling and analytical activities to provide chain-of-custody control during transfer of samples from collection through delivery to the laboratories. Record keeping activities used to achieve chain-of-custody control are:

- Contact made by sampling organization with facility supervisor and laboratory prior to sampling to alert them of dates of sampling and sample delivery.
- Well location map with well identification number(s) prominently displayed.
- Field log book for documenting sampling activities in the field.
- Labels for identifying individual samples.
- Chain-of-custody record for documenting transfer and possession of samples.
- Laboratory analysis request sheet for documenting analyses to be performed.

Field Filtration of Samples

Samplers will refrain from filtering TOC, TOX or other organic compound samples as the increased handling required may result in the loss of chemical constituents of interest. Allowing the samples to settle prior to analysis followed by decanting the sample is preferable to filtration of these substances. If filtration is necessary for the determination of extractable organic compounds, the filtration should be performed in the laboratory. It may be necessary to run parallel sets of filtered and unfiltered samples with standards to establish the recovery of hydrophobic compounds when sample must be filtered. All the materials'

precautions used in the construction of the sampling train should be observed for filtration apparatus. Vacuum filtration of groundwater samples is not recommended.

Water samples for dissolved inorganic chemical constituents (e.g., metals, alkalinity and anionic species) will be filtered in the field.

Sample Containers

Sample containers vary with each type of analytical parameter. Selected container types and materials are non-reactive with the sample and the particular analytical parameter being tested. Appropriate containers for volatile organics are glass bottles of at least 40 milliliters in size fitted with teflon-faced silicon septa. Sample containers are properly cleaned and sterilized by the certified laboratory according to the EPA protocol for the individual analysis.

Sample Preservation and Shipment

Various preservatives are used by the certified laboratory to retard changes in samples. Sample shipment from Exceltech to laboratories performing the selected analyses routinely occurs within 24 hours of sample collection.

Analytical Procedures

The analysis of groundwater samples is conducted in accordance with accepted quantitative analytical procedures. The following four publications are considered the primary references for groundwater sample analysis, and the contracts with the laboratories analyzing the samples stipulate that the methods set out in these publications be used. Please note that procedures used are periodically updated by federal and state agencies, and the certified laboratories amend analysis as required by the update.

- Standard Methods for the Examination of Water and Wastewater, 16th Ed., American Public Health Association, et al., 1985.
- Methods for Chemical Analysis of Water and Wastes, U.S. EPA, 600/4-79-020, March 1979.
- Test Methods for Evaluation of Solid Waste; Physical/Chemical Methods, U.S. EPA SW-846, 1982.
- Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, EPA, 600/4-82-057, 1982.

GERAGHTY & MILLER, INC.
Environmental Services

(52) cc: Greg Smith 10-24-95

A **Heidemij** company

August 30, 1995
Project No. RC0322.001

Mr. Richard H. Vetter
Moore & Van Allen
One Hanover Square, Suite 1700
P.O. Box 26507
Raleigh, North Carolina 27611

SUBJECT: Results of Subsurface Investigation at Proficient Food Company, 5675 Sunol Boulevard, Pleasanton, California.

Dear Mr. Vetter:

This letter documents the results of groundwater monitoring well installation and groundwater monitoring and sampling activities conducted at the Proficient Food Company (PFC) site referenced above (Figure 1). The scope of work for these activities was presented in a Geraghty & Miller, Inc. (Geraghty & Miller) document dated July 31, 1995. The objective of these activities was to determine if petroleum hydrocarbons have affected soil and groundwater in the vicinity of the former underground storage tanks (USTs).

BACKGROUND

Background information was provided in a report presenting the results of a Phase I Environmental Site Assessment performed by Garrett Consulting Inc. (GCI) on June 6, 1995. The subject site is located approximately 1 mile south of downtown Pleasanton at 5675 Sunol Boulevard. Structures on the site include 84,000 square feet of warehouse and office space, and a truck and trailer maintenance shop (Figure 2). The property is currently used as a warehouse and distribution center for Denny's restaurant products (GCI, June 1995).

Two 20,000-gallon gasoline and one 6,000-gallon diesel USTs were installed in 1983 (GCI, June 1995). In May 1990, Exceltech drilled 8 soil borings near the fuel tanks. Due to physical obstructions, Soil Borings VW-1, VW-1A, and VW-4 (Figure 3) were abandoned and sealed. Exceltech installed and collected soil samples from 5 of the 8 soil borings (VW-2, VW-3, VW-4A, VW-5, and VW-6) at the locations presented in Figure 3. Those soil borings were converted to 2-inch diameter vadose wells. The wells were installed to monitor gases from beneath the USTs and from the overlying backfill material. TPH as gasoline and benzene were not detected in soil samples collected from those borings. Low levels of TPH as diesel,

1050 Marina Way South • Richmond, California 94804 • (510) 233-3200 • FAX (510) 233-3204

toluene, ethylbenzene, and xylenes were detected in selected soil samples collected from those borings (Exceltech, June 29, 1990).

In November 1990, a 500-gallon motor-oil UST and one 600-gallon waste-motor-oil UST (dates of installation unknown) were removed. Closure efforts resulted in a no-further-corrective-action status from the regulatory agency in 1991 (GCI, June 1995).

In April 1995, an inspection by the Pleasanton Fire Department identified deficiencies in monitoring and record-keeping of PFC's UST leak-detection monitoring and inventory control (GCI, June 1995).

On June 6, 1995, GCI performed a Phase I ESA at the site. The ESA included an on-site inspection, a review of maps, historical data, previous UST-closure and soil-investigation reports, and title. GCI concluded in the ESA that the overall site environmental liability rating was moderate (GCI, June 1995).

FIELD ACTIVITIES

DRILLING, WELL INSTALLATION, AND SOIL SAMPLING

Prior to field activities, groundwater monitor well installation permit #95492 was obtained from the Alameda County Flood Control and Water Conservation District, Zone 7. A site-specific health and safety plan was prepared and was onsite for reference by Geraghty & Miller personnel during the field work. Underground Service Alert (U.S.A.) was notified of the impending drilling before the field work. U.S.A. delineated off-site utilities near the proposed boring locations. Additionally, a private utility locator was contracted to delineate subsurface obstructions at each boring location.

On August 14 and 15, 1995, three exploratory borings (MW-1 through MW-3) were drilled at the approximate locations shown in Figure 3. Boring MW-1 was installed adjacent to the active USTs and pump island. Borings MW-2 and MW-3 were installed adjacent to the former waste-oil tank and former new-motor-oil tank, respectively.

All equipment that entered the borehole was steam cleaned prior to drilling each boring. The borings were drilled using 8-inch diameter hollow-stem auger drilling equipment. The soils encountered during drilling were classified and described according to the Unified Soil Classification System (ASTM D-2488). Soil Borings MW-1 through MW-3 were drilled to

total depths of 26 feet below ground surface (bgs). The exploratory boring logs and well-construction details are presented in Attachment 1. Each well was secured with a watertight cap and bolt-down watertight well cover.

Soil samples were collected at 5-foot intervals during drilling. The samples were retained in brass liners, sealed with Teflon™ tape and plastic end caps, placed on ice, and delivered to Sequoia Analytical (Sequoia) of Walnut Creek, California, along with appropriate chain-of-custody documentation. Soil samples collected from Borings MW-1 through MW-3 at depths of 5 feet and 10 feet bgs were analyzed for total petroleum hydrocarbons (TPH) as gasoline, TPH as diesel, and TPH as motor oil (USEPA Method 8015, modified), and volatile organic compounds (VOCs; USEPA Method 8240). These samples were analyzed to characterize the vadose soil in the vicinity of each respective soil boring.

Borings MW-1 through MW-3 were completed for use as groundwater monitoring wells. The well-completion procedure included backfilling the borehole with #2/12 sand from the total depth explored (26 feet bgs) to a depth of 25 feet bgs, and then installing 2-inch diameter Schedule 40 polyvinylchloride (PVC) casing. The casing/borehole annulus was then filled with #2/12 Lonestar™ sand to a depth of 2 feet above the top of the screened portion of the casing. A 2-foot seal of bentonite pellets was placed on top of the sand pack. The remainder of the annulus was completed with a cement grout.

The soil generated during drilling was placed on and covered by plastic and retained onsite for proper disposal by PFC. Four discrete samples were collected from the stockpiled soil by advancing a brass liner into the soil. The soil was retained in the brass liner, sealed with Teflon™ tape and plastic end caps, and transported to Sequoia along with chain-of-custody documentation. The samples were composited in the laboratory into one sample and analyzed for TPH as gasoline, TPH as diesel, and TPH as motor oil (USEPA Method 8015, modified), and VOCs (USEPA Method 8240.

MONITOR WELL DEVELOPMENT, MONITORING, AND SAMPLING

The development of Wells MW-1 through MW-3 and initial groundwater sampling were performed on August 16, 1995. Before sampling, depth-to-water-measurements were obtained, and each well was checked for the presence of liquid-phase petroleum hydrocarbons (LPH) using an oil/water interface probe. LPH were not detected in Monitor Wells MW-1 through MW-3. A summary of field data is presented in Table 1. Well-survey data used to calculate the groundwater elevations are included in Attachment 2.

Monitor Wells MW-1 through MW-3 were developed by purging each well of 3.4, 1.5, and 3.7 casing volumes of water, respectively. Due to low groundwater yields, the conventional minimum of four casing volumes of water was not purged from each well during development. All equipment that entered the wells was washed in a solution of phosphate-free detergent and water, and triple-rinsed in deionized water. The purged water was stored onsite in DOT-approved 55-gallon drums pending disposal by PFC.

Following purging, groundwater samples were collected using a disposable, polyethylene bailer. A new bailer was used for each well. Groundwater samples for laboratory analysis were collected into appropriate USEPA-approved containers, placed on ice, and transported to Sequoia, along with appropriate chain-of-custody documentation. Groundwater samples were analyzed for TPH as gasoline, TPH as diesel, and TPH as motor oil (USEPA Method 8015, modified), and VOCs (USEPA Method 8240). A summary of the groundwater analytical results is presented in Table 2.

On August 23, 1995, Geraghty & Miller collected confirmatory depth-to-groundwater measurements from Monitor Wells MW-1 through MW-3. On that date Geraghty & Miller also checked Vadose Well VW-4A for the presence of and depth to groundwater.

On August 24, 1995, the locations of the wells, along with the TOC and ground-surface elevations relative to mean sea level were surveyed by Field Designs, of Richmond, California, a State-licensed surveyor.

RESULTS

HYDROGEOLOGIC CONDITIONS

Soils encountered during the installation of Wells MW-1 through MW-3 and the eight soil borings previously installed by Exceltech include fill materials, clays (predominantly between grade and 15 feet bgs), silts, sands, and gravels to a depth of approximately 26 feet bgs, the total depth explored.

On August 14 and 15, 1995, the depth to groundwater encountered during the installation of Monitor Wells MW-1 through MW-3 was approximately 15 feet bgs. On August 16, 1995, the depth to water in Monitor Wells MW-1 through MW-3 was approximately 9 feet below top of casing (TOC) (Table 1). On August 23, 1995, depth-to-

water measurements in Monitor Wells MW-1 through MW-3, and Vadose Well VW-4A were approximately 9 feet below TOC (Table 1).

Based on the groundwater elevations measurements collected on August 16, 1995, the groundwater-flow direction is generally towards the west/northwest with a gradient of approximately 0.007.

LABORATORY ANALYTICAL RESULTS

Soil

A summary of the laboratory analytical results of the soil samples collected from Wells MW-1 through MW-3, and from the stockpiled soil, is presented in Table 3. Copies of the certified analytical results and chain-of-custody documents are presented in Attachment 3. TPH as gasoline, constituents of BTEX, and VOCs were not detected in soil samples collected from Wells MW-1 through MW-3 and the stockpiled soil. TPH as diesel was not detected in soil samples collected from Well MW-2. TPH as diesel was detected in soil samples collected from Wells MW-1 (5 feet bgs), MW-3 (5 feet bgs), and the soil stockpile at concentrations of 3.0 mg/kg, 5.2 mg/kg, and 3.1 mg/kg, respectively. Motor oil was detected in soil samples collected from Well MW-1 (5 feet bgs), MW-3 (5 feet bgs), and the soil stockpile at concentrations of 25 mg/kg, 35 mg/kg, and 62 mg/kg, respectively.

It should be noted that the hydrocarbons detected in the TPH-as-diesel analyses were reported to be unidentified hydrocarbons within the C20 to C22 range. Given that motor oil was detected in those same soil samples, it is likely that those unidentified petroleum hydrocarbons represent motor oil and not diesel fuel.

Groundwater

A summary of the laboratory analytical results of the groundwater samples collected on August 16, 1995, is presented as Table 2. Copies of the certified analytical results and chain-of-custody documents are presented in Attachment 3. TPH as gasoline, TPH as diesel, benzene, toluene, ethylbenzene, and motor oil were not detected in the groundwater samples. Xylenes were not detected in groundwater samples collected from Monitor Wells MW-1 and MW-3. Xylenes were detected in groundwater samples collected from Monitor Well MW-2 at a concentration of 0.54 microgram per liter (µg/L). VOCs were not detected in groundwater samples collected from Monitor Well MW-1. Acetone and chloroform were detected in groundwater samples collected from Monitor Well MW-2 at concentrations of 16 µg/L and 3.2

µg/L, respectively. Tetrachloroethene (PCE) was detected in groundwater samples collected from Monitor Well MW-3 at a concentration of 8.6 µg/L.

Potential Sources of Dissolved Volatile Organic Compounds

PCE is a compound commonly used in garment dry-cleaning operations. PCE, chloroform, and acetone are all compounds sometimes used as solvents and degreasing agents. Acetone is sometimes used to prepare glassware for laboratory analysis. Therefore, it is possible that the groundwater samples were contaminated by acetone during laboratory analysis. Chloroform has also been identified as a compound that can contaminate samples during laboratory analysis (Sequoia, August 30, 1995). However, Sequoia made no indication in the laboratory report that chloroform and acetone were detected during analysis of a batch blank sample (analyzed during quality-assurance/quality-control procedures).

Potential sources of the dissolved PCE, chloroform, and acetone are the waste-oil and motor-oil tanks located adjacent to Monitor Wells MW-2 and MW-3, respectively. However, VOCs were not detected in vadose soil samples collected during the installation of those wells. Given the limited subsurface data available at this time, the source of the dissolved VOCs cannot be determined.

Geraghty & Miller appreciates the opportunity to be of service to Moore & Van Allen. If you have any questions regarding this project, please do not hesitate to call the undersigned at (510) 233-3200.

Sincerely,
GERAGHTY & MILLER, INC.

Darryl Snow
Staff Geologist/Project Manager

Jeffrey W. Hawkins, R.G.
Senior Scientist

Gary W. Keyes
Principal Engineer/Associate
Richmond, California Office Manager

Attachments: References

Table 1	Summary of Depth-to Water and Product-Thickness Data
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Table 3	Soil Analytical Results
Figure 1	Site Location Map
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Figure 4	Groundwater Elevation Contour Map
Attachment 1	Boring Logs
Attachment 2	Well Survey Data
Attachment 3	Copies of Certified Analytical Reports and Chain-of-Custody Documentation

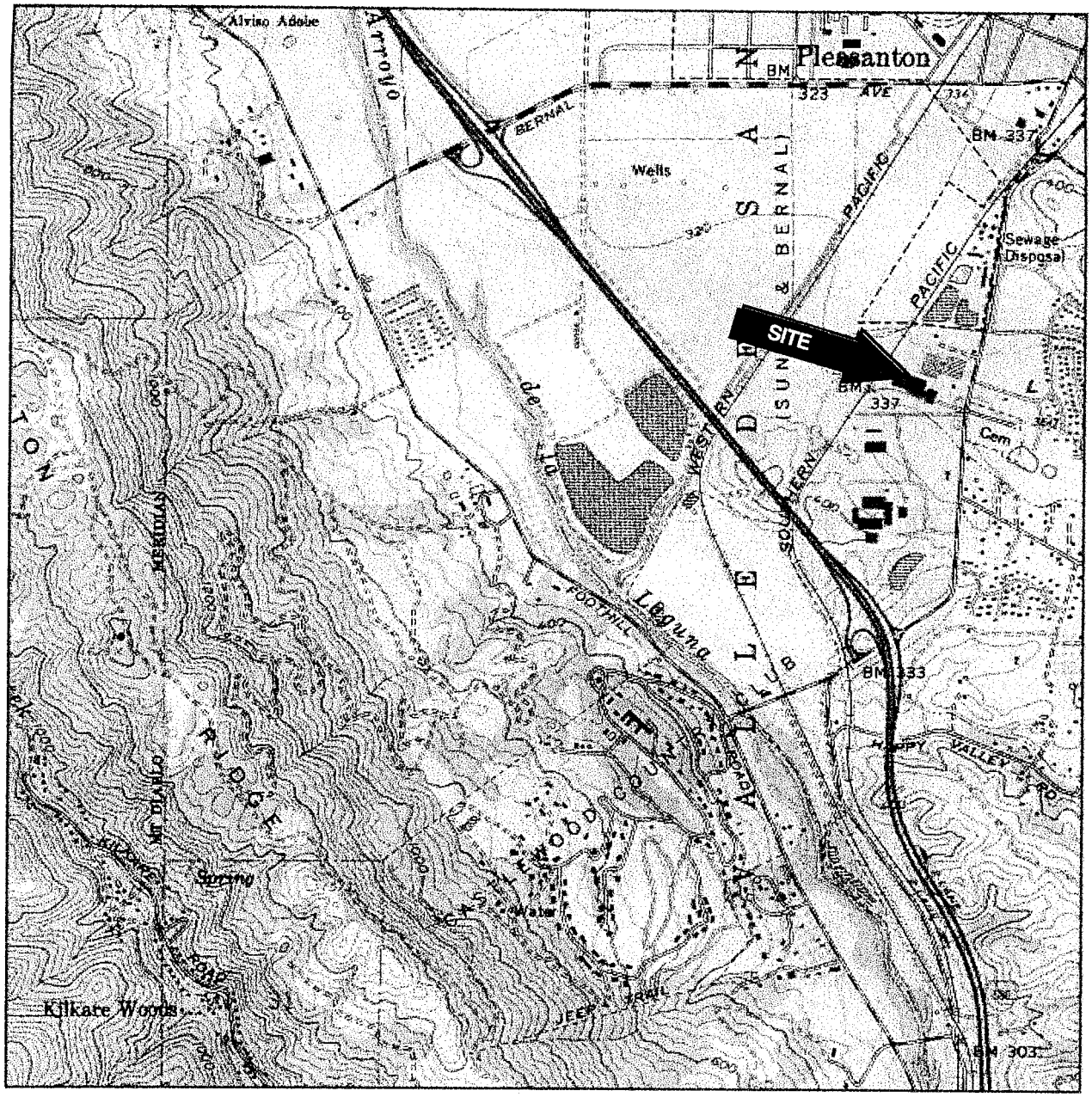
cc: Charles A. Patrizia, Attorney (Paul, Hastings, Janofski & Walker)
Martha J. Waller, Attorney (Parker, Poe, Adams & Bernstein)

REFERENCES

Exceltech. June 29, 1990. Vadose Well Installation Report, Proficient Foods Company, 5675 Sunol Boulevard, Pleasanton, California.

Garrett Consulting, Inc. June 1995. Phase I Environmental Site Assessment Report, Proficient Foods Company, 5675 Sunol Boulevard, Pleasanton, California.

Sequoia Analytical, Inc. August 30, 1995. Telephone conversation between Darryl Snow of Geraghty & Miller and Ken Wimer of Sequoia.



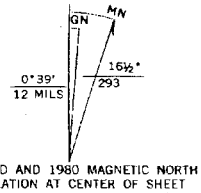
SCALE 1:24 000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 40 FEET



UTM GRID AND 1980 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Reference: U.S.G.S. 7.5-minute Quadrangle Dublin, California, photorevised 1980.

GERAGHTY & MILLER, INC.
Environmental Services
A **Heidemij** Company

Project No. RC0322.000

SITE LOCATION MAP
Proficient Food Company
5675 Sunol Boulevard
Pleasanton, California

FIGURE
1

Table 1: Summary of Depth-to-Water and Product-Thickness Data
Proficient Food Company
5675 Sunol Boulevard, Pleasanton, California

Well	Date	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Top of Casing Elevation	Top of Water Elevation
MW-1	16-Aug-95	8.58	-	-	339.81	331.23
	23-Aug-95	8.75	-	-	339.81	331.06
MW-2	16-Aug-95	9.16	-	-	340.05	330.89
	23-Aug-95	9.45	-	-	340.05	330.60
MW-3	16-Aug-95	9.22	-	-	340.19	330.97
	23-Aug-95	9.71	-	-	340.19	330.48

- No liquid-phase hydrocarbons detected

Table 2: **Groundwater Analytical Results**
Proficient Food Company
5675 Sunol Boulevard
Pleasanton, California

Boring Number	Date Sampled	TPH-G (µg/L) (a)	TPH-D (µg/L) (a)	Benzene (µg/L) (a)	Toluene (µg/L) (a)	Ethylbenzene (µg/L) (a)	Xylenes (µg/L) (a)	VOCs (µg/L) (b)	Motor Oil (µg/L) (a)
MW-1	16-Aug-95	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<50)
MW-2	16-Aug-95	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	0.54	(c)	ND(<50)
MW-3	16-Aug-95	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	(d)	ND(<50)

(a) TPH-G, TPH-D, BTEX, and motor oil analyzed by USEPA Method 8015, modified.
(b) VOCs analyzed by USEPA Method 8240.
(c) Laboratory analysis detected acetone at 16 µg/L and chloroform at 3.2 µg/L.
(d) Laboratory analysis detected tetrachloroethylene at 8.6 µg/L.

TPH-G Total petroleum hydrocarbons as gasoline
TPH-D Total petroleum hydrocarbons as diesel
VOCs Volatile organic compounds
NA Not analyzed
ND Not detected
µg/L Micrograms per liter

Laboratory results from Sequoia Analytical, Walnut Creek, California.

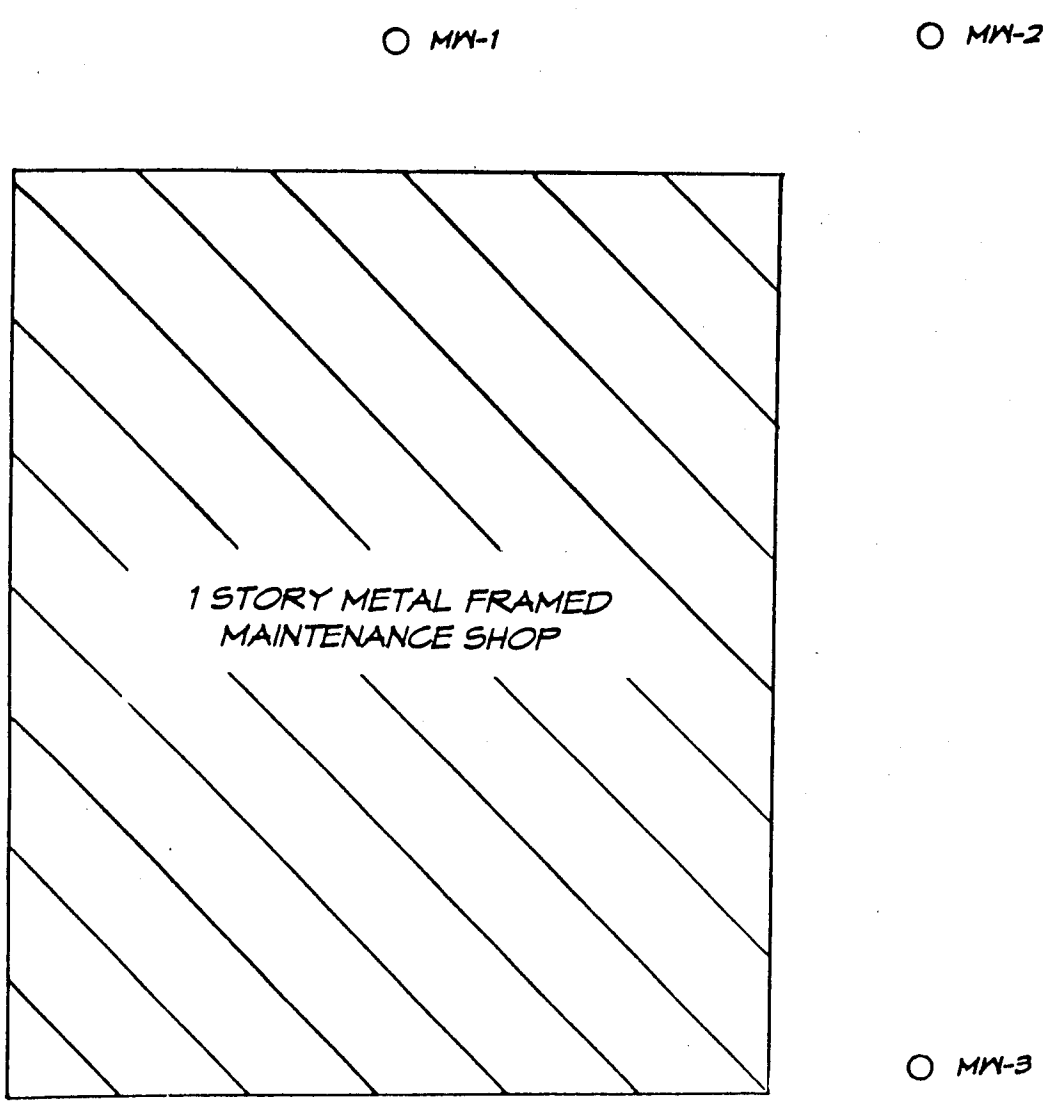
Table 3: **Soil Analytical Results**
Proficient Food Company
5675 Sunol Boulevard
Pleasanton, California

Boring Number	Date Sampled	Sample Depth (feet)	TPH-G (mg/kg) (a)	TPH-D (mg/kg) (a)	Benzene (mg/kg) (a)	Toluene (mg/kg) (a)	Ethylbenzene (mg/kg) (a)	Xylenes (mg/kg) (a)	VOCs (mg/kg) (b)	Motor Oil (mg/kg) (a)
MW-1	14-Aug-95	5	ND(<1.0)	3.0 (c)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND	25
	14-Aug-95	10	ND(<1.0)	ND(<1.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND	ND(<1)
MW-2	14-Aug-95	5	ND(<1.0)	ND(<1.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND	ND(<1)
	14-Aug-95	10	ND(<1.0)	ND(<1.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND	ND(<1)
MW-3	15-Aug-95	5	ND(<1.0)	5.2 (c)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND	35
	15-Aug-95	10	ND(<1.0)	ND(<1.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND	ND(<1)
Stockpile	15-Aug-95		ND(<1.0)	3.1 (c)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND	62

(a) TPH-G, TPH-D, BTEX, and motor oil analyzed by USEPA Method 8015, modified.
(b) VOCs analyzed by USEPA Method 8240.
(c) Unidentified hydrocarbons reported greater than C20.

TPH-G Total petroleum hydrocarbons as gasoline
TPH-D Total petroleum hydrocarbons as diesel
VOCs Volatile organic compounds
NA Not analyzed
ND Not detected
mg/kg Milligrams per kilogram

Laboratory results from Sequoia Analytical, Walnut Creek, California.



EXPLANATION

○ GROUND-WATER MONITOR WELL

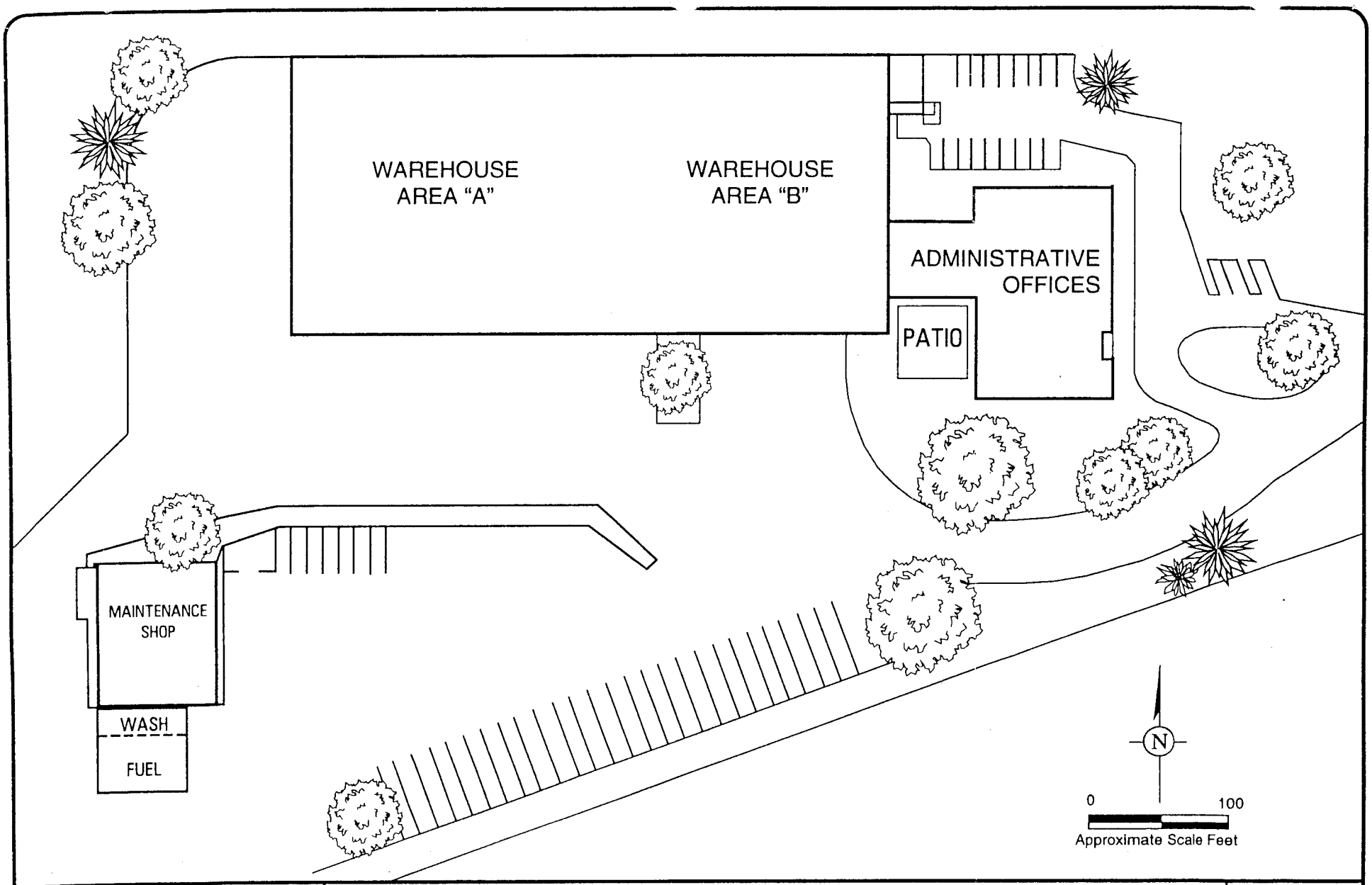
RELATIVE WELL LOCATION

Proficient Food Company
5675 Sunol Boulevard
Pleasanton, California

PREPARED BY: FIELD DESIGNS

SCALE: 1" = 20"

DATE: 08/25/95

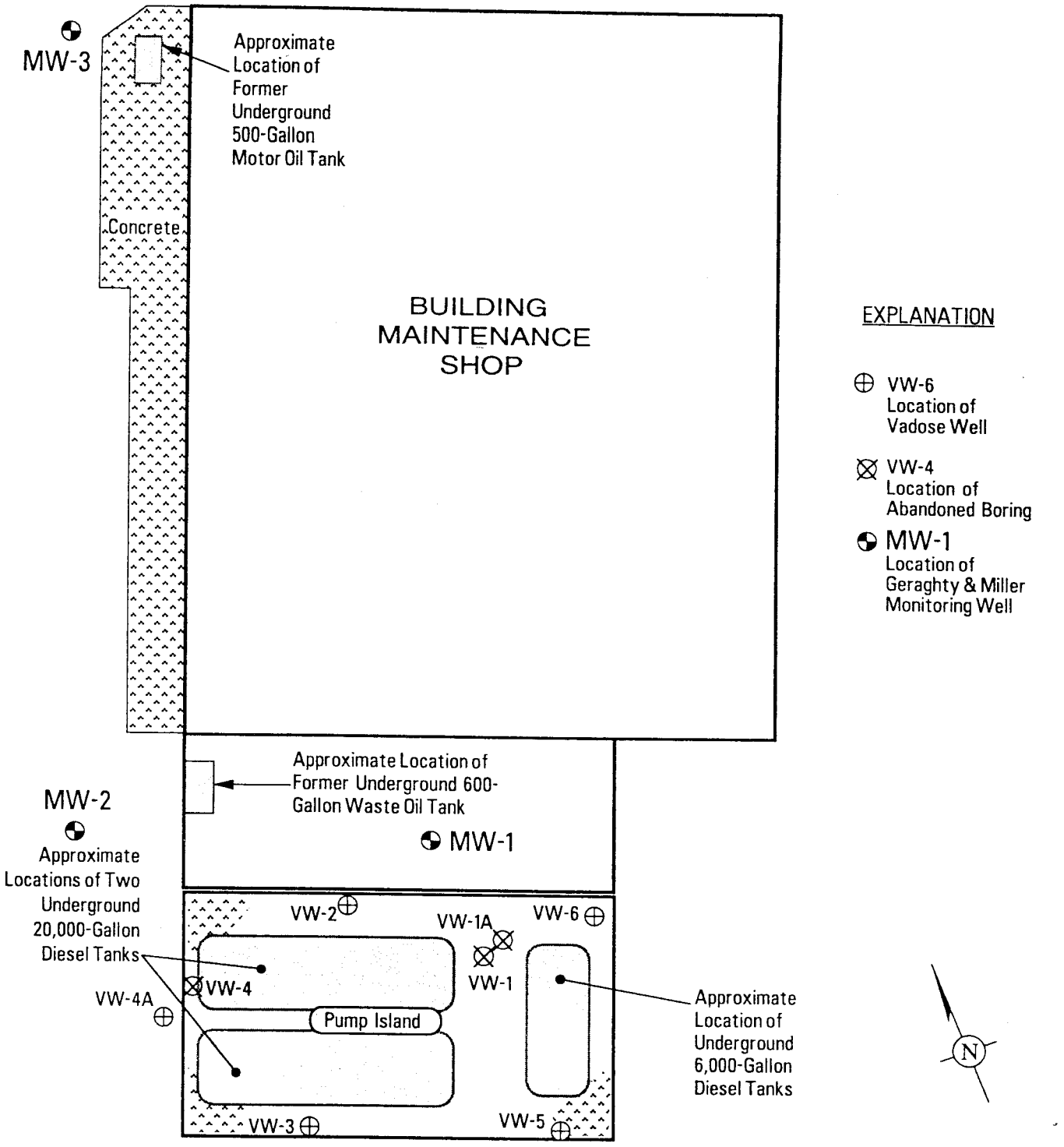


GERAGHTY & MILLER, INC.
Environmental Services
A Heidemij Company

Project No. RC0322.001

SITE PLAN
Proficient Food Company
5675 Sunol Boulevard
Pleasanton, California

FIGURE
2

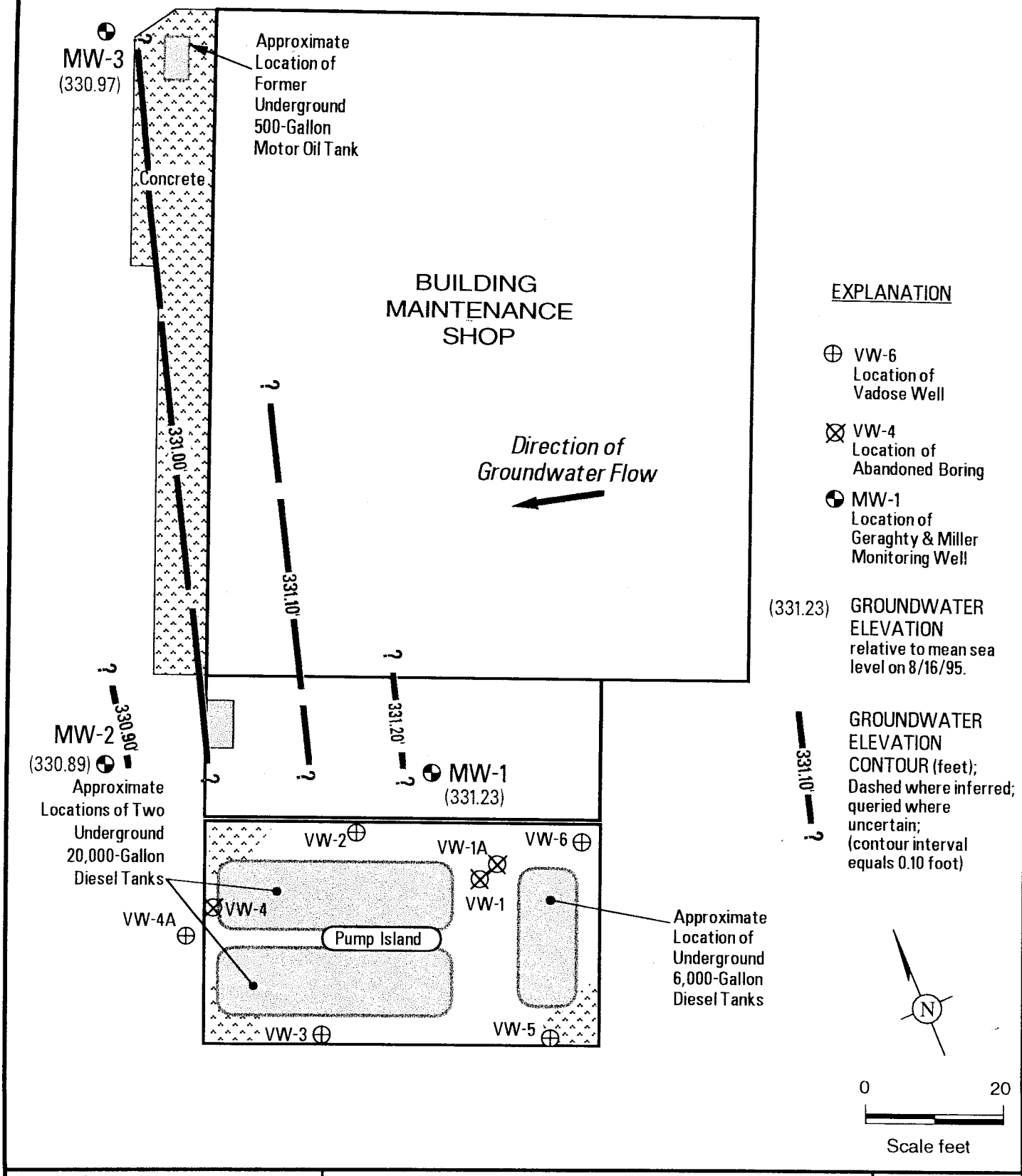


GERAGHTY & MILLER, INC.
Environmental Services
A Heidemij Company

Project No. RC0322.001

WELL LOCATION MAP
Proficient Food Company
5675 Sunol Boulevard
Pleasanton, California

FIGURE
3



GERAGHTY & MILLER, INC.
Environmental Services
A **Heidemij** Company

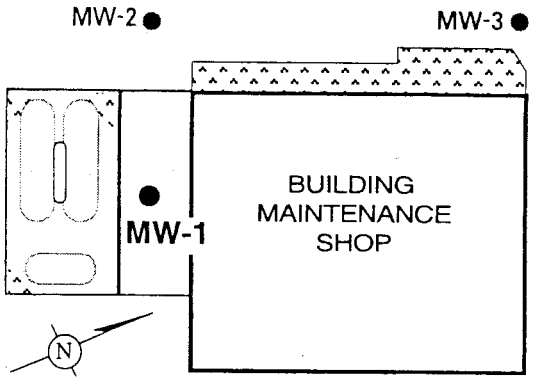
Project No. RC0322.001

GROUNDWATER ELEVATION CONTOUR MAP
Proficient Food Company
5675 Sunol Boulevard
Pleasanton, California

FIGURE
4

ATTACHMENT 1

BORING LOGS

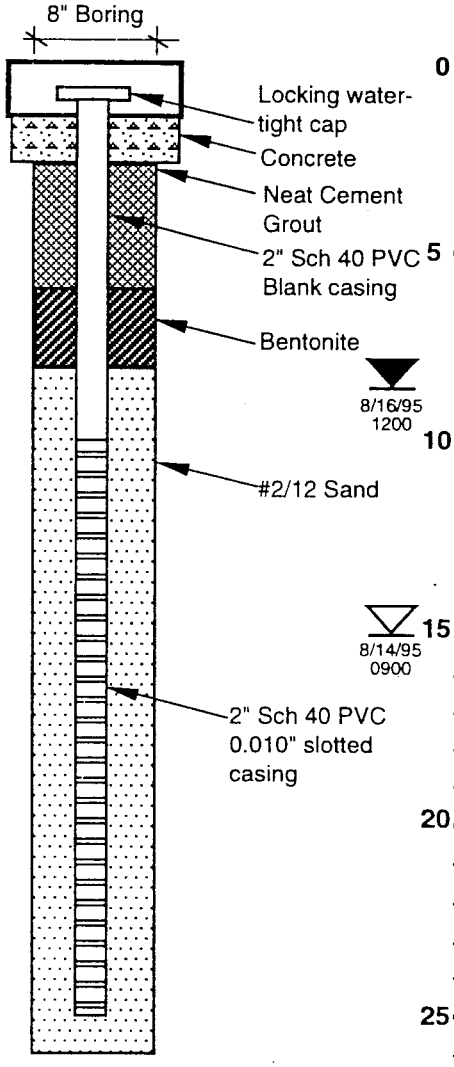


LOG OF BORING MW-1
Proficient Food Company
5675 Sunol Boulevard
Pleasanton, California

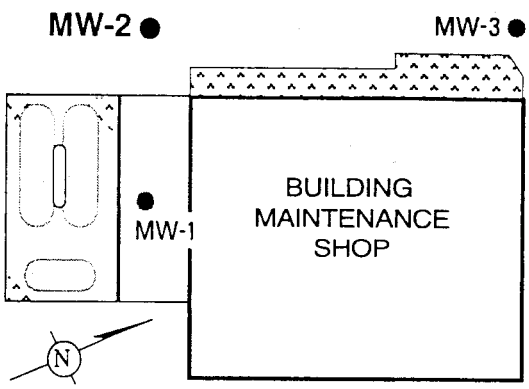
Project No.: RC0322.001
Logged By: Robert Vassar
Drilling Co.: West Hazmat
Driller: Jeff Smith

Date Drilled: August 14, 1995
Drilling Method: 8" Hollow Stem Auger
Sampling Method: 2" Split spoon
Driller's License: 554979

WELL CONSTRUCTION



Depth (ft.)	Blows/ft.	PID	Samples	Graphic	DESCRIPTION
					Surface Elevation: 340.27' Casing Elevation: 339.81'
0					CONCRETE
					GRAVEL FILL
5	20				CLAY (CL); black (2.5YR N2.5); 80-90% fines; 10-15% gravel; very stiff; moist.
10	17				
15	17				CLAYEY SILT (ML); olive brown (2.5YR 4/4); 60% silt; 35-40% clay; trace sand; trace gravel; very stiff.
20	19				@ 20 feet: wet.
					@ 22 feet: Gravelly Silt; light olive brown (2.5Y 5/6); 60-65% silt; 35-40% gravel; medium dense.
25	28				
					Total Depth Explored: 26 Feet Time: 1000 Date: 8/14/95
30					

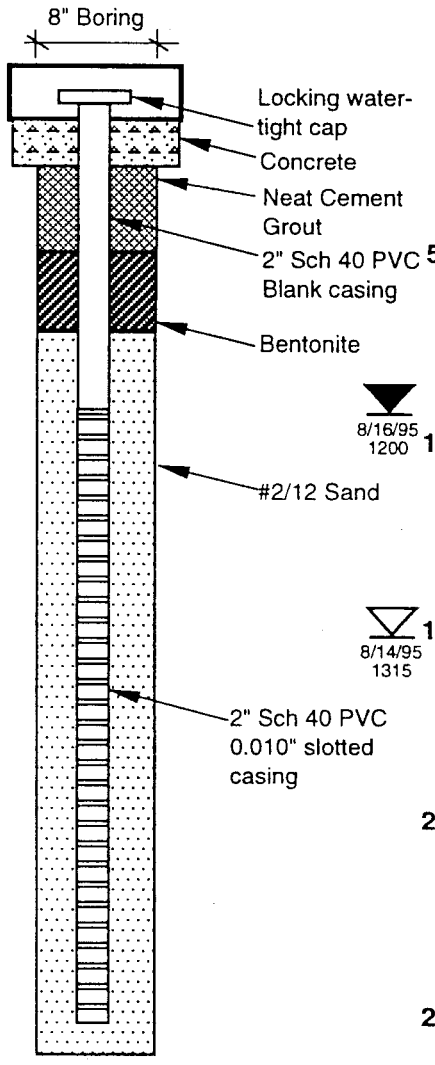


LOG OF BORING MW-2
Proficient Food Company
5675 Sunol Boulevard
Pleasanton, California

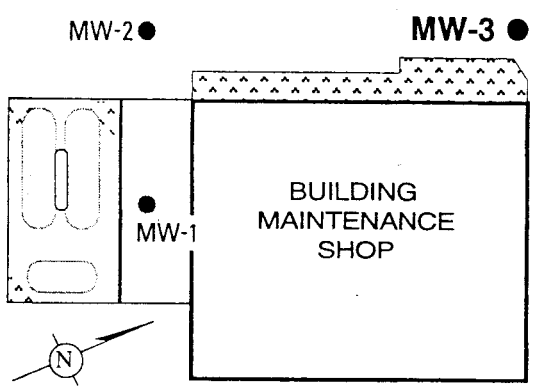
Project No.: RC0322.001
Logged By: Robert Vassar
Drilling Co.: West Hazmat
Driller: Jeff Smith

Date Drilled: August 14, 1995
Drilling Method: 8" Hollow Stem Auger
Sampling Method: 2" Split spoon
Driller's License: 554979

WELL CONSTRUCTION



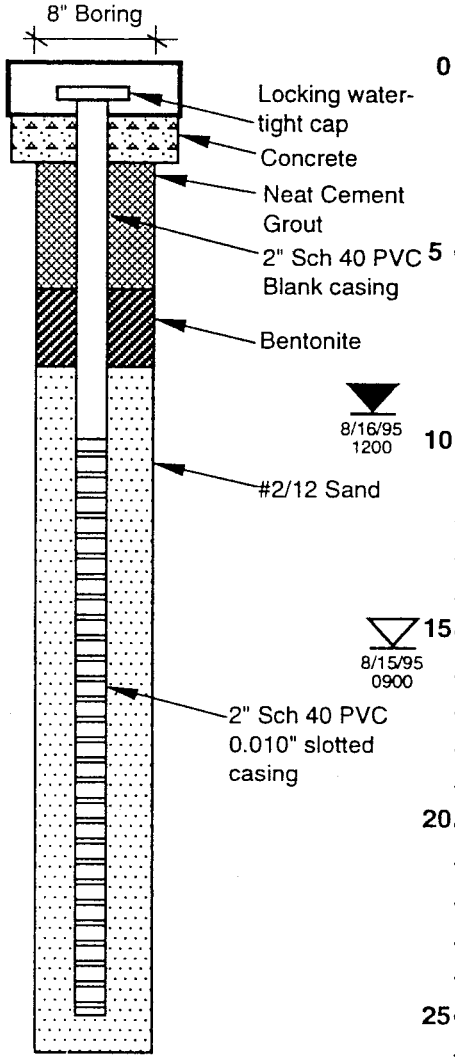
Depth (ft.)	Blows/ft.	PID Samples	Graphic	DESCRIPTION
				Surface Elevation: 340.23'
				Casing Elevation: 340.05'
0				ASPHALT
5	14			CLAY (CL); black (2.5YR N2.5); 80-90% fines; 5% sand; trace gravel; stiff; moist.
10	11			@ 10 feet: olive brown (2.5YR 4/4); 90-100% fines; trace gravel; trace sand; moist.
15	38			SILTY SAND (SM); olive brown (2.5YR 4/4); 60-65% sand; 35-40% fines; medium dense; wet.
20	35			@ 20 feet: light olive brown (2.5YR 5/4); 90% coarse sand; 5-10% gravel; trace fines; medium dense; wet.
25	50+			@ 25 feet: very dense.
30				Total Depth Explored: 26 Feet Time: 1352 Date: 8/14/95

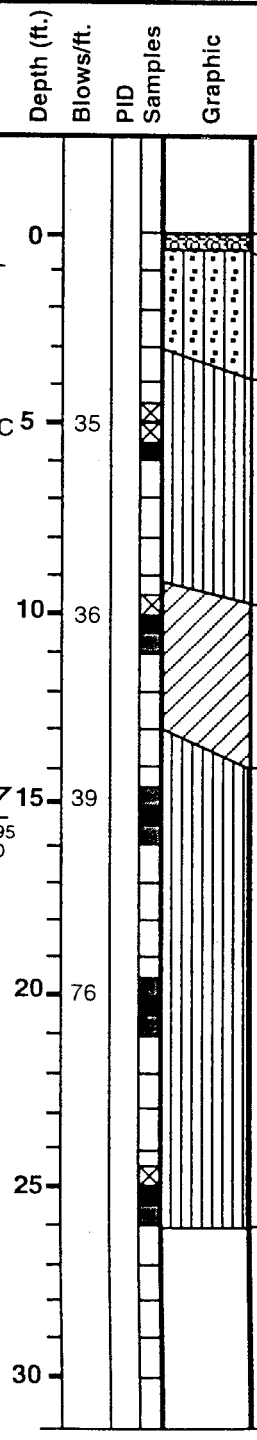


LOG OF BORING MW-3
Proficient Food Company
5675 Sunol Boulevard
Pleasanton, California

Project No.: RC0322.001
Logged By: Robert Vassar
Drilling Co.: West Hazmat
Driller: Jeff Smith

Date Drilled: August 15, 1995
Drilling Method: 8" Hollow Stem Auger
Sampling Method: 2" Split spoon
Driller's License: 554979





Surface Elevation: 340.61'
Casing Elevation: 340.19'

0 ft — ASPHALT

SILTY FILL

5 ft — SILT (ML); olive brown (2.5YR 4/4); 95% fines; trace sand; dry; hard. (35)

10 ft — CLAY (CL); very dark grayish brown (2.5Y 3/2); 90-95% fines; trace medium-grained sand; moist; hard. (36)

15 ft — GRAVELLY SILT (ML); reddish brown (5YR 4/4); 60-70% fines; 30-40% fine gravel; iron oxide staining; roots; hard; wet. (39)

20 ft — @ 22 Feet: Silt; yellow (2.5Y 6/6); 80-85% fines; 10-15% fine-grained sand; trace gravel; trace charcoal; hard; wet. (76)

25 ft

Total Depth Explored: 26 Feet
Time: 0942 Date: 8/15/95

30 ft

KEY TO BORING LOG SYMBOLS

UNIFIED SOIL CLASSIFICATION SYSTEM - ASTM D2488

MAJOR DIVISIONS			SYMBOL/ GRAPHIC	DESCRIPTIONS
COARSE GRAINED SOILS (>50% by weight larger than #200 sieve)	GRAVELS (More than 50% of coarse fraction is larger than the #4 sieve size.)	Clean gravels with little or no fines	GW	Well Graded Gravels, Gravel - Sand Mixtures
			GP	Poorly Graded Gravels, Gravels - Sand Mixtures
		Gravels with over 12% fines	GM	Silty Gravels, Poorly Graded Gravel - Sand - Silt Mixtures
			GC	Clayey Gravels, Poorly Graded Gravel - Sand - Clay Mixtures
	SANDS (More than 50% of coarse fraction is smaller than #4 sieve size.)	Clean sands with little or no fines	SW	Well Graded Sands, Gravelly Sands
			SP	Poorly Graded Sands, Gravelly Sands
		Sands with over 12% fines	SM	Silty Sands, Poorly Graded Sand - Silt Mixtures
			SC	Clayey Sands, Poorly Graded Sand - Clay Mixtures
FINE GRAINED SOILS (>50% smaller than #200 sieve)	SILTS AND CLAYS (liquid limit less than 50)		ML	Inorganic Silts and Very Fine Sands, Silty or Clayey Fine Sands
			CL	Inorganic Clays of Low to Medium Plasticity; Gravelly, Sandy or Silty Clays; Lean Clays
			OL	Organic Clays and Organic Silty Clays of Low Plasticity
	SILTS AND CLAYS (liquid limit greater than 50)		MH	Inorganic Silts, Micaceous or Diatomaceous Fine Sandy or Silty Soils, Elastic Silts
			CH	Inorganic Clays of High Plasticity, Fat Clays
			OH	Organic Clays of Medium to High Plasticity, Organic Silts
HIGHLY ORGANIC SOILS			Pt	Peat and other Highly Organic Soils

Stabilized water level (date)

Water level encountered during drilling

Shaded interval represents soil sample. Blackened interval indicates portion of sample prepared for laboratory analysis.

Indicates no recovery of sample

Monitoring well

Soil boring

	Asphaltic Concrete
	Portland Cement Concrete
	Cement Grout

PID Photo-ionization detector readings (ppmv)

FID Flame-ionization detector readings (ppmv)

EXP Gastech explosimeter readings (ppmv)

ATTACHMENT 2

WELL SURVEY DATA

GROUND AND CASING ELEVATIONS

JOB #: RC0322.002 **DATE:** 08/24/95

DATUM: CITY OF PLEASANTON DATUM

ELEVATION: 361.92

CORRECTION TO M.S.L.: NONE

CORRECTED DATUM:

WELL #	ELEV.@ GROUND	ELEV. ON TOP CASING
MW-1	340.27 (CONC.)	339.81
MW-2	340.23 (AC)	340.05
MW-3	340.61 (AC)	340.19

File: PFC1.CR5

POINT	NORTHING	EASTING	ELEVATION	NOTE
1	1000.0000	5000.0000	345.3500	WP1 PK IN AC
2	1631.2610	4980.4498	361.9167	CK BM
3	531.4664	5353.7175	339.1446	WP3
10	615.9208	5353.7175	339.8059	MW1
11	565.2297	5331.0545	340.0486	MW2
12	609.5086	5234.0468	340.1930	MW3
13	624.9255	5238.1735	-649.7222	BC
14	584.7928	5324.6514	-653.4724	BC
15	657.6109	5358.2775	-649.5846	BC
20	616.0856	5353.2318	340.2717	MW1 CONC.
21	564.9424	5330.4856	340.2299	MW2 AC
22	609.1326	5233.5425	340.6084	MW3 AC

RAWDATA FILE

JOB: PFC Date 8-24-1995 Time 11:04:26.58
Mode setup:North Azm,Dist ft,scale 1.000000, Earth crv OFF,offset 0.000
Store :Pt 1 N 1000.0000 E 5000.0000, Elv 100.0000, START
Store :Pt 1 N 1000.0000 E 5000.0000, Elv 250.0000, WP1 PK IN AC
Store :Pt 1 N 1000.0000 E 5000.0000, Elv 300.0000, WP1 PK IN AC
Occupy:Pt 1 N 1000.0000 E 5000.0000, Elv 300.0000, WP1 PK IN AC
Backsight:1-1, BS azm 0.0000, BS cir 0.0000
HI / HR : Inst H 5.400 Rod H 4.780
Side shot : 1-2 Ang-Rt 358.1334 Zen 88.3313 SlpD 631.775 ,CK BM
Store :Pt 1 N 1000.0000 E 5000.0000, Elv 345.3500, WP1 PK IN AC
Occupy:Pt 1 N 1000.0000 E 5000.0000, Elv 345.3500, WP1 PK IN AC
Backsight:1-1, BS azm 0.0000, BS cir 0.0000
Side shot : 1-2 Ang-Rt 358.1334 Zen 88.3313 SlpD 631.765 ,CK BM
Side shot : 1-3 Ang-Rt 142.5657 Zen 90.3958 SlpD 587.100 ,WP3
Occupy:Pt 3 N 531.4664 E 5353.7175, Elv 339.1450, WP3
Backsight:3-3, BS azm 0.0000, BS cir 0.0000
HI / HR : Inst H 5.420 Rod H 7.960
Side shot : 3-10 Ang-Rt 6.0216 Zen 87.4946 SlpD 84.515 ,MW1
Side shot : 3-10 Ang-Rt 0.0000 Zen 87.4946 SlpD 84.515 ,MW1
Side shot : 3-20 Ang-Rt 359.4016 Zen 87.3108 SlpD 84.700 ,MW1 CONC.
HI / HR : Inst H 5.420 Rod H 4.780
Side shot : 3-11 Ang-Rt 326.0745 Zen 89.3743 SlpD 40.665 ,MW2
Side shot : 3-21 Ang-Rt 325.1423 Zen 89.2228 SlpD 40.750 ,MW2 AC
Side shot : 3-12 Ang-Rt 303.0636 Zen 89.5011 SlpD 142.870 ,MW3
Side shot : 3-22 Ang-Rt 302.5225 Zen 89.4013 SlpD 143.090 ,MW3 AC
Note: Rt ang offset
Off center shot: Ang right 308.5109
Off center shot: Offset length 0.300
HI / HR : Inst H 5.420 Rod H 999.000
Side shot : 3-13 Ang-Rt 308.5805 Zen 88.1101 SlpD 148.685 ,BC
Note: Rt ang offset
Off center shot: Ang right 331.0726
Off center shot: Offset length 0.300
Side shot : 3-14 Ang-Rt 331.2425 Zen 89.0531 SlpD 60.741 ,BC
Note: Rt ang offset
Off center shot: Ang right 2.1223
Off center shot: Offset length -0.300
Side shot : 3-15 Ang-Rt 2.0413 Zen 87.4758 SlpD 126.320 ,BC

ATTACHMENT 3

COPIES OF CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Geraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled: Aug 16, 1995
1050 Marina Way South	Sample Matrix:	Water	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Aug 28, 1995
Attention: Darryl Snow	First Sample #:	508-1017	

QC Batch Number: GC082295 802004A | GC082295 802004A | GC082295 802004A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 508-1017 MW-1	Sample I.D. 508-1018 MW-2	Sample I.D. 508-1019 MW-3
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.
Benzene	0.50	N.D.	N.D.	N.D.
Toluene	0.50	N.D.	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.	N.D.
Total Xylenes	0.50	N.D.	0.54	N.D.
Chromatogram Pattern:		--	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0
Date Analyzed:	8/22/95	8/22/95	8/22/95
Instrument Identification:	HP-4	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	98	106	100

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

5081017.GER <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Geraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled: Aug 15, 1995
1050 Marina Way South	Sample Matrix:	Soil	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Aug 28, 1995
Attention: Darryl Snow	First Sample #:	508-1131	

QC Batch Number: SP082495 8020EXA | SP082495 8020EXA | SP082495 8020EXA

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 508-1131 MW-1-5	Sample I.D. 508-1132 MW-2-5	Sample I.D. 508-1133 MW-3-5
Purgeable Hydrocarbons	1.0	N.D.	N.D.	N.D.
Benzene	0.0050	N.D.	N.D.	N.D.
Toluene	0.0050	N.D.	N.D.	N.D.
Ethyl Benzene	0.0050	N.D.	N.D.	N.D.
Total Xylenes	0.0050	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0
Date Analyzed:	8/24/95	8/24/95	8/24/95
Instrument Identification:	HP-2	HP-2	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	108	108	108

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

5081131.GER <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

eraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled: Aug 15, 1995
1050 Marina Way South	Sample Matrix:	Soil	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 3510/8015 Mod.	Reported: Aug 28, 1995
Attention: Darryl Snow	First Sample #:	508-1131	

QC Batch Number:	SP082395 8015EXB	SP082395 8015EXB	SP082395 8015EXB

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D. 508-1131 MW-1-5	Sample I.D. 508-1132 MW-2-5	Sample I.D. 508-1133 MW-3-5
Extractable Hydrocarbons	1.0	3.0	N.D.	5.2
Chromatogram Pattern:		Unidentified Hydrocarbons >C20	--	Unidentified Hydrocarbons >C20

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0
Date Extracted:	8/23/95	8/23/95	8/23/95
Date Analyzed:	8/24/95	8/24/95	8/24/95
Instrument Identification:	HP-3B	HP-3B	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Geraghty & Miller, Inc.
) Marina Way South
Richmond, CA 94804
Attention: Darryl Snow

Client Project ID: #RC0322.001
Sample Matrix: Soil
Analysis Method: EPA 3510/8015 Mod.
First Sample #: 508-1131

Sampled: Aug 15, 1995
Received: Aug 17, 1995
Reported: Aug 28, 1995

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS AS MOTOR OIL

Analyte	Reporting Limit mg/kg	Sample I.D. 508-1131 MW-1-5	Sample I.D. 508-1132 MW-2-5	Sample I.D. 508-1133 MW-3-5
QC Batch Number:		SP082395	SP082395	SP082395
		8015EXA	8015EXA	8015EXA
Extractable Hydrocarbons	1.0	25	N.D.	35
Chromatogram Pattern:		Motor Oil	--	Motor Oil

uality Control Data

port Limit Multiplication Factor:	1.0	1.0	1.0
e Extracted:	8/23/95	8/23/95	8/23/95
e Analyzed:	8/24/95	8/24/95	8/24/95
rument Identification:	HP-3B	HP-3B	HP-3B

ctable Hydrocarbons are quantitated against a fresh motor oil standard.
es reported as N.D. were not detected above the stated reporting limit.

JOIA ANALYTICAL, #1271

eth Wimer
ct Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Geraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled: Aug 15, 1995
050 Marina Way South	Sample Descript:	Solid, MW-1-5	Received: Aug 17, 1995
ichmond, CA 94804	Analysis Method:	EPA 8240	Extracted: Aug 22, 1995
Attention: Darryl Snow	Lab Number:	508-1131	Analyzed: Aug 23, 1995
			Reported: Aug 28, 1995

QC Batch Number: MS0823956240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/L
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	100	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	100	N.D.
,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	250	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Sequoia Analytical

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Geraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled: Aug 15, 1995
950 Marina Way South	Sample Descript:	Solid, MW-1-5	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240	Extracted: Aug 22, 1995
Attention: Darryl Snow	Lab Number:	508-1131	Analyzed: Aug 23, 1995
			Reported: Aug 28, 1995

QC Batch Number: MS082395824OS2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/L
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Surrogates	Control Limit %		% Recovery
1,2-Dichloroethane-d4	50	150	89
Toluene-d8	50	150	107
4-Bromofluorobenzene	50	150	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Geraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled: Aug 15, 1995
1050 Marina Way South	Sample Descript:	Solid, MW-2-5	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240	Extracted: Aug 22, 1995
Attention: Darryl Snow	Lab Number:	508-1132	Analyzed: Aug 23, 1995
			Reported: Aug 28, 1995

QC Batch Number: MS082395S240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/L
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	100	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	250	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Geraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled: Aug 15, 1995
050 Marina Way South	Sample Descript:	Solid, MW-2-5	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240	Extracted: Aug 22, 1995
Attention: Darryl Snow	Lab Number:	508-1132	Analyzed: Aug 23, 1995
			Reported: Aug 28, 1995

QC Batch Number: MS082395S240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/L
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Surrogates	Control Limit %		% Recovery
1,2-Dichloroethane-d4	50	150	89
Toluene-d8	50	150	107
4-Bromofluorobenzene	50	150	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Geraghty & Miller, Inc.
050 Marina Way South
Richmond, CA 94804
Attention: Darryl Snow

Client Project ID: #RC0322.001
Sample Descript: Solid, MW-3-5
Analysis Method: EPA 8240
Lab Number: 508-1133

Sampled: Aug 15, 1995
Received: Aug 17, 1995
Extracted: Aug 22, 1995
Analyzed: Aug 23, 1995
Reported: Aug 28, 1995

QC Batch Number: MS0823958240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit μg/kg	Sample Results μg/L
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	100	N.D.
Chloromethane	100	N.D.
bromochloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	250	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Geraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled: Aug 15, 1995
950 Marina Way South	Sample Descript:	Solid, MW-3-5	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240	Extracted: Aug 22, 1995
Attention: Darryl Snow	Lab Number:	508-1133	Analyzed: Aug 23, 1995
			Reported: Aug 28, 1995

QC Batch Number: MS082395S240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/L
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Surrogates	Control Limit %		% Recovery
1,2-Dichloroethane-d4	50	150	86
Toluene-d8	50	150	107
4-Bromofluorobenzene	50	150	92

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

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819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Darryl Snow

Client Project ID: #RC0322.001
Matrix: Solid
QC Sample Group: 5081131-33

Reported: Aug 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel
QC Batch#:	SP082495 8020EXA	SP082495 8020EXA	SP082495 8020EXA	SP082495 8020EXA	SP082395 8015EXB
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015
Prep. Method:	EPA5030	EPA5030	EPA5030	EPA5030	EPA 3550
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	J. Dinsay
MS/MSD #:	5081372	5081372	5081372	5081372	5081030
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/24/95	8/24/95	8/24/95	8/24/95	8/23/95
Analyzed Date:	8/24/95	8/24/95	8/24/95	8/24/95	8/24/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	GCHP-3B
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	10 mg/kg
Result:	0.44	0.45	0.50	1.4	12
MS % Recovery:	110	113	125	120	120
Dup. Result:	0.47	0.47	0.49	1.5	130
MSD % Recov.:	118	118	123	123	130
RPD:	6.6	4.3	2.0	2.1	8.0
RPD Limit:	0-20	0-20	0-20	0-20	0-20

LCS #:	2LCS082495	2LCS082495	2LCS082495	2LCS082495	BLK082395
Prepared Date:	8/24/95	8/24/95	8/24/95	8/24/95	8/23/95
Analyzed Date:	8/24/95	8/24/95	8/24/95	8/24/95	8/24/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	GCHP-3B
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	10 mg/kg
LCS Result:	19	19	20	59	9.8
LCS % Recov.:	94	94	98	99	98

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140	38-122

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.
** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Darryl Snow

Client Project ID: #RC0322.001
Matrix: Solid
QC Sample Group: -33

Reported: Aug 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene
QC Batch#:	MS082395	MS082395	MS082395	MS082395	MS082395
	8240S2A	8240S2A	8240S2A	8240S2A	8240S2A
Analy. Method:	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240
Prep. Method:	-	-	-	-	-
Analyst:	A.Tuzon	A.Tuzon	A.Tuzon	A.Tuzon	A.Tuzon
MS/MSD #:	5081031	5081031	5081031	5081031	5081031
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/23/95	8/23/95	8/23/95	8/23/95	8/23/95
Analyzed Date:	8/23/95	8/23/95	8/23/95	8/23/95	8/23/95
Instrument I.D.#:	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2
Conc. Spiked:	2500 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg
Result:	1700	2520	2790	2630	2870
MS % Recovery:	68	101	112	105	115
Dup. Result:	1650	2450	2700	2570	2760
MSD % Recov.:	66	98	108	103	110
RPD:	3.0	2.8	3.3	2.3	3.9
RPD Limit:	0-22	0-24	0-21	0-21	0-21

LCS #:	LCS082395	LCS082395	LCS082395	LCS082395	LCS082395
Prepared Date:	8/23/95	8/23/95	8/23/95	8/23/95	8/23/95
Analyzed Date:	8/23/95	8/23/95	8/23/95	8/23/95	8/23/95
Instrument I.D.#:	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2
Conc. Spiked:	2500 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg
LCS Result:	46	49	55	50	52
LCS % Recov.:	91	99	110	101	104

MS/MSD LCS Control Limits	DL-234	71-157	37-151	47-150	37-160

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

GERAGHTY & MILLER, INC.
Environmental Services
a Heidemij company

Laboratory Task Order No. ______

CHAIN-OF-CUSTODY RECORD

Page ____ of ____

Project Number: RC0322.001
Project Location: Alexander
Laboratory: Sequoia
Sampler(s)/Affiliation: RAV - G+M

9508274

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	HOLD	tph-gas	tph-diesel	tph-motor oil	VOC's, 8240				TOTAL
MW-1-5	S	8/14/95			X	X	X	X	~~508 1031~~	5081131		1
MW-1-15	S	8/14/95		X					CA 8-4-95			1
MW-1-20	S	8/14/95		X								1
MW-2-5	S	8/14/95			X	X	X	X	~~508 1033~~	5081132		1
MW-2-15	S	8/14/95		X					CA 8-4-95			1
MW-2-20	S	8/14/95		X								1
MW-3-5	S	8/15/95			X	X	X	X	~~508 1035~~	5081133		1
MW-3-15	S	8/15/95		X					CA 8-4-95			1
MW-3-20	S	8/15/95		X								1
												1

as per D. Snow 8/17/95 0810

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: ____

Relinquished by: Robert A. Vierra	Organization: G+M	Date 8/17/95	Time 10:15	Seal Intact? Yes No N/A
Received by: RD Kelley	Organization: Seq Analy	Date 8/17/95	Time 1015	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Verbal Results by 8/25/95; send hard copy by 8/25/95

Delivery Method: ☒ In Person ☐ Common Carrier ______ (SPECIFY) ☐ Lab Courier ☐ Other ______ (SPECIFY)

G&M Form 09.2.91

Sequoia Analytical

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Geraghty & Miller, Inc.
)50 Marina Way South
Richmond, CA 94804
Attention: Darryl Snow

Client Project ID: #RC0322.001
Sample Matrix: Soil
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 508-1030

Sampled: Aug 14-15, 1995
Received: Aug 17, 1995
Reported: Aug 28, 1995

QC Batch Number: SP082495 8020EXA | SP082495 8020EXA | SP082495 8020EXA | SP082495 8020EXA

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 508-1030 MW-1-10	Sample I.D. 508-1032 MW-2-10	Sample I.D. 508-1034 MW-3-10	Sample I.D. 508-1036 Stockpile
Purgeable Hydrocarbons	1.0	N.D.	N.D.	N.D.	N.D.
Benzene	0.0050	N.D.	N.D.	N.D.	N.D.
Toluene	0.0050	N.D.	N.D.	N.D.	N.D.
Ethyl Benzene	0.0050	N.D.	N.D.	N.D.	N.D.
Total Xylenes	0.0050	N.D.	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0
Date Analyzed:	8/24/95	8/24/95	8/24/95	8/24/95
Instrument Identification:	HP-4	HP-4	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	107	102	103	106

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

5081030.GER <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

eraghty & Miller, Inc.	Client Project ID: #RC0322.001	Sampled: Aug 14-15,1995
1050 Marina Way South	Sample Matrix: Soil	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method: EPA 3550/8015 Mod.	Reported: Aug 28, 1995
Attention: Darryl Snow	First Sample #: 508-1030	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D. 508-1030 MW-1-10	Sample I.D. 508-1031 MW-2-10	Sample I.D. 508-1032 MW-3-10	Sample I.D. 508-1033 Stockpile
QC Batch Number:		SP082395 8015EXB	SP082395 8015EXB	SP082395 8015EXB	SP082395 8015EXB
Extractable Hydrocarbons	1.0	N.D.	N.D.	N.D.	3.1
Chromatogram Pattern:		--	--	--	Unidentified Hydrocarbons >C20

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0
Date Extracted:	8/23/95	8/23/95	8/23/95	8/23/95
Date Analyzed:	8/24/95	8/24/95	8/24/95	8/24/95
Instrument Identification:	HP-3B	HP-3B	HP-3B	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

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Geraghty & Miller, Inc.	Client Project ID: #RC0322.001	Sampled: Aug 14-15,1995
1050 Marina Way South	Sample Matrix: Soil	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method: EPA 3550/8015 Mod.	Reported: Aug 28, 1995
Attention: Darryl Snow	First Sample #: 508-1030	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS AS MOTOR OIL

Analyte	Reporting Limit mg/kg	Sample I.D. 508-1030 MW-1-10	Sample I.D. 508-1031 MW-2-10	Sample I.D. 508-1032 MW-3-10	Sample I.D. 508-1033 Stockpile
QC Batch Number:		SP082395 8015EXB	SP082395 8016EXB	SP082395 8015EXB	SP082395 8015EXB
Extractable Hydrocarbons	1.0	N.D.	N.D.	N.D.	62
Chromatogram Pattern:		--	--	--	Motor Oil

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0
Date Extracted:	8/23/95	8/23/95	8/23/95	8/23/95
Date Analyzed:	8/24/95	8/24/95	8/24/95	8/24/95
Instrument Identification:	HP-3B	HP-3B	HP-3B	HP-3B

Extractable Hydrocarbons are quantitated against a fresh motor oil standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

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Geraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled: Aug 14, 1995
150 Marina Way South	Sample Descript:	Soil, MW-1-10	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240	Extracted: Aug 22, 1995
Attention: Darryl Snow	Lab Number:	508-1030	Analyzed: Aug 24, 1995
			Reported: Aug 28, 1995

QC Batch Number: MS082495824082A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	100	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	250	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Geraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled:	Aug 14, 1995
1050 Marina Way South	Sample Descript:	Soil, MW-1-10	Received:	Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240	Extracted:	Aug 22, 1995
Attention: Darryl Snow	Lab Number:	508-1030	Analyzed:	Aug 24, 1995
			Reported:	Aug 28, 1995

QC Batch Number: MS082495824082A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Surrogates	Control Limit %		% Recovery
1,2-Dichloroethane-d4	50	150	86
Toluene-d8	50	150	106
4-Bromofluorobenzene	50	150	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

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Geraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled: Aug 14, 1995
1050 Marina Way South	Sample Descript:	Soil, MW-2-10	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240	Extracted: Aug 22, 1995
Attention: Darryl Snow	Lab Number:	508-1032	Analyzed: Aug 24, 1995
			Reported: Aug 28, 1995

QC Batch Number: MS082495S240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	100	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	250	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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eraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Darryl Snow

Client Project ID: #RC0322.001
Sample Descript: Soil, MW-2-10
Analysis Method: EPA 8240
Lab Number: 508-1032

Sampled: Aug 14, 1995
Received: Aug 17, 1995
Extracted: Aug 22, 1995
Analyzed: Aug 24, 1995
Reported: Aug 28, 1995

QC Batch Number: MS0824958240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Surrogates	Control Limit %		% Recovery
1,2-Dichloroethane-d4	50	150	82
Toluene-d8	50	150	107
4-Bromofluorobenzene	50	150	92

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

5081030.GER <7>

Sequoia Analytical

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ɜraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled: Aug 15, 1995
1050 Marina Way South	Sample Descript:	Soil, MW-3-10	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240	Extracted: Aug 22, 1995
Attention: Darryl Snow	Lab Number:	508-1034	Analyzed: Aug 24, 1995
			Reported: Aug 28, 1995

QC Batch Number: MS082495B240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	100	N.D.
ʻhloromethane	100	N.D.
₋ibromochloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	250	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Sequoia Analytical

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eraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled:	Aug 15, 1995
050 Marina Way South	Sample Descript:	Soil, MW-3-10	Received:	Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240	Extracted:	Aug 22, 1995
Attention: Darryl Snow	Lab Number:	508-1034	Analyzed:	Aug 24, 1995
			Reported:	Aug 28, 1995

QC Batch Number: MS082495B240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Surrogates	Control Limit %		% Recovery
1,2-Dichloroethane-d4	50	150	84
Toluene-d8	50	150	106
4-Bromofluorobenzene	50	150	91

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

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eraghty & Miller, Inc.
050 Marina Way South
Richmond, CA 94804
Attention: Darryl Snow

Client Project ID: #RC0322.001
Sample Descript: Soil, Stockpile
Analysis Method: EPA 8240
Lab Number: 508-1036

Sampled: Aug 14, 1995
Received: Aug 17, 1995
Extracted: Aug 22, 1995
Analyzed: Aug 24, 1995
Reported: Aug 28, 1995

QC Batch Number: MS082495S240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	100	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	250	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Sequoia Analytical

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ɜraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled:	Aug 14, 1995
1050 Marina Way South	Sample Descript:	Soil, Stockpile	Received:	Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240	Extracted:	Aug 22, 1995
Attention: Darryl Snow	Lab Number:	508-1036	Analyzed:	Aug 24, 1995
			Reported:	Aug 28, 1995

QC Batch Number: MS082495B240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Surrogates	Control Limit %		% Recovery
1,2-Dichloroethane-d4	50	150	85
Toluene-d8	50	150	105
4-Bromofluorobenzene	50	150	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Sequoia Analytical

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eraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Darryl Snow

Client Project ID: #RC0322.001
Matrix: Solid
QC Sample Group: 5081030-36

Reported: Aug 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel
QC Batch#:	SP082495	SP082495	SP082495	SP082495	SP082395
	8020EXA	8020EXA	8020EXA	8020EXA	8015EXB
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3550
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	J. Dinsay
MS/MSD #:	5081372	5081372	5081372	5081372	5081030
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/24/95	8/24/95	8/24/95	8/24/95	8/23/95
Analyzed Date:	8/24/95	8/24/95	8/24/95	8/24/95	8/24/95
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	GCHP-3B
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	10mg/kg
Result:	0.39	0.41	0.42	1.3	12
MS % Recovery:	98	103	105	108	120
Dup. Result:	0.39	0.41	0.42	1.3	130
MSD % Recov.:	98	103	105	107	130
RPD:	0.0	0.0	0.0	1.6	8.0
RPD Limit:	0-20	0-20	0-20	0-20	0-20

LCS #:	2LCS082495	2LCS082495	2LCS082495	2LCS082495	BLK082395
Prepared Date:	8/24/95	8/24/95	8/24/95	8/24/95	8/23/95
Analyzed Date:	8/24/95	8/24/95	8/24/95	8/24/95	8/24/95
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	GCHP-3B
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	10 mg/kg
LCS Result:	17	18	19	57	9.8
LCS % Recov.:	86	92	94	95	98

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140	38-122

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Geraghty & Miller, Inc.	Client Project ID:	#RC0322.001
1050 Marina Way South	Matrix:	Solid
Richmond, CA 94804		
Attention: Darryl Snow	QC Sample Group: 5081030-36	Reported: Aug 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene
QC Batch#:	MS082495	MS082495	MS082495	MS082495	MS082495
	8240S2A	8240S2A	8240S2A	8240S2A	8240S2A
Analy. Method:	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240
Prep. Method:	-	-	-	-	-
Analyst:	A. Tuzon	A. Tuzon	A. Tuzon	A. Tuzon	A. Tuzon
MS/MSD #:	5081031	5081031	5081031	5081031	5081031
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/22/95	8/22/95	8/22/95	8/22/95	8/22/95
Analyzed Date:	8/24/95	8/24/95	8/24/95	8/24/95	8/24/95
Instrument I.D.#:	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2
Conc. Spiked:	2500 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg
Result:	1490	2350	2530	2370	2580
MS % Recovery:	60	94	101	95	103
Dup. Result:	1520	2390	2530	2450	2620
MSD % Recov.:	61	96	101	98	105
RPD:	2.0	1.7	0.0	3.3	1.6
RPD Limit:	0-22	0-24	0-21	0-21	0-21

LCS #:	LCS082495	LCS082495	LCS082495	LCS082495	LCS082495
Prepared Date:	8/24/95	8/22/95	8/22/95	8/22/95	8/22/95
Analyzed Date:	8/24/95	8/24/95	8/24/95	8/24/95	8/24/95
Instrument I.D.#:	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2
Conc. Spiked:	2500 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg
LCS Result:	44	48	54	49	52
LCS % Recov.:	89	95	107	98	104

MS/MSD LCS Control Limits	DL-234	71-157	37-151	47-150	37-160

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

G&M MILLER, INC. Environmental Services
Laboratory Task Order No. ______

CHAIN-OF-CUSTODY RECORD

9508273

Project Number: RC 0322.001
Project Location: Pleasanton
Laboratory: Sequoia
Sampler(s)/Affiliation: RAV - G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	TPH - gas	TPH - diesel	TPH - motor oil	VOC's 8240						TOTAL
MW-1-10	S	8/14/95		✓	✓	✓	✓	5081030					1
MW-1-25	S	8/14/95		✓	✓	✓	✓	~~[illegible]~~			HOLD		1
MW-2-10	S	8/14/95		✓	✓	✓	✓	5081032					1
MW-2-25	S	8/14/95		✓	✓	✓	✓	~~[illegible]~~			HOLD		1
~~MW-2~~								5081034 ↓					
MW-3-10	S	8/15/95		✓	✓	✓	✓						1
MW-3-25	S	8/15/95		✓	✓	✓	✓	~~[illegible]~~			HOLD		1
Stockpile				✓	✓	✓	✓	Composite, Run as one!					4
							5081036 AD						

Sample Code: L = Liquid; S = Solid; A = Air — as per D. Snow 8/18/95 0810

Total No. of Bottles/Containers: ____

Relinquished by: Robert A Vassa	Organization: G&M	Date 8/17/95	Time 10:15	Seal Intact? Yes No N/A
Received by: RD Kelley	Organization: Seq Analy	Date 8/17/95	Time 1015	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Verbal Results by 8/25/95; send hard copy on 8/25/95

Delivery Method: ☒ In Person ☐ Common Carrier ______ (SPECIFY) ☐ Lab Courier ☐ Other ______ (SPECIFY)

G&M Form 09.9.91 — Southprint 95 0533

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Geraghty & Miller, Inc.	Client Project ID: #RC0322.001	Sampled: Aug 16, 1995
1050 Marina Way South	Sample Matrix: Water	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method: EPA 3510/8015 Mod.	Reported: Aug 28, 1995
Attention: Darryl Snow	First Sample #: 508-1017	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

QC Batch Number:		SP082395 8015EXC	SP082395 8015EXC	SP082395 8015EXC
Analyte	**Reporting Limit** µg/L	**Sample I.D.** 508-1017 MW-1	**Sample I.D.** 508-1018 MW-2	**Sample I.D.** 508-1019 MW-3
Extractable Hydrocarbons	50	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0
Date Extracted:	8/23/95	8/23/95	8/23/95
Date Analyzed:	8/24/95	8/24/95	8/24/95
Instrument Identification:	HP-3A	HP-3A	HP-3A

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Sequoia Analytical

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...raghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled: Aug 16, 1995
1050 Marina Way South	Sample Matrix:	Water	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 3510/8015 Mod.	Reported: Aug 28, 1995
Attention: Darryl Snow	First Sample #:	508-1017	

QC Batch Number: SP082395 8015EXC | SP082395 8015EXC | SP082395 8015EXC

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS AS MOTOR OIL

Analyte	Reporting Limit µg/L	Sample I.D. 508-1017 MW-1	Sample I.D. 508-1018 MW-2	Sample I.D. 508-1019 MW-3
Extractable Hydrocarbons	50	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0
Date Extracted:	8/23/95	8/23/95	8/23/95
Date Analyzed:	8/24/95	8/24/95	8/24/95
Instrument Identification:	HP-3A	HP-3A	HP-3A

Extractable Hydrocarbons are quantitated against a fresh motor oil standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Sequoia Analytical

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Geraghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled:	Aug 16, 1995
550 Marina Way South	Sample Descript:	Water, MW-1	Received:	Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240		
Attention: Darryl Snow	Lab Number:	508-1017	Analyzed:	Aug 20, 1995
			Reported:	Aug 28, 1995

QC Batch Number: MS082095S240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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›raghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled:	Aug 16, 1995
1050 Marina Way South	Sample Descript:	Water, MW-1	Received:	Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240		
Attention: Darryl Snow	Lab Number:	508-1017	Analyzed:	Aug 20, 1995
			Reported:	Aug 28, 1995

QC Batch Number: MS082095824052A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Surrogates	Control Limit %		% Recovery
1,2-Dichloroethane-d4	50	150	93
Toluene-d8	50	150	106
4-Bromofluorobenzene	50	150	91

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Sequoia Analytical

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raghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled:	Aug 16, 1995
1050 Marina Way South	Sample Descript:	Water, MW-2	Received:	Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240		
Attention: Darryl Snow	Lab Number:	508-1018	Analyzed:	Aug 20, 1995
			Reported:	Aug 28, 1995

QC Batch Number: MS082095S240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	16
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	3.2
Iloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Sequoia Analytical

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...raghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled:	Aug 16, 1995
...50 Marina Way South	Sample Descript:	Water, MW-2	Received:	Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240		
Attention: Darryl Snow	Lab Number:	508-1018	Analyzed:	Aug 20, 1995
			Reported:	Aug 28, 1995

QC Batch Number: MS0820958240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Surrogates	Control Limit %		% Recovery
1,2-Dichloroethane-d4	50	150	92
Toluene d8	50	150	108
4-Bromofluorobenzene	50	150	91

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Sequoia Analytical

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raghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled: Aug 16, 1995
050 Marina Way South	Sample Descript:	Water, MW-3	Received: Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240	
Attention: Darryl Snow	Lab Number:	508-1019	Analyzed: Aug 20, 1995
			Reported: Aug 28, 1995

QC Batch Number: MS0820958240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	8.6
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Sequoia Analytical

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raghty & Miller, Inc.	Client Project ID:	#RC0322.001	Sampled:	Aug 16, 1995
60 Marina Way South	Sample Descript:	Water, MW-3	Received:	Aug 17, 1995
Richmond, CA 94804	Analysis Method:	EPA 8240		
Attention: Darryl Snow	Lab Number:	508-1019	Analyzed:	Aug 20, 1995
			Reported:	Aug 28, 1995

QC Batch Number: MS082095S240S2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Surrogates	Control Limit %		% Recovery
1,2-Dichloroethane-d4	50	150	95
Toluene-d8	50	150	111
4-Bromofluorobenzene	50	150	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Sequoia Analytical

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aghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Darryl Snow

Client Project ID: #RC0322.001
Matrix: Liquid

QC Sample Group: 5081017-19

Reported: Aug 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC082295	GC082295	GC082295	GC082295
	802004A	802004A	802004A	802004A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	-	-	-	-
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD #:	5081092	5081092	5081092	5081092
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/22/95	8/22/95	8/22/95	8/22/95
Analyzed Date:	8/22/95	8/22/95	8/22/95	8/22/95
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	20	21	21	63
MS % Recovery:	100	105	105	105
Dup. Result:	18	19	19	58
SD % Recov.:	90	95	95	9.7
RPD:	11	10	10	8.3
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	2LCS082295	2LCS082295	2LCS082295	2LCS082295
Prepared Date:	8/22/95	8/22/95	8/22/95	8/22/95
Analyzed Date:	8/22/95	8/22/95	8/22/95	8/22/95
Instrument I.D.#:	HP-2	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	20	21	21	64
LCS % Recov.:	100	105	106	106

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Darryl Snow

Client Project ID: #RC0322.001
Matrix: Liquid
QC Sample Group: 5081017-19

Reported: Aug 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	SP082395
	8015EXC
Analy. Method:	EPA 8015
Prep. Method:	EPA 3510
Analyst:	J. Dinsay
MS/MSD #:	BLK082395
Sample Conc.:	N.D.
Prepared Date:	8/23/95
Analyzed Date:	8/24/95
Instrument I.D.#:	HP.3A
Conc. Spiked:	300 µg/L
Result:	260
MS % Recovery:	87
Dup. Result:	100
MSD % Recov.:	33
RPD:	89
RPD Limit:	0-20

LCS #:	LCS082395
Prepared Date:	8/23/95
Analyzed Date:	8/24/95
Instrument I.D.#:	GCHP-3A
Conc. Spiked:	300 µg/L
LCS Result:	73
LCS % Recov.:	24

MS/MSD LCS Control Limits	38-122

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Please Note:
This Q.C Batch was validated using surrogate spike values which fell within internal laboratory limits.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Darryl Snow

Client Project ID: #RC0322.001
Matrix: Liquid
QC Sample Group: 5081017-19

Reported: Aug 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene
QC Batch#:	MS082095	MS082095	MS082095	MS082095	MS082095
	8240S2A	8240S2A	8240S2A	8240S2A	8240S2A
Analy. Method:	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	A.Tuzon	A.Tuzon	A.Tuzon	A.Tuzon	A.Tuzon
MS/MSD #:	508117	508117	508117	508117	508117
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/20/95	8/20/95	8/20/95	8/20/95	8/20/95
Analyzed Date:	8/20/95	8/20/95	8/20/95	8/20/95	8/20/95
Instrument I.D.#:	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L
Result:	38	49	55	52	53
MS % Recovery:	76	98	111	105	106
Dup. Result:	35	46	53	48	49
MSD % Recov.:	70	92	105	95	98
RPD:	7.7	5.9	5.2	9.6	8.2
RPD Limit:	0-14	0-14	0-11	0-13	0-13

LCS #:	LCS082095	LCS082095	LCS082095	LCS082095	LCS082095
Prepared Date:	8/20/95	8/20/95	8/20/95	8/20/95	8/20/95
Analyzed Date:	8/20/95	8/20/95	8/20/95	8/20/95	8/20/95
Instrument I.D.#:	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L
LCS Result:	38	49	55	51	51
LCS % Recov.:	75	98	110	101	102

MS/MSD LCS Control Limits	DL-234	71-157	37-151	47-150	37-160

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

& MILLER, INC.
Environmental Services
Alameda company

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page ___ of ___

9508272

Project Number RC0322.001

Project Location Pleasanton

Laboratory Sequoia

Sampler(s)/Affiliation RW & G+M

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: TPH-gas	TPH-diesel	TPH-motor oil	VOC's 8240						TOTAL
MW-1	L	8/16/95		✓	✓	✓	✓		5081017	A-H			8
MW-2	L	"		✓	✓	✓	✓		5081018				8
MW-3	L	"		✓	✓	✓	✓		5081019				8

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers

Relinquished by: Robert K Vance	Organization: GTM	Date 8/17/95	Time 10:15	Seal Intact? Yes No N/A
Received by: RB Kelley	Organization: Seq Analy	Date 8/17/95	Time 10:15	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: ~~Verbal~~ Results by 8/25/95!

Delivery Method: ☒ In Person ☐ Common Carrier _____ (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

GM Form (93.8.27)

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

PROFICIENT FOOD COMPANY
DISTRIBUTION CENTER

PLEASANTON, CALIFORNIA

PHASE I

ENVIRONMENTAL SITE ASSESSMENT

OF

5675 Sunol Blvd.

Alameda County

Pleasanton, California

FOR

PROFICIENT FOOD COMPANY

PREPARED BY:

GARRETT CONSULTING, INC.
2634 BLACK ACRE TRAIL
DALLAS, GEORGIA 30132
(770) 974-9381

Robert A. Garrett
ROBERT A. GARRETT
PRESIDENT

Don A. Watson
DON A. WATSON, PG
SENIOR HYDROGEOLOGIST

JUNE 1995

EXECUTIVE SUMMARY

Garrett Consulting, Inc. (GCI) performed a Phase I Environmental Site Assessment (ESA) of an improved approximately 11.5 acre tract located at 5675 Sunol Blvd., Alameda County, Pleasanton, California on 6 June 1995. GCI conducted this investigation for Proficient Food Company within criteria established by ASTM Standard Practice Designation E 1527-93 for Phase I Environmental Site Assessments. This study included on-site inspection, a review of maps, historical data, previous UST closure and soil investigation reports, public and private land planning reports, title information, federal, state, and local regulatory agency data, and interviews.

Salient findings are presented below:

- The subject property is an improved commercially developed land tract containing a pre-engineered tilt-up masonry warehouse with flat roof and concrete floor. The building contains approximately 70,000 square feet of warehouse area and 14,000 square feet of office area. A truck and trailer maintenance shop is located in the southwestern portion of the site. The building is detached and contains approximately 8,000 square feet of shop, office, employee lunch room, and storage areas. A wash rack and truck fueling station are located adjacent to the shop along its southern side.

- Paved parking occupies the east, south, and west portions of the site. The site is presently used as a distribution center to supply Denny's restaurants with food, restaurant products, and cleaning chemicals. The truck and trailer shop maintains and fuels the delivery fleet.

- The warehouse is reported to have been constructed approximately 11 years ago and was a book binding business prior to PFC occupancy. Prior to the construction of the building the site is reported to have been unimproved agricultural land. Complete land use records are not available as of this date.

- Adjoining properties include a paint manufacturer to the north, Kaiser Aluminum to the south, undeveloped land tract to the west, and a cemetery across Sunol Blvd. to the east. Properties adjoining to the north and south are office/warehouse and light industrial. Development of the agricultural land to the west for planned residential/commercial purposes is in the planning stages.

- Shallow groundwater flow is reported to follow surface topography and drainage patterns in a westerly direction. This projected flow direction suggests those sites identified in regulatory databases that adjoin PFC and in an arc to the east of the subject location present greatest potential to adversely impact the subject property. Adjoining properties, Kiser and NUODEX (aka Huls America, Inc.), and near-by City of Pleasanton Corp Yard are identified in multiple databases. Further study of regulatory agency files for these sites to identify environmental factors with respect to its potential for impact to the subject property is needed for evaluation.

- While other databases (LQG, SQG, UST sites) identify sites with potential to impact the site, evidence of current adverse impact was not identified.

- On-site environmental concerns identified in this study are related to storm water discharge and the USTs. The prior USTs are reported to have been removed within then current regulatory criteria. Current UST system is apparently barely in compliance with regulatory criteria and not considered adequate for the 1998 standards. The truck fueling station does not contain a spill containment structure. One discrepancy in fuel consumption has been identified in 1994, and deficiencies were identified in a 1995 regulatory inspection.

- Storm water collection points and drains from the cooler and freezer are apparently connected to the storm water sewer without the benefit of processing in a clarifier or oil/water separator. The sump is reported to collect discharge from the truck shop and wash rack.

- Drums of oil and lubricant products for use in the truck maintenance shop are stored in the truck shop building with spill containment materials stored with easy access to personnel. Waste oil and related products and waste anti-freeze are stored in ASTs. Waste products were reported to be removed and recycled within regulatory criteria. Cleaning chemicals are stored in the warehouse for distribution to Denny's restaurants.

- MSDS sheets were present in the warehouse and shop area. A hazardous materials business plan has been prepared to address handling and storage of these materials for the PFC site.

- Based on the data reviewed for this study, the overall site environmental liability rating is moderate. This assessment has identified the following recognized environmental conditions, which should be addressed or maintained to limit future environmental liability exposure or provide additional information evaluation:

1. Existing UST system should be upgraded to a system currently in operation at PFC sites in Orlando and Des Plaines. Address deficiencies identified in the 1995 regulatory inspection. Regular maintenance and testing of UST monitoring equipment should be conducted. Personnel who perform fueling operations, handle drums of oil, lubricants, and shop chemicals are apparently familiar with spill containment, clean-up, disposal, and reporting requirements. Spill containment kits should always be well stocked and maintained. A containment structure should be constructed to contain fuel spills such as in place at Rancho Cucamonga or Algona.

2. Perform the file search of the City of Pleasanton Corp Yard and sites adjoining the PFC site. Evaluate file information relative to potential impact to the subject location.

3. Determine if storm water system is in compliance with regulatory criteria and if discharge permit is needed. However, a system with storm water and floor drains flowing to an oil/water separator is recommended for spill containment and release prevention. All sumps and oil/water separators should be pumped monthly.

4. Repair water line leak in front of the property near the street.

5. Properly remove and dispose drums with hazardous material labels in the parking area. All drums should be stored inside a contained structure.

6. Request paint manufacturer to store new and used paint away from north property line. Request Kaiser Research to divert storm water flow away from PFC property.

TABLE OF CONTENTS

1.0 INTRODUCTION

Garrett Consulting, Inc. (GCI) was retained by Proficient Food Company (PFC) to perform a Phase I Environmental Site Assessment (ESA) of an improved, approximately 11.5 acre tract located at 5675 Sunol Blvd., Alameda County, Pleasanton, California on 6 June 1995. The purpose of this study is to identify, when possible, environmental hazards that may impact the subject location as of the date of this report.

This endeavor was conducted in compliance within professional standards designated as ASTM Practice E 1527-93 for Phase I Environmental Site Assessments and Garrett Consulting, Inc. Environmental Site Assessment scope of work.

Pursuant to this scope of work, past and current property use was examined relative to environmental hazards for the subject property, adjoining property, and surrounding properties within prescribed parameters. An environmental database search was conducted to identify sites with potential to impact the subject property. Federal, state, and local regulatory agencies were contacted to gather data.

Regulatory agency records were reviewed, interviews conducted, and site information gathered from Mr. Greg Smith, PFC Distribution Center Manager. Historical data, maps, site blueprints, previous UST closure and soil investigation reports, public and private land planning reports, and permits were reviewed.

The subject property was visually inspected by Mr. Robert A. Garrett of GCI on 6 June 1995. The subject property was walked and building interiors inspected during the site visit. No samples (water, soil, building materials, etc.) of any type were collected for analysis, as such sampling is beyond the scope of this project.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property fronts Sunol Blvd. along the eastern boundary line and is an irregular rectangular land tract. A Southern Pacific railroad right-of-way is shown along the western boundary line. The site's legal description has not been supplied to date.

2.2 Site and Vicinity Characteristics

The subject property is located approximately 1 mile south of downtown Pleasanton near the Interstate 680 - Sunol Blvd. interchange. The subject is located in an area of light industry and office/warehouse distribution facilities which are found in the triangular corridor bounded on the west by Southern Pacific Railroad and Interstate 680, on the east and south by Sunol Blvd., and the northern apex at the intersection of the railroad and Sunol Blvd. Unimproved farm land is located to the west, across the railroad, and a cemetery is located to the east, across Sunol Blvd. Residential properties are shown to the east of the subject location.

2.3 Description of Improvements, Roads, and Structures On-Site

Property improvements include a warehouse structure containing offices reported to be approximately 11 years old. The warehouse structure is a one story pre-engineered tilt-up masonry building with flat roof and concrete floor. A freezer/cooler unit is located in the warehouse for cool storage. The building contains approximately 70,000 square feet of warehouse area and 14,000 square feet of office area.

A truck & trailer maintenance shop is located in the southwestern portion of the site. The building is detached and contains approximately 8,000 square feet of shop, office, employee lunch room, and storage areas. A wash rack and truck fueling station are located adjacent to the shop along its southern side.

Paved parking for automobiles occupies the eastern portion of the site in front of the office area. Paved parking for truck and trailers occupies the southern and western portion of the property with access to warehouse loading docks along the southwestern side of the warehouse.

No abandoned roads were observed or identified on the subject property.

2.4 Information Regarding Environmental Liens

There were no environmental liens reported to or observed in data gathered by GCI pursuant to this report.

2.5 Current Use of Property

The subject property is currently used as a warehouse and distribution center for Denny's restaurants products. Food, food service products, and cleaning and disinfecting products are stored and distributed. Products are moved into and our of the facility by trucks.

Trucks, trailers, and equipment are maintained and fueled at the maintenance facility.

2.6 Past Use of the Property

The site is reported to have been developed in (not supplied to date), originally for a book binding business. PFC subsequently purchased the site and began operations in (not supplied to date). Prior use has not been reported to date.

2.7 Current and Past Use of Adjoining Properties

The adjoining property to the west, across the railroad, is reported to be currently a 508 acre tract owned by the City of San Francisco Water Department (SFDW). The land tract is reported to have been acquired in the 1930's as a well field to supply water to the city and surrounding area. Over the years most of the wells reportedly have been phased out and leased for agricultural crop production. Wastewater effluent from the old Pleasanton Wastewater Treatment Plant (PWTP) was applied to this land tract reportedly from 1949 to 1980. Information in land planning reports indicate the land tract is in the planning stage for a residential/commercial development.

A paint manufacturer, shown as Huls America or NUODEX, at 5555 Sunol Blvd. and a business shown as Helgeson Nuclear at 5587 Sunol Blvd. adjoin the subject location to the north. To the south is a Kaiser Aluminum facility and to the east, across Sunol Blvd., is a cemetery.

Prior to commercial development the area was apparently agricultural land.

2.8 User Reported Information

Mr. Greg Smith, Distribution Center Manager, reported in an interview on 6 June 1995, to the best of his knowledge, the site is serviced by Pacific Gas and Electric for electricity and natural gas utilities, has public water, storm sewer, and sanitary sewer. He further reported that hazardous waste is limited to fluids related to truck maintenance (waste oil, anti-freeze, etc.) (permit number CAD 981683261) which is removed and recycled by Evergreen. Crushed oil, fuel filters, and used absorbent are recycled by Evergreen. Used truck batteries are reported to be recycled through Delco. A copy of the Hazardous Materials Business Plan dated 24 February 1995, was supplied to GCI by PFC for this report which details handling, storage, and safety procedures for materials on-site. A copy of this report is shown in the Appendix.

He stated other hazardous waste has not been generated, stored, treated, or disposed on-site. He stated there are no unknown pools, pits, ponds, lagoons, stressed vegetation, stained soil or pavement, waste disposal, or unknown odors (other than occasional paint/primer odors north of the site). Copies of prior geotechnical studies and UST closure were supplied to GCI for this study.

Mr. Smith stated that MSDS are on file for all chemicals stored on-site. He reported two 20,000 gallon and one 6,000 gallon fiberglass diesel USTs with electronic leak monitoring and inventory control has been installed and properly registered with the regulatory agency. A 500 gallon new motor oil UST and one 600 gallon waste motor oil UST were closed within acceptable criteria in November of 1990.

A regulatory inspection conducted on 19 April 1995 listed deficiencies in the UST monitoring and reporting. A response to these observed concerns was not identified for this report. He reported the site had a 100+ gallon diesel spill which was contained, cleaned-up, and disposed. The Pleasanton Fire Department was informed and no violations or fines were imposed. He stated the site had an inventory discrepancy in fuel consumption of 252 gallons dated 21 January 1994.

He reported storm water and truck wash water drains on-site into a sump to capture oil and grease. Shop floor drains also are reported to flow to the sump. The sump is reported to be periodically cleaned, but does not contain an oil/water separator. A waste water discharge permit was not identified for the property.

Mr. Smith reported that chemicals stored in the warehouse are for distribution to Denny's restaurants and are stored in plastic 5 gallon or smaller containers. He reported any spills are contained and properly disposed. He stated spill containment materials are stored for easy access to personnel in the warehouse and truck shop.

He reported Employee Right To Know information is located in the warehouse and truck shop and currently meet regulatory criteria. He stated an established plan for employee safety and procedures for chemical or fuel spills and containment is posted and a part of employee information.

He stated the only correspondence or notices from any governmental agency relating to past or current violations of environmental laws with respect to the site pertain to aforementioned USTs. He reported there are no incidents relating environmental liens or hazardous substance releases, no pending, threatened, or past litigation relevant to hazardous substances or petroleum products, no pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products, or no notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products in, on or from the property.

3.0 RECORDS REVIEW

A computer search of federal and state regulatory agency databases was conducted to investigate potential sources of environmental hazards on and off-site. Environmental Data Resources, Inc. (EDR) generated the resulting report for the subject property identifying sites within ASTM standard parameters with potential to impact the site. This report, including maps and databases searched, is shown in the Appendix and summarized as follows.

3.1 NPL/CERCLIS Master Lists

The National Priorities List (NPL) of hazardous waste sites identifies sites for priority remediation under the Superfund Program. CERCLIS is an information system of the Environmental Protection Agency (EPA) containing data on property identified as abandoned, inactive, or uncontrolled hazardous waste sites which may require remediation, have been investigated, or are scheduled for investigation under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). The EDR report did not identify the subject property or any sites within a one mile radius of the subject property in the NPL database.

The subject property was not identified in the CERCLIS database, but one site was identified within 0.50 mi of the subject location. This site is adjoins the subject to the north and is shown as Huls America, Inc.

3.2 RCRA TSD Facilities List

RCRIS is an information system of the EPA containing data on sites as defined in the Resource Conservation and Recovery Act (RCRA) which Treat, Store, and/or Dispose (TSD) of hazardous waste. Neither the subject property nor other sites within 1.0 mi of the subject location were identified in the EDR report for this database.

3.3 RCRA Generator's List

RCRIS contains data on sites defined in RCRA which generate hazardous waste. These sites are typically characterized as Large Quantity Generators (LQG) if they produce more than 1000 kg of waste per month or Small Quantity Generators (SQG) if they produce between 100 kg and 1000 kg per month. Sites may be listed as Conditionally Exempt Generators (CEG) if they produce less than 100 kg of waste per month. The subject property was identified in the EDR report for this database being shown as a LQG site. Two sites within 0.25 mi of the subject location were identified as SQG sites and two sites were identified as LQG sites in the EDR Report for this database. Both the Hulls America, Inc. adjoining the subject to the north and Kaiser Aluminum adjoining the subject to the south were listed as LQG sites in the EDR Report. A listing of these sites is shown in the report in the appendix.

3.4 Registered Underground Storage Tanks (USTs)

A list of registered petroleum USTs are maintained in the Hazardous Substance Storage Container Database of the State Water Resources Control Board. USTs are regulated under Subtitle I of RCRA and must be registered to be in regulatory compliance. This includes data pertaining to UST location, type, age, size, material, product stored, monitoring, and spill prevention. The subject property was identified in the EDR Report for this database. Both NUODEX (aka Huls America, Inc.) adjoining to the north and Kaiser Aluminum adjoining to the south were listed in this database. One other site Hi-Rel Multilayer, Inc. at 5757 Sonoma Drive, east of the subject is listed in the EDR Report within 0.25 mi of PFC for this database.

3.5 Leaking Underground Storage Tanks (LUST)

The Leaking Underground Storage Tank Information System of the State Water Resources Control Board maintains a list of LUST sites. The subject property was not identified in the EDR Report for this database. Two sites were identified, each with two incidents reported, within 0.50 mi of the subject location in the EDR Report for this database. NUODEX (aka Huls America, Inc.) adjoining the site to the north and City of Pleasanton Corporate Yard (city maintenance facility) at 5353 Sunol Blvd. which is to the north of the subject property.

3.6 State Landfill Facilities

The Solid Waste Information System of the Integrated Waste Management Board maintains a list of registered landfill facilities and disposal sites. The EDR report did not identify any of these sites within a 0.5 mile radius of the subject property.

3.7 Environmentally Sensitive Areas

Property containing evidence of wetland and/or endangered and threatened species are considered to be environmentally sensitive areas. There were no environmentally sensitive areas observed on the subject property during the site visit. However, a stream located to the south and in proximity to PFC was observed to exhibit wetland characteristics.

Wetlands were not identified in data reviewed or during the site visit for this study. However, a study to define and delineate wetlands is beyond the scope of this report. A study of the water, soil, and vegetation regime for wetlands determination may be required if excavation or filling of any area that may potentially be defined as a wetland is contemplated.

3.8 Miscellaneous Databases Searched for the Subject Property

Other databases searched for this report include Federal ERNS (Emergency Response Notification System) List, maintained for registration on hazardous substances releases or spills, FINDS (Facility Index System), HMIRS (Hazardous Materials Information Reporting System), spill incidents reported to DOT, PADS (PCB Activity Database System), TRIS (Toxic Chemical Release Inventory System), identifies facilities which release toxic chemicals to the air, water, and land in reportable quantities, and NPL Liens, EPA maintained list of liens recorded for recovery of expenses under Superfund remediation. No sites were listed within ASTM parameters in the EDR report for these databases, except Huls America, Inc. adjoining the site to the north is shown in the TRIS and TSCA (Toxic Substance Control Act) databases.

Corrective Action Report (CORRACTS) is an EPA database identifying hazardous waste handlers with RCRA corrective action activity. The EDR Report did not identify the subject property or sites within a 1.0 mi radius in this database.

CAL-SITES (ASPIS) database is a listing of known and potential hazardous waste sites and contains both known and potential sites. While the subject property was not identified for this database, two sites were identified within a 1.0 mi radius of the subject location were identified in the EDR Report. These include:
Tenneco Chemicals, Inc.,5555 Sunol Blvd. (Huls America, Inc.)
Kaiser Center for Technology, 6177 Sunol Blvd. (adjoins to south)

The Hazardous Waste Information System (HWIS) database identifies hazardous waste generators and hazardous waste treatment, storage, and disposal facilities in the state of California. The source is the California Environmental Protection Agency (CEPA). The subject property was identified in the EDR Report for this database, and one site was identified within 0.125 mi of the subject location which is NUODEX adjoining the site to the north.

CORTESE is a database identifying public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information. The subject property was not identified in the EDR Report for this database, but 6 sites were identified within a 1.00 mi radius of the subject location. Those sites in proximity to the subject include:
NUODEX, adjoining the site to the north
Kaiser Aluminum & Chemical Corp, adjoining the site to the south
Kaiser Center for Technology, adjoining the site to the south
City of Pleasanton Corp Yard, to the north
Other sites to the north and greater than 0.50 mi from PFC include:
Exxon, 349 Main Street and Alameda County Fairgrounds

CHMIRS is a database with information contained by the California Hazardous Material Incident Report System compiled by the California Office of Emergency Services. The subject property was not identified for this database in the EDR Report. Four sites were identified within 1.00 mi of the subject location, which are:
423 Mission Drive
6596 Lancing Court
549 Main Street
640 Happy Valley Road
None are shown being located within 0.50 mi of the subject property.

3.9 Interview Sources

Numerous reports for the PFC site prepared by the Pleasanton Fire Department were reviewed for this report.

Reports from the county planning department were reviewed relating to planned previous use of adjoining land to the west and data for the subject area.

3.10 Property Physical Setting

The Dublin,CALIF, 7.5 Minute, USGS Topographic Map shows the property to be relatively flat and very gently sloping to the west. While surface water streams are not shown on the subject property, flowing streams are shown to the north and south in proximity to the site which show a westerly flow draining the area into Arroyo de la Laguna. This stream is shown trending to the southeast at the foot of the Pleasanton Ridge.

The PFC site is shown situated at the edge of a locally broad plain. The subject location elevation is shown to be approximately 360 ft above sea level. A copy of the topographic map is shown in the appendix.

3.11 Historical Sources

3.11.1 Title Information

NOT SUPPLIED TO DATE.

3.11.2 Aerial Photographs

Aerial photos have been shown to be one source of historical information in developing the past use of a subject property and surrounding area. Aerial photographs were not available from PFC. However, in a report prepared for the development of the adjoining property to the west owned by the City of San Francisco Water Department, aerial photographs were reviewed from 1957 to 1986.

The report states in 1957 and 1959 photos I-680 is not present, land use is agricultural, and evaporation ponds at the old Pleasanton Wastewater Treatment Plant are present. In 1966, I-680 is under construction and the area is agricultural. In 1969 Kaiser is shown and application of the wastewater and sludge to the tract adjoining to the west apparent. Application of wastewater and sludge are shown in photos into the 1980's.

3.11.3 Directories

City Directories are published to supply a list of residents, businesses, and streets. Addresses are cross-referenced to locate and define the resident or business occupant. Directories reviewed by EDR for this report did not identified the subject location and other properties in proximity to the site. This information is included in the Appendix.

3.11.4 Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps have become a valuable historical resource for the evaluation of potential site contamination based on historical use. Map coverage is most comprehensive in urban core areas and older suburbs. Rural areas were generally not mapped.

The EDR report did not identify the subject property on any available fire insurance maps.

4.0 INFORMATION from SITE RECONNAISSANCE AND INTERVIEWS

4.1 Improvement Interior Observations

All improvements are reported to be heated by natural gas forced air units and electric air conditioners.

No interior stains or corrosion were observed other than those of a minor nature from normal work activities. Spill control materials and kits are located with easy access for personnel.

A station is located in the warehouse for charging the batteries of the forklifts.

Floor drains were identified in the building which were reported to drain the cooler and freezer floor which apparently flow directly into the storm water sewer with no processing.

The warehouse contains sprinklers for fire control.

4.2 Site Exterior Observations

There were no pits, ponds, streams, or lagoons observed on the subject property during the site investigation.

Minimal stains were present on pavement during the site inspection, apparently resulting from normal activity of trucks and equipment. Asphalt parking areas are located to the east, south, and west of the building. Exterior water drains apparently flow directly into the storm water sewer without processing. The truck shop floor drains are shown to drain into a sump. A truck/trailer wash rack is located in the loading dock area and apparently drains to the sump. The truck fueling station is located adjacent to the truck shop and does not contain spill containment structures.

The site was well kept. Unusual odors, debris, oily water, or indications of solid waste disposal were not observed during the site visit. Debris were not observed scattered about the site. Spill containment kits were observed readily available to personnel in the warehouse and truck shop areas.

The site is reported to be connected to the public sanitary and storm water sewer utilities. Public water utility supplies potable water to PFC and a water line leak was observed near the street. A septic tank or water supply well was not identified on-site in the site visit or reported to GCI in interviews. Five observation wells were reported to be located at the UST for vadose monitoring.

Noise abatement from commercial sites in Pleasanton may be a local requirement.

Two concerns were observed regarding adjoining properties relative to environmental impact to the PFC site. Storm water flows from the Kaiser property to the PFC property which could be a potential conduit for a release to impact the subject property. The paint manufacturer to the north has stored new and used paint in proximity to the PFC boundary.

4.3 Hazardous Substances On-Site

California is reported to consider waste oil and anti-freeze and associated materials as hazardous materials. Therefore,hazardous wastes were identified during the site visit. Used drain oil is stored on-site in 240 gallon AST. Anti-freeze is reported to be stored in a 55 gallon container, used oil filters in a 55 gallon container, and used absorbent in a 30 gallon container. All these materials are reported to be stored inside the shop building and recycled by Evergreen. New oil is reported to be stored in 270 gallon AST. Batteries are reported to be recycled by Delco and stored at the truck shop. Several 55 gallon metal drums were observed in the parking area with hazardous material labels.

A non-hazardous, citrus-based cleaner is used in the truck shop to clean parts instead of the standard solvent cleaners.

Chemicals used as soaps, cleaners, sanitizers, etc. were found stored in the warehouse in plastic 5 gallon or less containers which were stacked on pallets. These containers were found to be segregated from food products to limit potential exposure. MSDS information were found well documented in the shop and warehouse.

4.4 Storage Tanks

Two 20,000 gallon and one 6,000 gallon diesel USTs were installed in 1983. The USTs were identified as registered and reported to contain leak detection monitoring and inventory control. However, an inspection in April of 1995 by the Pleasanton Fire Department identified deficiencies in monitoring and record keeping. PFC's response to these deficiencies has not been identified as of the date of this report.

A 500 gallon new motor oil UST and a 600 gallon waste motor oil UST were removed in 1990. Closure efforts resulted in a no further corrective action status from the regulatory agency in 1991. (See Appendix)

One 150 gallon AST for the emergency generator is located near the building and is surrounded by a spill containment structure.

4.5 Indications of PCB's

Three electrical transformers are located on-site. Warning labels for PCB containing materials for these transformers was not observed during the site inspection. Florescent lighting was observed in the building during the site inspection.

4.6 Geology and Hydrology

The subject property is reported, in a local planning report, to lie in the southern part of the northwest trending Amador Valley in the Diablo Range, part of the Coast Ranges Geomorphic Province of California and is underlain by several hundred feet of sediments. The valley is bounded by belts of folded and faulted Mesozoic and Tertiary rocks. Major faults are identified as the Calaveras and Greenville with minor faults including the Amador, Las Positas, and Livermore Valley which have controlled the valley regional development. Alluvial sand, silts, clays, and gravels deposited by Arroyo de la Laguna underlie the subject location.

Borings drilled to evaluate soil in proximity to the USTs in 1990 show site soil to be sands and gravels near the surface becoming silts and clays to boring termination at 15 ft below land surface (bls). Groundwater is not reported in these borings.

Site specific groundwater information is not available for this report. However, groundwater flow is reported to follow surface topography and drainage in a westerly direction

4.7 Suspected Asbestos-Containing Materials

The date of construction for the building suggests construction materials should not contain asbestos. However, if demolition is planned in any future construction, an ACM determination is recommended to further assess building materials.

4.8 Sampling Procedures and Results

No sampling was conducted as such activity is beyond the scope of this report.

5.0 FINDINGS AND CONCLUSIONS

Garrett Consulting, Inc. (GCI) has performed a Phase I Environmental Site Assessment (ESA) of an approximately 11.5 acre improved parcel located at 5675 Sunol Blvd., Alameda County, Pleasanton, California in conformance with the scope and limitations of ASTM Practice E 1527-93.

Groundwater flow is assumed to follow topographic drainage in a westerly direction. Those sites adjoining to the site and in an arc to the east present potential to impact the subject location.

Off-site environmental concerns have been identified in the search of regulatory databases and listed in the EDR Report. The greatest potential for adverse environmental impact is suggested to be those sites identified upgradient of the subject location to the east, and those adjoining the subject property. Adjoining properties, Kiser and NUODEX (aka Huls America, Inc.), and City of Pleasanton Corp Yard are identified in multiple databases. Further study of regulatory agency files for these sites to identify environmental factors with respect to its potential for impact to the subject property is needed for evaluation.

Sites listed in other databases (SQG, LQG, UST sites) researched for this report may present potential to adversely impact the subject location. However, as of this date, no evidence of adverse impact from these sites was identified in regulatory records.

On-site environmental concerns identified in this study are related to storm water discharge and the USTs. The prior USTs are reported to have been removed within then current regulatory criteria. Current UST system is apparently barely in compliance with regulatory criteria and not considered adequate for the 1998 standards. One discrepancy in fuel consumption has been identified in 1994, and deficiencies have been identified in a 1995 regulatory inspection which apparently have not been addressed to date.

Storm water collection points and drains from the cooler and freezer are apparently connected to the storm water sewer without the benefit of processing in a clarifier or oil/water separator. The sump apparently collects discharge from the truck shop, wash rack, and fueling station which discharges into the storm water sewer.

Based on the data reviewed for this study, the overall site environmental liability rating is moderate. This assessment has identified the following recognized environmental conditions, which should be addressed or maintained to limit future environmental liability exposure or provide additional information evaluation:

- Existing USTs system should be upgraded to a system currently in operation at PFC sites in Orlando and Des Plaines. Deficiencies identified in the regulatory inspection should be addressed. Regular maintenance and testing of UST monitoring equipment should be conducted. Personnel who perform fueling operations, handle drums of oil, lubricants, and shop chemicals are apparently familiar with spill containment, clean-up, disposal, and reporting requirements. Spill containment kits should be well stocked and maintained. A containment structure should be constructed to contain fuel spills at the fueling station.

- Perform the file search of the City of Pleasanton Corp Yard and sites adjoining the PFC site. Evaluate file information relative to potential impact to the subject location.

- Determine if storm water system is in compliance with regulatory criteria and if discharge permit is needed. However, a system with storm water and floor drains flowing to an oil/water separator is recommended for spill containment and release prevention. All sumps and oil/water separators should be pumped monthly.

- Repair water line leak in front of the site near the street.

- Properly remove and dispose drums with hazardous labels in the parking area. All drums should be stored inside a contained structure.

- Request paint manufacturer to store new and used paint away from north property line. Request Kaiser Research to divert strom water flow away from PFC property.

6.0 REFERENCES

Dublin, CALIF. , U.S. Geological Survey 7.5 Minute Quadrangle, Topographic Map, 1961, Photorevised 1980.

The EDR-Radius Map with GeoCheck for Proficient Food Company, 5675 Sunol Blvd., Pleasanton, CA, 1 June 1995.

San Francisco Lands, Specific Plan for the Bernal Property,The Planning Collaborative, Inc. March, 1995.

Environmental Impact Report, Specific Plan for the Bernal Property, County of Alameda Planning Department, March, 1995.

Soil Investigation at Proficient Foods, 5675 Sunol Blvd., Pleasanton, California, Exceltech, June, 1990.

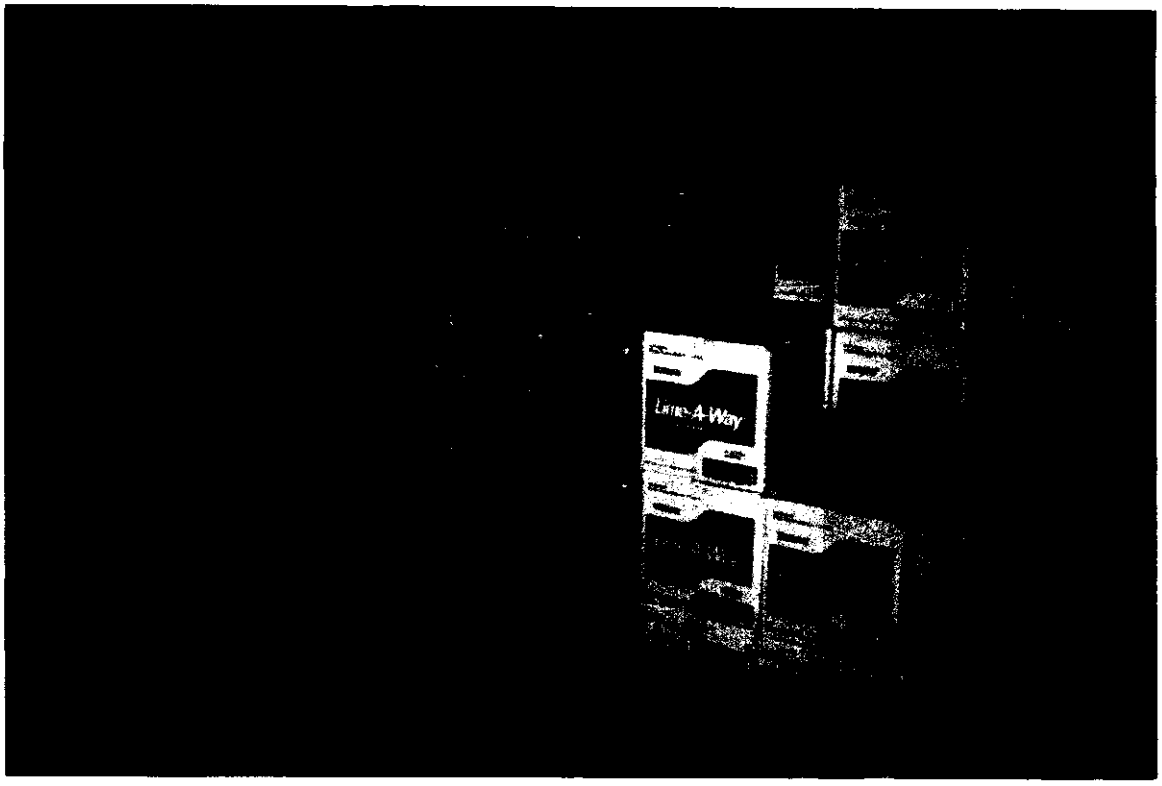
Tank Removal Closure Report for Proficient Food Company, 5675 Sunol Blvd., Pleasanton, California, January, 1991.

APPENDIX A

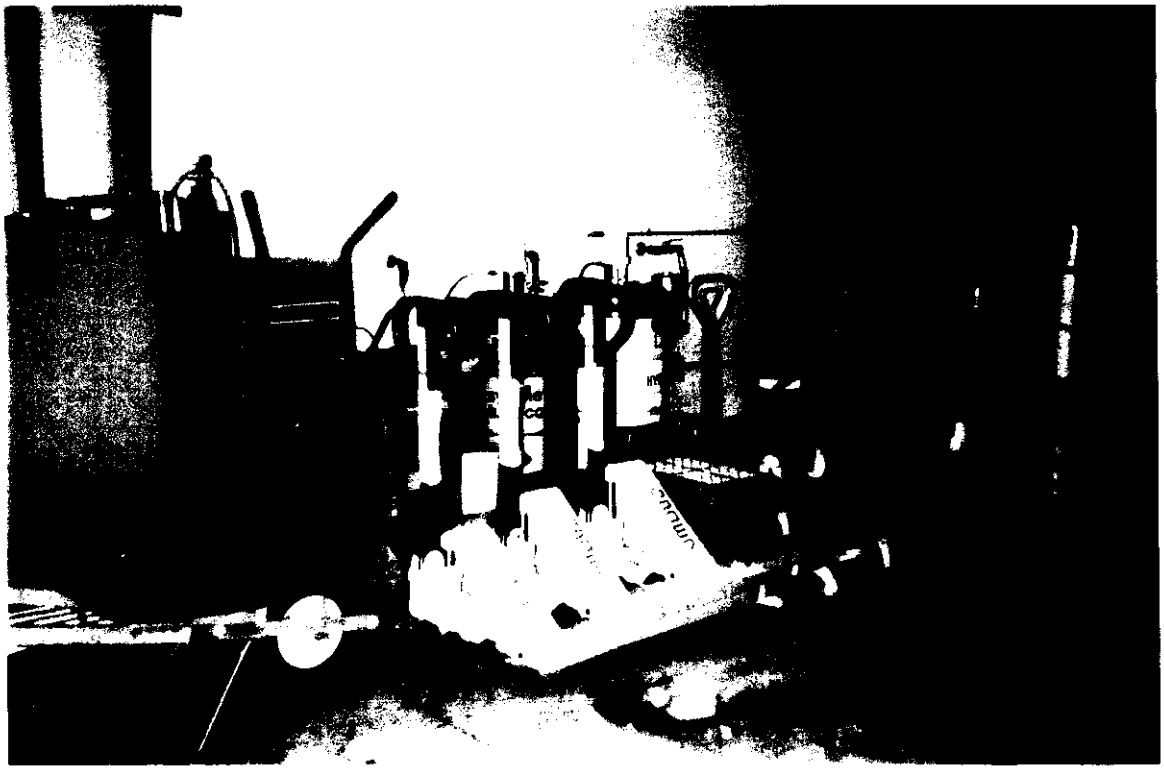
LEGAL DESCRIPTION

APPENDIX B

PHOTOGRAPHS



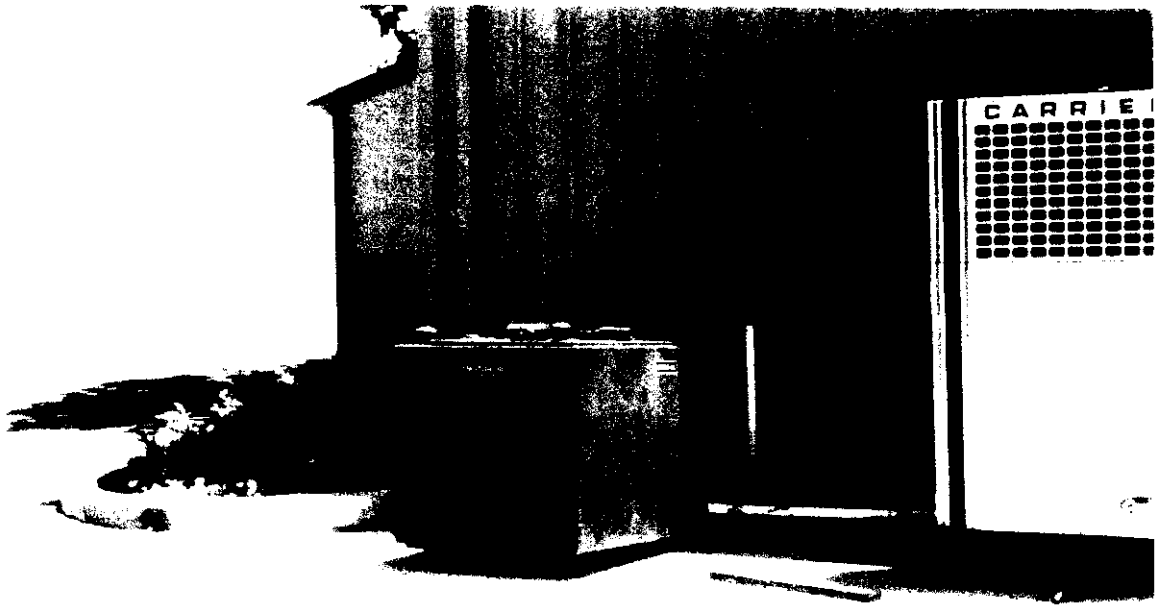
Warehouse Chemical Storage



Lube & Oil Storage

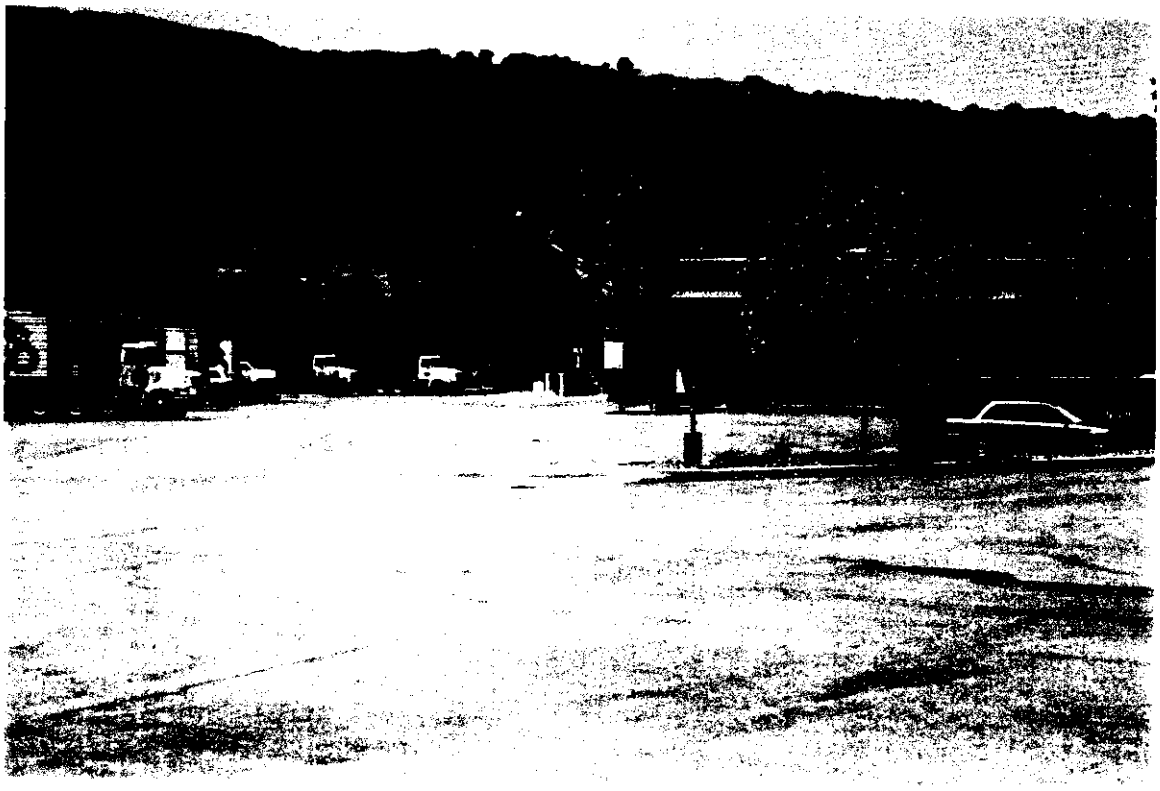
Proficient Food Company Distribution Center
Pleasanton, California

Emergency General Diesel 150-Gallon AST



Oil AST

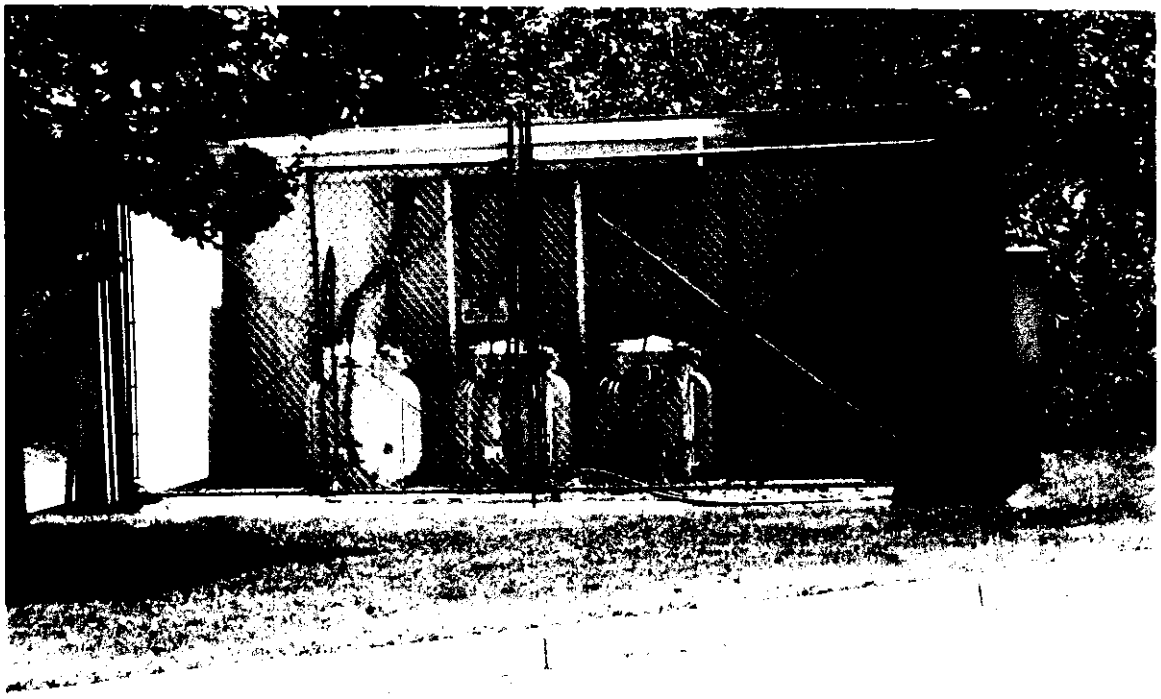
Proficient Food Company Distribution Center
Pleasanton, California



Parking Area - Storm Water Drainage - Fueling Station

Drums Stored in Parking Area

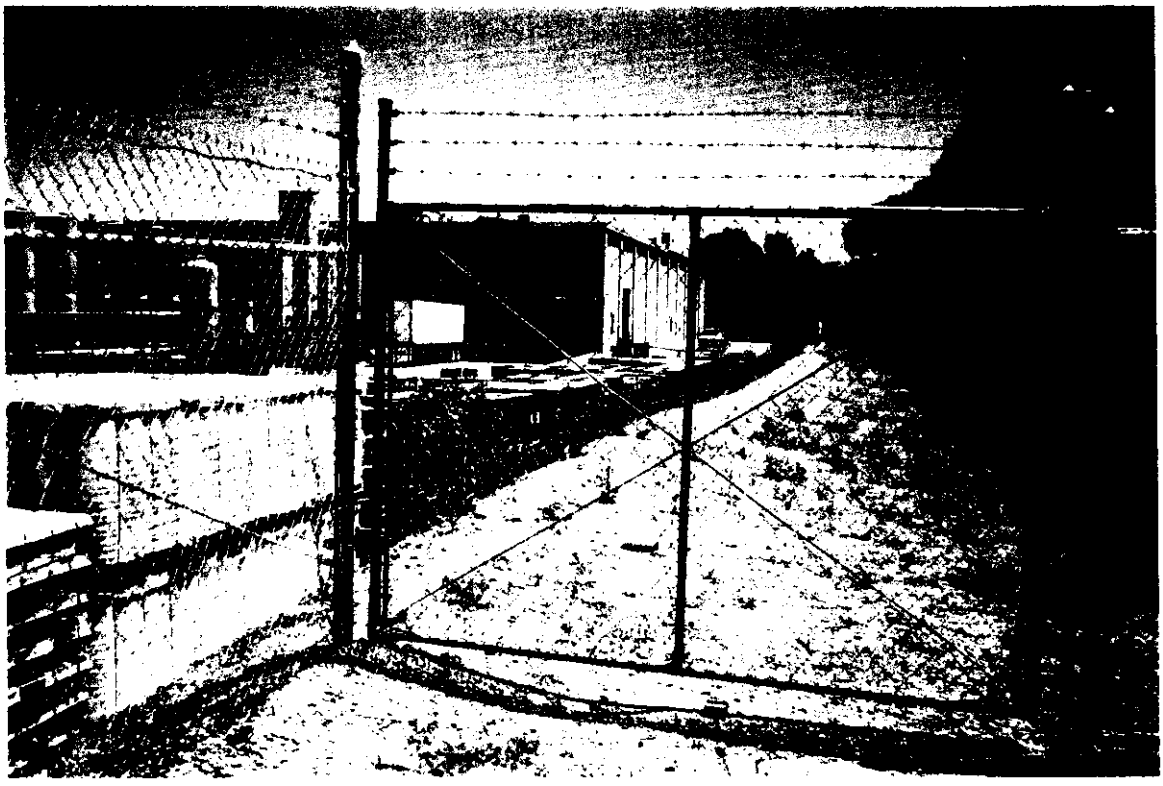
Proficient Food Company Distribution Center
Pleasanton, California



Transformers

Leak from Water Line

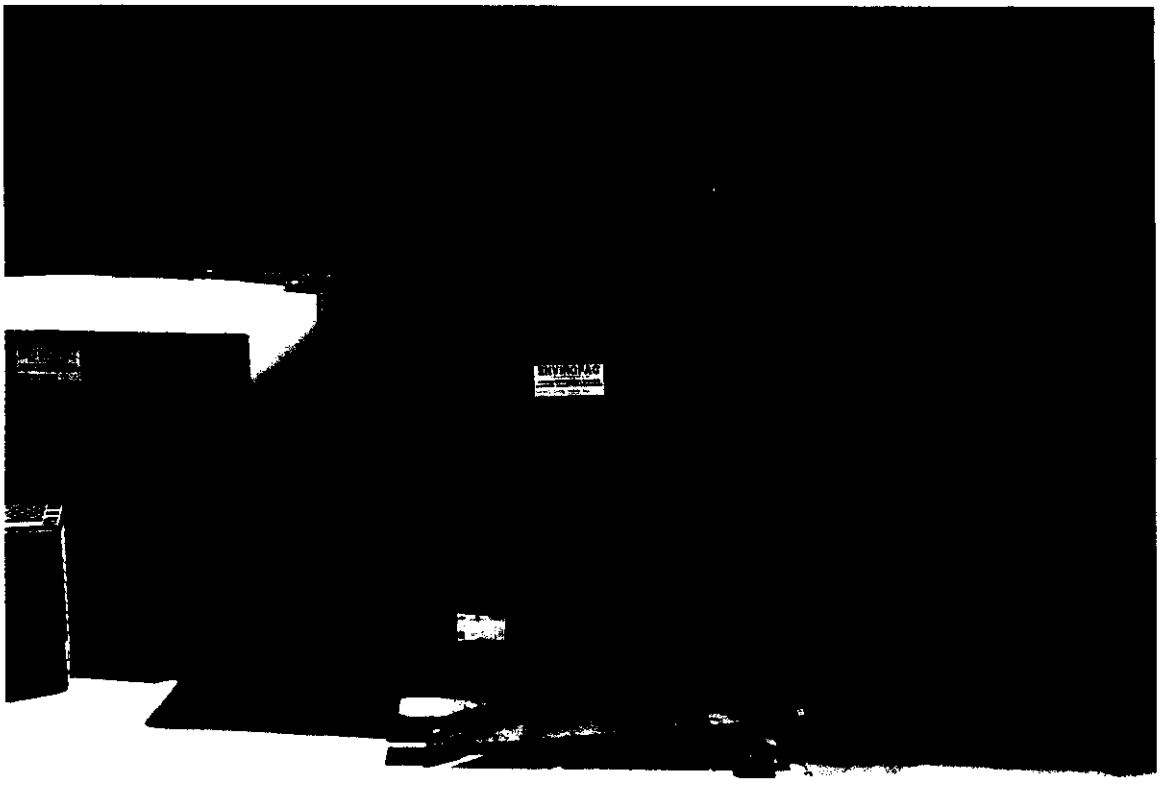
Proficient Food Company Distribution Center
Pleasanton, California



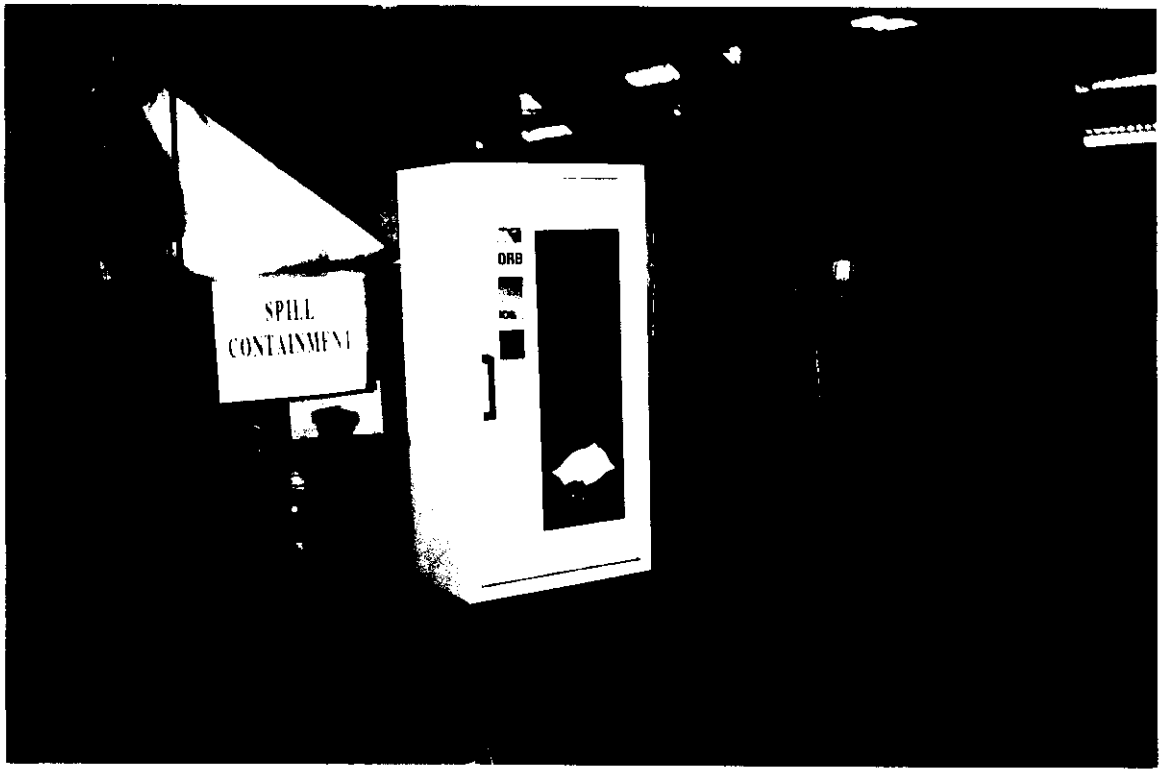
Paint Manufacturer - Storage along PFC Property

Drainage from Kaiser Property

Proficient Food Company Distribution Center
Pleasanton, California



Storage of Hazardous Materials



Spill Containment

Proficient Food Company Distribution Center
Pleasanton, California

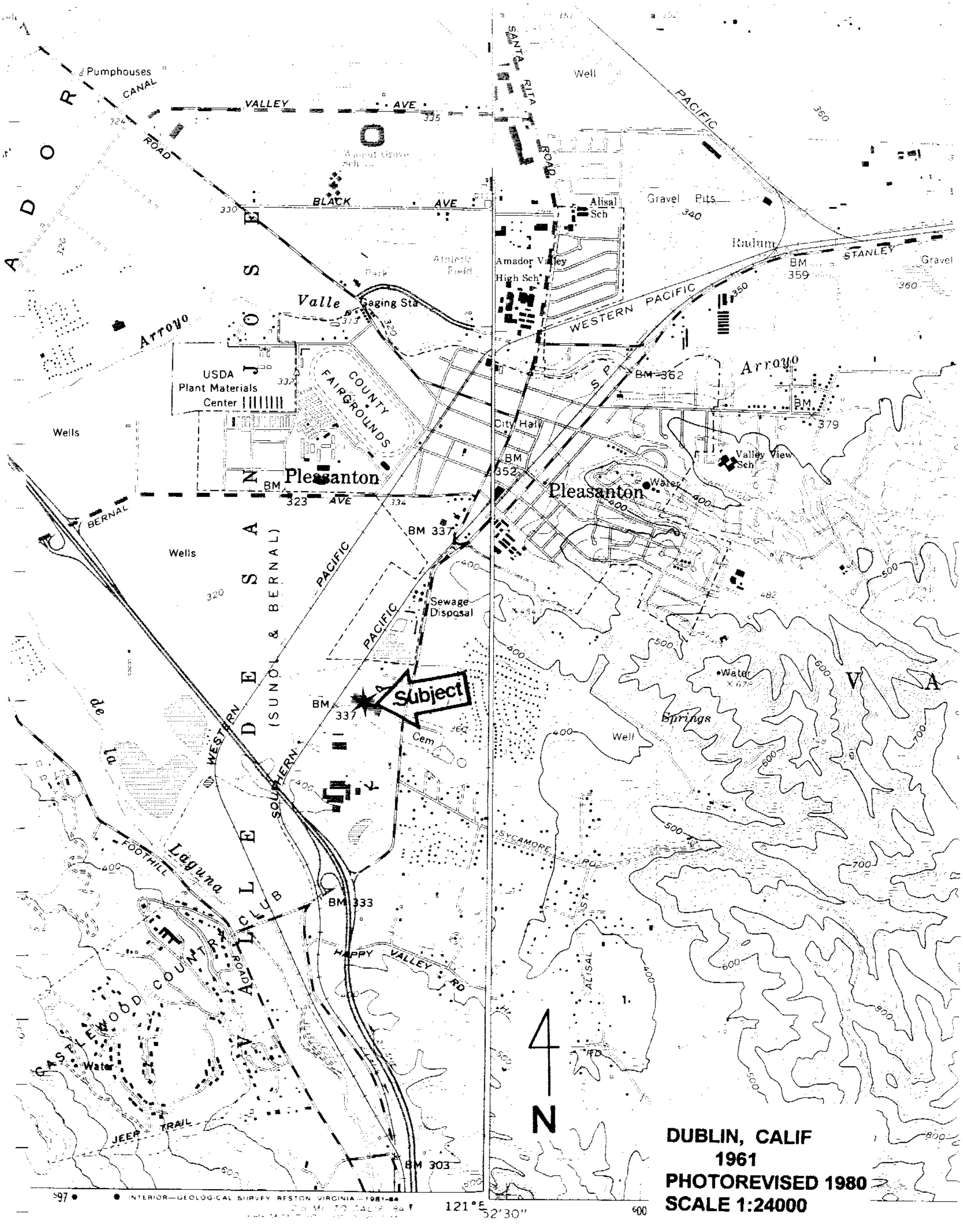
Absorbent placed for Easy Access

Spill Control

Proficient Food Company Distribution Center
Pleasanton, California

APPENDIX C

MAPS



Subject
N
DUBLIN, CALIF
1961
PHOTOREVISED 1980
SCALE 1:24000
Pleasanton
Pleasanton
County Fairgrounds
USDA
Plant Materials
Center
Amador Valley
High Sch
Alisal
Sch
City Hall
Valley View
Sch
Sewage
Disposal
Cem
Gravel Pits
Pumphouses
Canal
Valley Ave
Black Ave
Bernal Ave
Santa Rita Road
Stanley
Western Pacific
Southern Pacific
Sycamore Rd
Happy Valley Rd
Foothill Road
Laguna
Arroyo Valle
Arroyo
Gaging Sta
Wells
Well
Springs
Water
Castlewood Country Club
Jeep Trail
Alisal St
(Sunol & Bernal)
BM 337
BM 333
BM 303
BM 352
BM 362
BM 323
BM 359

APPENDIX D

DATABASE SEARCH, EDR REPORT

The EDR-Radius Map
with GeoCheck™

Proficient Food Co.
5675 Sunol Blvd.
Pleasanton, CA 94566

Inquiry Number: 78343.9s

June 01, 1995

Environmental Data Resources, Inc.

Creators of Toxicheck/®

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

REVIEW OF ENVIRONMENTAL RECORDS MAINTAINED BY GOVERNMENT AGENCIES AND PRIVATE SOURCES

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The search met the specific requirements of ASTM Standard Practice for Environmental Site Assessments, E-1527-94, including those associated with governmental databases, search distances and data currency. The detailed EDR report, dated 06/01/95, is included as an appendix to this summary report.

The address of the subject property for which the search was intended is:

5675 SUNOL BLVD.
PLEASANTON, CA 94566

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the subject property or within the ASTM E-1527-94 search radius around the subject property for the following Databases:

NPL:	National Priority List
RCRIS-TSD:	Resource Conservation and Recovery Information System
AWP:	Annual Workplan
Notify 65:	Proposition 65
Toxic Pits:	Toxic Pits
CORRACTS:	Corrective Action Report
State LF (SWIS):	Solid Waste Information System
RAATS:	RCRA Administrative Action Tracking System
SWAT:	Solid Waste Assessment Test Program
HMIRS:	Hazardous Materials Information Reporting System
PADS:	PCB Activity Database System
ERNS:	Emergency Response Notification System
TRIS:	Toxic Chemical Release Inventory System
TSCA:	Toxic Substances Control Act
NPL Liens:	Federal Superfund Liens
Site Mitigation:	Site Mitigation Complaint Control Log
Industrial Sites:	List of Industrial Site Cleanups
CA Unauth Rel (HE17):	Unauthorized Release Listing on Disk
CA Nonfuel Leaks:	North Bay Counties
CA Bond Exp. Plan:	Bond Expenditure Plan
Coal Gas:	Former Manufactured gas (Coal Gas) Sites

Unmapped (orphan) sites are not considered in the foregoing analysis.

Search Results:

Search results for the subject property and the search radius, are listed below:

Subject Property:

The subject property was identified in the following government records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
PROFICIENT FOOD CO 5675 SONOL BLVD PLEASANTON, CA 94566	FINDS RCRIS-LQG UST	CAD981683261
DISTRIBUTION CENTER 5675 SUNOL BLVD. PLEASANTON, CA 94566	UST	N/A

REVIEW OF ENVIRONMENTAL RECORDS MAINTAINED BY GOVERNMENT AGENCIES AND PRIVATE SOURCES

PROFICIENT FOOD CO
5675 SONOL BLVD
PLEASANTON, CA 94566

HWIS N/A

REVIEW OF ENVIRONMENTAL RECORDS MAINTAINED BY GOVERNMENT AGENCIES AND PRIVATE SOURCES

Surrounding Properties:

Sites with an elevation equal to or higher than the subject property are in the left hand column; those with a lower elevation are in the right hand column. Page numbers refer to the EDR Radius Map report (attached as an appendix) where detailed data on individual sites may be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

CAL-SITES: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control.

A review of the Cal-Sites list, as provided by EDR, and dated 02/24/1995 has revealed that there are 2 Cal-Sites sites within approximately 1 Mile of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
TENNECO CHEMICALS INC	10		
KAISER CENTER FOR TECHNOLOGY	12		

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 12/31/1991 has revealed that there are 4 CHMIRS sites within approximately 1 Mile of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
423 MISSION DR.	12		
6596 LANCING COURT	12		
549 MAIN ST.	15		
640 HAPPY VALLEY ROAD	15		

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, and dated 12/31/1994 has revealed that there are 6 Cortese sites within approximately 1 Mile of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
NUODEX	***9***	ALAMEDA COUNTY FAIRGROUNDS	16
CITY OF PLEASANTON CORP YARD	***12***		
KAISER ALUMINUM & CHEMICAL CORP	***13***		
KAISER CENTER FOR TECHNOLOGY	15		
EXXON	15		

REVIEW OF ENVIRONMENTAL RECORDS MAINTAINED BY GOVERNMENT AGENCIES AND PRIVATE SOURCES

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains information on sites identified by the United States Environmental Protection Agency (U.S. EPA) as known or suspected abandoned, inactive or uncontrolled hazardous waste sites that may require cleanup. The source of this database is the U.S. EPA.

A review of the CERCLIS list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CERCLIS site within approximately 0.5 Miles of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
HULS AMERICA INC	***9***		

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data comes from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 01/31/1995 has revealed that there are 4 LUST sites within approximately 0.5 Miles of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
NUODEX	9		
NUODEX	10		
CITY OF PLEASANTON CORP YARD	11		
CITY OF PLEASANTON CORP YARD	***12***		

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data comes from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 UST sites within approximately 0.25 Miles of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
PLEASANTON PLANT-NUODEX	9		
HI-REL MULTILAYER INC.	10		

HWIS: The Hazardous Waste Information System database identifies hazardous waste generators and hazardous waste treatment, storage, and disposal facilities in the state of California. The source is the California Environmental Protection Agency.

A review of the HWIS list, as provided by EDR, and dated 12/31/1993 has revealed that there is 1 HWIS site within approximately 0.125 Miles of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
NUODEX	***9***		

REVIEW OF ENVIRONMENTAL RECORDS MAINTAINED BY GOVERNMENT AGENCIES AND PRIVATE SOURCES

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 01/31/1995 has revealed that there are 2 RCRIS-SQG sites within approximately 0.25 Miles of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
COOPER LASERSONICS, INC	*11*		
RALEYS 396	11		

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 01/31/1995 has revealed that there is 1 RCRIS-LQG site within approximately 0.25 Miles of the subject property.

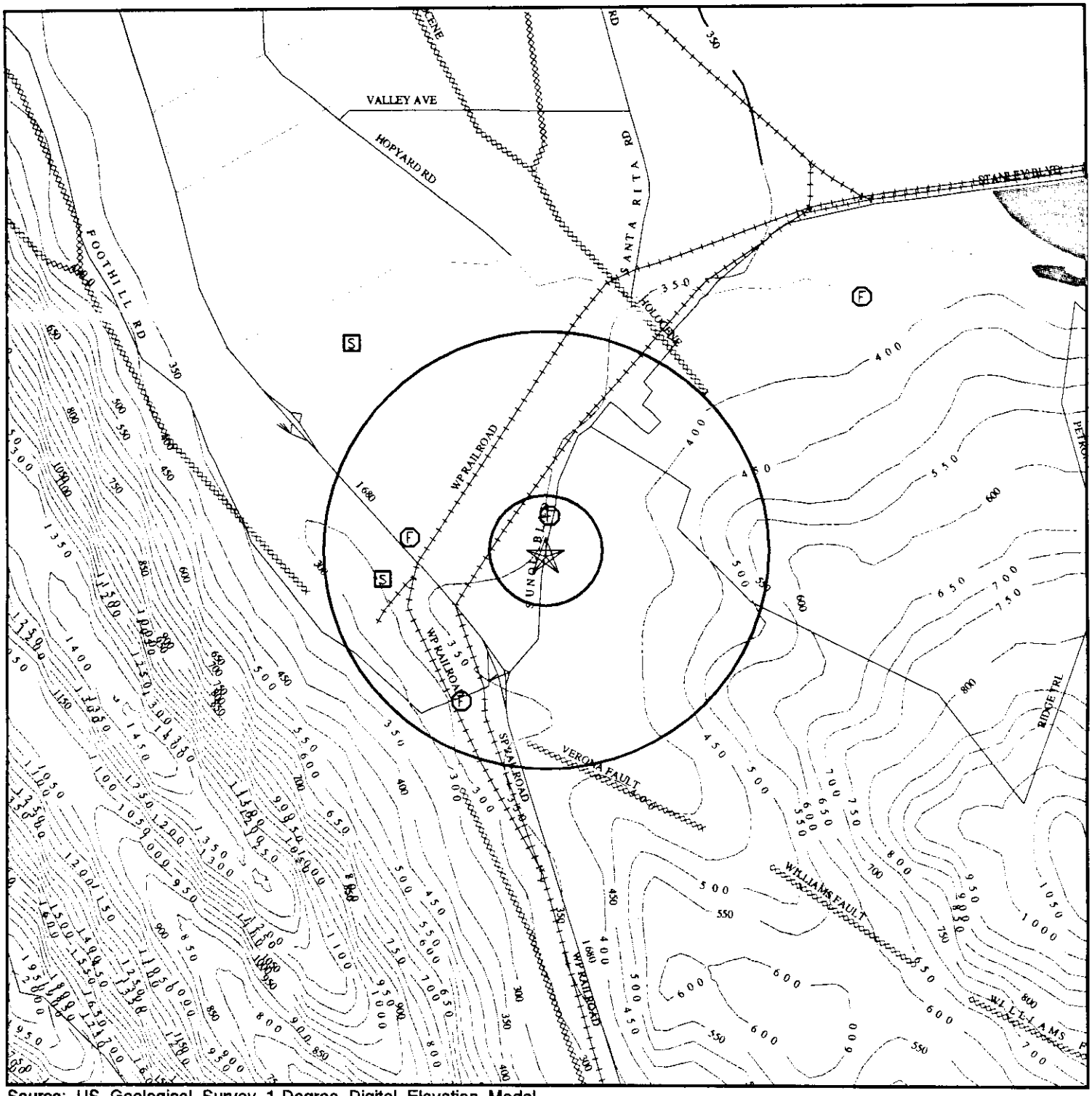
Equal/Higher Elevation	Page	Lower Elevation	Page
HULS AMERICA INC	*9*		

REVIEW OF ENVIRONMENTAL RECORDS MAINTAINED BY GOVERNMENT AGENCIES AND PRIVATE SOURCES

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
SANTA RITA REHABILITATION CENTER	Cal-Sites
GENERAL ELECTRIC CO., VALLECITOS NUCLEAR	Cal-Sites
LAWRENCE LIVERMORE NATL LAB-CAMP PARKS	CERCLIS,RCRIS-LQG
CAMP PARKS COMMUNICATION ANNEX	CERCLIS
PRIVATE RESIDENCE	UST
HERMAN F. KOOPMANN RANCH	UST
SUNOL FOREST FIRE STATION	UST
OAK HILLS CLEANERS	HWIS
OAK HILLS CLEANERS	RCRIS-SQG,FINDS

TOPOGRAPHIC MAP - 78343.9s - Garrett Consulting, Inc.



Source: US Geological Survey 1-Degree Digital Elevation Model
Compiled 09/15/92

0 1/4 1/2 1 2
Miles

- Major Roads
- Contour lines (25 foot interval unless otherwise shown)
- Waterways
- Earthquake fault lines
- Earthquake epicenter, Richter 5 or greater.
- (F)(S) - Closest well according to (F)ederal or (S)tate database in quadrant.
- (P) - Closest public water supply well.

TARGET PROPERTY:	Proficient Food Co.	CUSTOMER:	Garrett Consulting, Inc.
ADDRESS:	5675 Sunol Blvd.	CONTACT:	Don Watson
CITY/STATE/ZIP:	Pleasanton CA 94566	INQUIRY #:	78343.9s
LAT/LONG:	37.6480 / 121.8801	DATE:	May 31, 1995

GEOCHECK VERSION 2.1
SUMMARY

GEOLOGIC AGE IDENTIFICATION†

Geologic Code:	Tpc
Era:	Cenozoic
System:	Tertiary
Series:	Pliocene

ROCK STRATIGRAPHIC UNIT

Category:	Continental Deposits

GROUNDWATER FLOW INFORMATION

General Topographic Gradient:	General WNW
General Hydrogeologic Gradient:	The hydrogeologic data for this report indicates that groundwater flow generally is to the SW. However, because of the number and/or location of wells, the various depths of aquifers or other insufficient data, the direction of groundwater flow is uncertain.

Note: In a general way, the water table typically conforms to surface topography.‡

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property:	2437121-F8 DUBLIN, CA

FEDERAL DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP	LITHOLOGY	DEPTH TO WATER TABLE
North	1/8 - 1/4 Mile	Allivimum	44 ft.
East	1 - 2 Miles	Not Reported	62 ft.
South	1/2 - 1 Mile	Not Reported	22 ft.
West	1/2 - 1 Mile	Not Reported	36 ft.

STATE DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP
Northern	1 - 2 Miles
Western	1/2 - 1 Mile

PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Zip Code.

For detailed information on the Public Water Supply Systems in the TP area refer to the GeoCheck Addendum.

AREA RADON INFORMATION

Zip Code: 94566

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.700 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

† Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994)

‡ U.S. EPA Ground Water Handbook, Vol I, Ground Water and Contamination, Office of Research and development EPA/625/6-90/016a,Chapter 4, page 78, September 1990

OVERVIEW MAP - 78343.9s - Garrett Consulting, Inc.

★ - Indicates TARGET PROPERTY.

▲ - Indicates sites at elevations higher than or equal to the target property.

◆ - Indicates sites at elevations lower than the target property.

- Coal Gasification Sites (if requested)

□ - National Priority List Sites

0 1/4 1/2 1

Miles

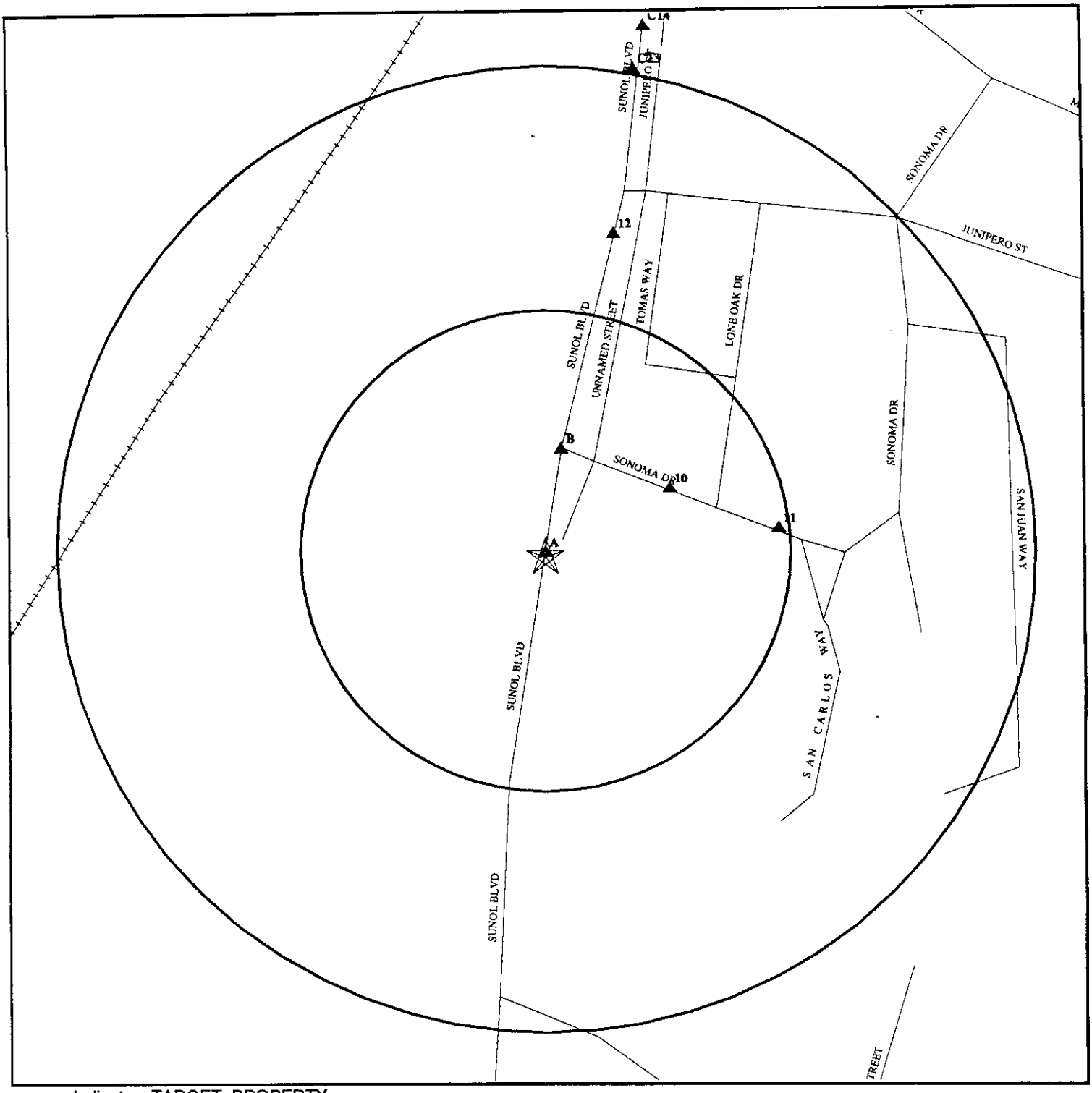
N

- Power transmission lines (USGS DLG, 1993)

- Oil & Gas pipelines (USGS DLG, 1993)

TARGET PROPERTY:	Proficient Food Co.	CUSTOMER:	Garrett Consulting, Inc.
ADDRESS:	5675 Sunol Blvd.	CONTACT:	Don Watson
CITY/STATE/ZIP:	Pleasanton CA 94566	INQUIRY #:	78343.9s
LAT/LONG:	37.6480 / 121.8801	DATE:	May 31, 1995

DETAIL MAP - 78343.9s - Garrett Consulting, Inc.



★ - Indicates TARGET PROPERTY.

▲ - Indicates sites at elevations higher than or equal to the target property.

◆ - Indicates sites at elevations lower than the target property.

- Coal Gasification Sites (if requested)

- Sensitive Receptors

□ - National Priority List Sites

0 1/8 1/4

Miles

- Power transmission lines (USGS DLG, 1993)

- Oil & Gas pipelines (USGS DLG, 1993)

TARGET PROPERTY:	Proficient Food Co.	CUSTOMER:	Garrett Consulting, Inc.
ADDRESS:	5675 Sunol Blvd.	CONTACT:	Don Watson
CITY/STATE/ZIP:	Pleasanton CA 94566	INQUIRY #:	78343.9s
LAT/LONG:	37.6480 / 121.8801	DATE:	May 31, 1995

MAP FINDINGS SUMMARY SHOWING
ALL SITES

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
RCRIS-TSD		1.000	0	0	0	0	NR	0
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	1	0	0	1	NR	2
Notify 65		1.000	0	0	0	0	NR	0
CHMIRS		1.000	0	0	2	2	NR	4
Cortese		1.000	1	0	1	4	NR	6
Toxic Pits		1.000	0	0	0	0	NR	0
CERCLIS		0.500	1	0	0	NR	NR	1
CORRACTS		1.000	0	0	0	0	NR	0
St. Landfill (SWIS)		0.500	0	0	0	NR	NR	0
LUST		0.500	2	0	2	NR	NR	4
UST	X	0.250	2	0	NR	NR	NR	2
RAATS		TP	NR	NR	NR	NR	NR	0
SWAT		0.500	0	0	0	NR	NR	0
HWIS	X	0.125	1	NR	NR	NR	NR	1
RCRIS Sm. Quan. Gen.		0.250	1	1	NR	NR	NR	2
RCRIS Lg. Quan. Gen.	X	0.250	1	0	NR	NR	NR	1
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
Site Mitigation		TP	NR	NR	NR	NR	NR	0
Industrial Site		TP	NR	NR	NR	NR	NR	0
CA Unauth Rel. (HE17)		TP	NR	NR	NR	NR	NR	0
CA Nonfuel Leaks		TP	NR	NR	NR	NR	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

MAP FINDINGS SUMMARY SHOWING
ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
RCRIS-TSD		1.000	0	0	0	0	NR	0
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	1	0	0	1	NR	2
Notify 65		1.000	0	0	0	0	NR	0
CHMIRS		1.000	0	0	2	2	NR	4
Cortese		1.000	1	0	1	3	NR	5
Toxic Pits		1.000	0	0	0	0	NR	0
CERCLIS		0.500	1	0	0	NR	NR	1
CORRACTS		1.000	0	0	0	0	NR	0
St. Landfill (SWIS)		0.500	0	0	0	NR	NR	0
LUST		0.500	2	0	2	NR	NR	4
UST	X	0.250	2	0	NR	NR	NR	2
RAATS		TP	NR	NR	NR	NR	NR	0
SWAT		0.500	0	0	0	NR	NR	0
HWIS	X	0.125	1	NR	NR	NR	NR	1
RCRIS Sm. Quan. Gen.		0.250	1	1	NR	NR	NR	2
RCRIS Lg. Quan. Gen.	X	0.250	1	0	NR	NR	NR	1
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
Site Mitigation		TP	NR	NR	NR	NR	NR	0
Industrial Site		TP	NR	NR	NR	NR	NR	0
CA Unauth Rel. (HE17)		TP	NR	NR	NR	NR	NR	0
CA Nonfuel Leaks		TP	NR	NR	NR	NR	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A3 Target Property

PROFICIENT FOOD CO
5675 SONOL BLVD
PLEASANTON, CA 94566

FINDS 1000229147
RCRIS-LQG CAD981683261
UST

RCRIS:
Owner: PROFICIENT FOOD CO
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(415) 484-1880

Waste	Quantity	Info Source	Waste	Quantity	Info Source
D000	Not reported	Notification	D001	Not reported	Notification
F002	Not reported	Notification			

CA UST ID#: 00000046079
Tank #: 1 | Container #: 1 | Capacity #: 00000500
Year Installed: 1983 | Tank Used for: WASTE
Type of Fuel: N/A | Tank Construction: N/A
Leak Detection: Pressure Test

CA UST ID#: 00000046079
Tank #: 2 | Container #: 2 | Capacity #: 00005000
Year Installed: 1983 | Tank Used for: PRODUCT
Type of Fuel: UNLEADED | Tank Construction: N/A
Leak Detection: Pressure Test

CA UST ID#: 00000046079
Tank #: 3 | Container #: 3 | Capacity #: 00020000
Year Installed: 1983 | Tank Used for: PRODUCT
Type of Fuel: DIESEL | Tank Construction: N/A
Leak Detection: Pressure Test

CA UST ID#: 00000046079
Tank #: 4 | Container #: 4 | Capacity #: 00020000
Year Installed: 1983 | Tank Used for: PRODUCT
Type of Fuel: DIESEL | Tank Construction: N/A
Leak Detection: Pressure Test

CA UST ID#: 00000046079
Tank #: 5 | Container #: 5 | Capacity #: 00000500
Year Installed: 1983 | Tank Used for: WASTE
Type of Fuel: WASTE OIL | Tank Construction: N/A
Leak Detection: Pressure Test

A2 Target Property

DISTRIBUTION CENTER
5675 SUNOL BLVD.
PLEASANTON, CA 94566

UST U001597997
N/A

CA UST: N/A

A1 Target Property

PROFICIENT FOOD CO
5675 SONOL BLVD
PLEASANTON, CA 94566

HWIS S100871378
N/A

HWIS: N/A

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
B4 North < 1/8 Higher	PLEASANTON PLANT-NUODEX 5555 SUNOL BLVD PLEASANTON, CA 94566	UST	U001598091 N/A

CA UST ID#: 00000028157

Tank #:	1	Container #:	UT-1	Capacity #:	00006000
Year Installed:	1975	Tank Used for:	PRODUCT		
Type of Fuel:	N/A	Tank Construction:	N/A		
Leak Detection:	GW Monitoring Well				

CA UST ID#: 00000028157

Tank #:	2	Container #:	UT-2	Capacity #:	00006000
Year Installed:	1975	Tank Used for:	PRODUCT		
Type of Fuel:	N/A	Tank Construction:	N/A		
Leak Detection:	GW Monitoring Well				

CA UST ID#: 00000028157

Tank #:	3	Container #:	UT-3	Capacity #:	00006000
Year Installed:	1975	Tank Used for:	PRODUCT		
Type of Fuel:	N/A	Tank Construction:	N/A		
Leak Detection:	GW Monitoring Well				

B5 North < 1/8 Higher	NUODEX 5555 SUNOL BLVD PLEASANTON, CA 94566	LUST	S101163670 N/A

LUST Region 2:

Facility ID:	Not reported	Solvent:	01NBC0032
Status:	Preliminary site assessment underway		

B6 North < 1/8 Higher	NUODEX 5555 SUNOL BLVD PLEASANTON, CA 94566	HWIS Cortese	S100226945 N/A

HWIS:

Waste Category:	Unspecified solvent mixture		
Tons:	0000009607	Handling method:	Recycler
Waste Category:	N/A		
Tons:	0000009837	Handling method:	Landfill
Waste Category:	N/A		
Tons:	0000002085	Handling method:	Not Specified
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)		
Tons:	0000000236	Handling method:	Recycler

CORTESE:

Facility ID:	CAD076543503	Data Source:	HWIS
Facility ID:	Not reported	Data Source:	LTANK

B7 North < 1/8 Higher	HULS AMERICA INC 5555 SUNOL BLVD PLEASANTON, CA 94566	CERCLIS FINDS TRIS TSCA RCRIS-LQG	1000373269 CAD076543503

CERCLIS Classification Data:

Site Incident Category:	Not reported	Federal Facility:	NO
Ownership Status:	UNKNOWN	NPL Status:	NOT ON NPL
EPA Notes:	Not reported		

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

HULS AMERICA INC (Continued) 1000373269

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	03/01/85
Assessment:	PRELIMINARY ASSESSMENT	Completed:	04/01/87
Assessment:	PRELIMINARY ASSESSMENT	Completed:	02/01/88

CERCLIS Site Status:
This site is currently under investigation by the government to assess the extent of further action
CERCLIS Alias Names: Not Reported

RCRIS:
Owner: HULS AMERICA INC
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(415) 462-5700

Waste	Quantity	Info Source	Waste	Quantity	Info Source
D001	Not reported	Notification	D004	Not reported	Notification
K002	Not reported	Notification	K003	Not reported	Notification
K004	Not reported	Notification	K006	Not reported	Notification
K007	Not reported	Notification			

Other Pertinent Environmental Activity Identified at Site:
facility has an emission permit under the Clean Air Act

B8 North < 1/8 Higher — NUODEX, 5555 SUNOL BLVD, PLEASANTON, CA 94566 — LUST — S101321446 / N/A

LUST:

Facility ID:	01NBC0032	Cross Street:	Not reported
Reg Board:	San Francisco Bay Region	Qty Leaked:	Not reported
Chemical:	Misc. Motor Vehicle Fuels		
Lead Agency:	Regional Board		
Case Type:	Soil only		
Status:	Preliminary site assessment underway		
Abate Method:	Pump and Treat Ground Water - generally employed to remove dissolved contaminants		
Review Date:	07/30/1989	Confirm Leak:	02/.)/0000
Workplan:	02/.)/0000	Prelim Assess:	02/.)/0000
Pollution Char:	02/.)/0000	Remed Plan:	02/.)/0000
Remed Action:	02/.)/0000	Monitoring:	02/.)/0000
Close Date:	02/.)/0000	Release Date:	05/15/1989

B9 North < 1/8 Higher — TENNECO CHEMICALS INC, 5555 SUNOL BOULEVARD, PLEASANTON, CA 94566 — Cal-Sites — S100184316 / N/A

CAL-SITES Status: REFRW (FORMER ANNUAL WORKPLAN SITE, REFERRED TO RWQCB)
Facility ID: 01280017 Current Status Date: 06/15/94

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10 ENE < 1/8 Higher — HI-REL MULTILAYER INC., 5757 SONOMA DR., PLEASANTON, CA 94566 — UST — U001598026 / N/A

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

HI-REL MULTILAYER INC. (Continued) — U001598026

CA UST ID#: 00000001072
Tank #: 1 — Container #: 1 — Capacity #: 00000070
Year Installed: 1979 — Tank Used for: WASTE
Type of Fuel: N/A — Tank Construction: 6 inches
Leak Detection: Visual

CA UST ID#: 00000001072
Tank #: 2 — Container #: 2 — Capacity #: 00000250
Year Installed: 1979 — Tank Used for: WASTE
Type of Fuel: N/A — Tank Construction: 1/2 inches
Leak Detection: Visual

11
East
< 1/8
Higher

COOPER LASERSONICS, INC
5674 SONOMA DR
PLEASANTON, CA 94566

RCRIS-SQG
FINDS

1000346335
CAD981375561

RCRIS: Not Reported

12
NNE
1/8-1/4
Higher

RALEYS 396
5420 SUNOL BLVD
PLEASANTON, CA 94566

RCRIS-SQG

1000978246
CA0000991208

RCRIS:
Owner: RALEYS CORP
(916) 373-3333

Contact: MIKE WENZEL
(510) 846-8010

Waste	Quantity	Info Source	Waste	Quantity	Info Source
D000	Not reported	Notification	D011	Not reported	Notification

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C13
North
1/4-1/2
Higher

CITY OF PLEASANTON CORP YARD
5353 SUNOL BLVD
PLEASANTON, CA 94566

LUST

S101322234
N/A

LUST:

Facility ID: Not reported — Cross Street: Not reported
Reg Board: San Francisco Bay Region — Qty Leaked: Not reported
Chemical: Gasoline
Lead Agency: Regional Board Inactive
Case Type: Other ground water affected
Status: Preliminary site assessment underway
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site, Excavate and Treat - remove contaminated soil and treat [includes spreading or land farming], Pump and Treat Ground Water - generally employed to remove dissolved contaminants
Review Date: 08/19/1994 — Confirm Leak: 02/.)/0000
Workplan: 02/.)/0000 — Prelim Assess: 02/02/1990
Pollution Char: 02/.)/0000 — Remed Plan: 02/.)/0000
Remed Action: 02/.)/0000 — Monitoring: 02/.)/0000
Close Date: 02/.)/0000 — Release Date: 04/18/1990

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
C14 North 1/4-1/2 Higher	CITY OF PLEASANTON CORP YARD SUNOL BLVD (5335) PLEASANTON, CA	Cortese LUST	S100226944 N/A

LUST Region 2:
Facility ID: 01-0416 Solvent: Not reported
Status: Preliminary site assessment underway

CORTESE:
Facility ID: Not reported Data Source: LTANK

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15 ENE 1/4-1/2 Higher	423 MISSION DR. PLEASANTON, CA			CHMIRS	S100222136 N/A

CHMIRS:

OES Control Number:	9990722	DOT ID:	1978
DOT Hazard Class:	Gases		
Chemical Name:	PROPANE		
CAS Number:	Not reported	Quantity Released:	2
Environmental Contamination:	Air	Property Use:	Residential
Incident Date:	04-SEP-88	Date Completed:	04-SEP-88

OES Control Number:	9990722	DOT ID:	1978
DOT Hazard Class:	Gases		
Chemical Name:	PROPANE		
CAS Number:	Not reported	Quantity Released:	2
Environmental Contamination:	Air	Property Use:	Residential
Incident Date:	04-SEP-88	Date Completed:	04-SEP-88

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16 South 1/4-1/2 Higher	6596 LANCING COURT PLEASANTON, CA 94566			CHMIRS	S100221360 N/A

CHMIRS:

OES Control Number:	9099340	DOT ID:	1223
DOT Hazard Class:	Flammable liquid		
Chemical Name:	KEROSENE		
CAS Number:	Not reported	Quantity Released:	.5
Environmental Contamination:	7	Property Use:	Residential
Incident Date:	13-JUL-90	Date Completed:	13-JUL-90

OES Control Number:	9099340	DOT ID:	1223
DOT Hazard Class:	Flammable liquid		
Chemical Name:	KEROSENE		
CAS Number:	Not reported	Quantity Released:	.5
Environmental Contamination:	7	Property Use:	Residential
Incident Date:	13-JUL-90	Date Completed:	13-JUL-90

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
D17 SSW 1/2-1 Higher	KAISER CENTER FOR TECHNOLOGY 6177 SUNOL BOULEVARD PLEASANTON, CA 94566	Cal-Sites	S100350472 N/A

CAL-SITES Status: RR
Facility ID: 01280050 Current Status Date: 04/01/93

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
D18 SSW 1/2-1 Higher	KAISER ALUMINUM & CHEMICAL CORP 6177 SUNOL BLVD PLEASANTON, CA 94566	FINDS RCRIS-LQG UST Cortese	1000380331 CAD071683940

RCRIS:
Owner: KAISER ALUMINUM & CHEMICAL CORPORATION
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(415) 462-1122

Waste	Quantity	Info Source	Waste	Quantity	Info Source
D001	Not reported	Notification	D002	Not reported	Notification
D003	Not reported	Notification	D004	Not reported	Notification
D007	Not reported	Notification	D009	Not reported	Notification
F001	Not reported	Notification	F003	Not reported	Notification
F005	Not reported	Notification	F007	Not reported	Notification
K087	Not reported	Notification	K088	Not reported	Notification
P030	Not reported	Notification	P055	Not reported	Notification
U019	Not reported	Notification	U032	Not reported	Notification
U092	Not reported	Notification	U123	Not reported	Notification
U124	Not reported	Notification	U125	Not reported	Notification
U134	Not reported	Notification	U140	Not reported	Notification
U151	Not reported	Notification	U188	Not reported	Notification
U211	Not reported	Notification	U213	Not reported	Notification
U228	Not reported	Notification			

CORTESE:
Facility ID: CAD071883940 Data Source: HWIS
Facility ID: CAD071683940 Data Source: FINDS
Facility ID: 10185 Data Source: S1987
Facility ID: 10185 Data Source: S1988
Facility ID: 10185 Data Source: S1989
Facility ID: Not reported Data Source: LTANK

CA UST ID#: 00000004636
Tank #: 1 Container #: 1 Capacity #: 00010000
Year Installed: 1969 Tank Used for: PRODUCT
Type of Fuel: DIESEL Tank Construction: N/A
Leak Detection: Stock Inventor

CA UST ID#: 00000004636
Tank #: 2 Container #: 2 Capacity #: 00010000
Year Installed: 1974 Tank Used for: PRODUCT
Type of Fuel: DIESEL Tank Construction: N/A
Leak Detection: Stock Inventor

CA UST ID#: 00000004636
Tank #: 3 Container #: 3 Capacity #: 00010000
Year Installed: 1974 Tank Used for: PRODUCT
Type of Fuel: DIESEL Tank Construction: N/A
Leak Detection: Stock Inventor

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

KAISER ALUMINUM & CHEMICAL CORP (Continued) 1000380331

CA UST ID#: 00000004636
Tank #: 4 Container #: 4 Capacity #: 00005000
Year Installed: 1969 Tank Used for: PRODUCT
Type of Fuel: N/A Tank Construction: N/A
Leak Detection: Stock Inventor

CA UST ID#: 00000004636
Tank #: 5 Container #: 5A Capacity #: 00002000
Year Installed: 1981 Tank Used for: PRODUCT
Type of Fuel: UNLEADED Tank Construction: N/A
Leak Detection: Stock Inventor

CA UST ID#: 00000004636
Tank #: 6 Container #: 6 Capacity #: 00001000
Year Installed: 1981 Tank Used for: PRODUCT
Type of Fuel: DIESEL Tank Construction: N/A
Leak Detection: Stock Inventor

CA UST ID#: 00000004636
Tank #: 7 Container #: 7 Capacity #: 00015000
Year Installed: 1969 Tank Used for: WASTE
Type of Fuel: N/A Tank Construction: N/A
Leak Detection: Visual

CA UST ID#: 00000004636
Tank #: 8 Container #: 8 Capacity #: 00002100
Year Installed: 1969 Tank Used for: WASTE
Type of Fuel: WASTE OIL Tank Construction: N/A
Leak Detection: Visual, Stock Inventor

CA UST ID#: 00000004636
Tank #: 9 Container #: 9 Capacity #: 00006000
Year Installed: 1969 Tank Used for: WASTE
Type of Fuel: N/A Tank Construction: N/A
Leak Detection: Visual, Stock Inventor

CA UST ID#: 00000004636
Tank #: 10 Container #: 10 Capacity #: 00006000
Year Installed: 1969 Tank Used for: WASTE
Type of Fuel: N/A Tank Construction: N/A
Leak Detection: Visual, Stock Inventor

CA UST ID#: 00000004636
Tank #: 11 Container #: 18 Capacity #: 00015750
Year Installed: 1969 Tank Used for: WASTE
Type of Fuel: WASTE OIL Tank Construction: N/A
Leak Detection: Visual

CA UST ID#: 00000004636
Tank #: 12 Container #: 19 Capacity #: 00003525
Year Installed: 1969 Tank Used for: WASTE
Type of Fuel: WASTE OIL Tank Construction: N/A
Leak Detection: Visual

CA UST ID#: 00000004636
Tank #: 13 Container #: 20 Capacity #: 00000370
Year Installed: 1969 Tank Used for: WASTE
Type of Fuel: WASTE OIL Tank Construction: N/A
Leak Detection: Visual

CA UST ID#: 00000004636
Tank #: 14 Container #: 21 Capacity #: 00003300
Year Installed: 1969 Tank Used for: WASTE
Type of Fuel: N/A Tank Construction: N/A
Leak Detection: None

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	KAISER ALUMINUM & CHEMICAL CORP (Continued)		1000380331

CA UST ID#: 00000004636

Tank #:	15	Container #:	22	Capacity #:	00000375
Year Installed:	1969	Tank Used for:	WASTE		
Type of Fuel:	N/A	Tank Construction:	N/A		
Leak Detection:	None				

D19 SSW 1/2-1 Higher	KAISER CENTER FOR TECHNOLOGY SUNOL BLVD (6177) PLEASANTON, CA 94566	Cortese	S101293831 N/A

CORTESE: N/A

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20 NNE 1/2-1 Higher	EXXON MAIN ST (349) PLEASANTON, CA	Cortese	S101306717 N/A

CORTESE: N/A

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21 NNE 1/2-1 Higher	 549 MAIN ST. PLEASANTON, CA	CHMIRS	S100280691 N/A

CHMIRS:

OES Control Number:	9990719	DOT ID:	1971
DOT Hazard Class:	Gases		
Chemical Name:	METHANE		
CAS Number:	Not reported	Quantity Released:	Not reported
Environmental Contamination:	Air	Property Use:	Mercantile, Business
Incident Date:	13-OCT-88	Date Completed:	13-OCT-88

OES Control Number:	9990719	DOT ID:	1971
DOT Hazard Class:	Gases		
Chemical Name:	METHANE		
CAS Number:	Not reported	Quantity Released:	Not reported
Environmental Contamination:	Air	Property Use:	Mercantile, Business
Incident Date:	13-OCT-88	Date Completed:	13-OCT-88

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22 SSE 1/2-1 Higher	 640 HAPPY VALLEY ROAD PLEASANTON, CA 94566	CHMIRS	S100221164 N/A

CHMIRS:

OES Control Number:	9099144	DOT ID:	1971
DOT Hazard Class:	Gases		
Chemical Name:	GAS, NATURAL		
CAS Number:	Not reported	Quantity Released:	0
Environmental Contamination:	Air	Property Use:	Residential
Incident Date:	20-APR-90	Date Completed:	20-APR-90

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
	(Continued)		S100221164

OES Control Number:	9099144	DOT ID:	1971
DOT Hazard Class:	Gases		
Chemical Name:	GAS, NATURAL		
CAS Number:	Not reported	Quantity Released:	0
Environmental Contamination:	Air	Property Use:	Residential
Incident Date:	20-APR-90	Date Completed:	20-APR-90

23 North 1/2-1 Lower	ALAMEDA COUNTY FAIRGROUNDS PLEASANTON AVE (4501) PLEASANTON, CA	Cortese	S101306723 N/A

CORTESE: N/A

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
PLEASANTON	S100350511	SANTA RITA REHABILITATION CENTER	INTERSTATE-580 / TASSAJERA ROAD	94566	Cal-Sites	
PLEASANTON	U001598096	PRIVATE RESIDENCE	RT. 1-1450 FINLEY RD.	94566	UST	
PLEASANTON	1000356186	LAWRENCE LIVERMORE NATL LAB-CAMP PARKS	CAMP PARKS	94566	CERCLIS, RCRIS-LQG	
PLEASANTON	1000344637	CAMP PARKS COMMUNICATION ANNEX	ONIZUKA AIR FORCE BASE	94566	CERCLIS	
PLEASANTON	S100869303	OAK HILLS CLEANERS	5410 SUNOL BLVD NO 1	94566	HWIS	
PLEASANTON	U001598025	HERMAN F. KOOPMANN RANCH	9480 SUNOL RD	94566	UST	00000031584
PLEASANTON	U001598133	SUNOL FOREST FIRE STATION	11345 SUNOL/PLEASANTON ROAD	94566	UST	00000021338
PLEASANTON	S100714073	GENERAL ELECTRIC CO., VALLECITOS NUCLEAR	VALLECITOS ROAD	94566	Cal-Sites	
PLEASNATON	1000819073	OAK HILLS CLEANERS	5410 SUNOL BLVD NO 1	94566	RCRIS-SQG, FINDS	

GEOCHECK VERSION 2.1 ADDENDUM
FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (North Quadrant)

BASIC WELL DATA

Site ID:	373901121524701	Distance from TP:	1/8 - 1/4 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1951	County:	Alameda
Altitude:	325.50 ft.	State:	California
Well Depth:	105.00 ft.	Topographic Setting:	Valley flat
Depth to Water Table:	44.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	08161951	Prim. Use of Water:	Domestic

LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Cenozoic-Quaternary
Principal Lithology of Unit:	Allivimum
Further Description:	Not Reported

WATER LEVEL VARIABILITY

Water Level:	4.20 ft.	Water Level:	4.60 ft.	Water Level:	4.40 ft.	Water Level:	4.60 ft.
Date Measured:	01/13/76	Date Measured:	02/17/76	Date Measured:	03/16/76	Date Measured:	03/26/76
Water Level:	4.70 ft.	Water Level:	4.90 ft.	Water Level:	6.00 ft.	Water Level:	6.50 ft.
Date Measured:	04/19/76	Date Measured:	05/17/76	Date Measured:	06/29/76	Date Measured:	07/19/76
Water Level:	7.00 ft.	Water Level:	7.30 ft.	Water Level:	6.80 ft.	Water Level:	6.90 ft.
Date Measured:	08/17/76	Date Measured:	09/14/76	Date Measured:	10/19/76	Date Measured:	11/16/76
Water Level:	7.10 ft.	Water Level:	6.60 ft.	Water Level:	6.70 ft.	Water Level:	6.80 ft.
Date Measured:	12/14/76	Date Measured:	01/11/77	Date Measured:	02/16/77	Date Measured:	03/01/77
Water Level:	7.90 ft.	Water Level:	10.00 ft.	Water Level:	2.90 ft.	Water Level:	1.00 ft.
Date Measured:	05/24/77	Date Measured:	09/22/77	Date Measured:	03/28/79	Date Measured:	04/30/80
Water Level:	2.20 ft.						
Date Measured:	10/01/80						

GEOCHECK VERSION 2.1
FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (East Quadrant)

BASIC WELL DATA

Site ID:	373953121511601	Distance from TP:	1 - 2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1976	County:	Alameda
Altitude:	366.00 ft.	State:	California
Well Depth:	71.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Observation
Date Measured:	Not Reported	Prim. Use of Water:	Not Reported

LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Cenozoic-Quaternary
Principal Lithology of Unit:	Not Reported
Further Description:	Not Reported

WATER LEVEL VARIABILITY

Water Level:	62.10 ft.	Water Level:	59.90 ft.	Water Level:	59.90 ft.	Water Level:	60.50 ft.
Date Measured:	06/17/76	Date Measured:	10/25/76	Date Measured:	10/28/76	Date Measured:	11/19/76
Water Level:	61.00 ft.	Water Level:	61.20 ft.	Water Level:	61.50 ft.	Water Level:	61.40 ft.
Date Measured:	12/02/76	Date Measured:	12/27/76	Date Measured:	01/21/77	Date Measured:	01/25/77
Water Level:	61.10 ft.	Water Level:	60.70 ft.	Water Level:	61.30 ft.	Water Level:	66.20 ft.
Date Measured:	02/15/77	Date Measured:	03/28/77	Date Measured:	05/19/77	Date Measured:	09/22/77
Water Level:	67.60 ft.	Water Level:	58.50 ft.	Water Level:	56.00 ft.	Water Level:	55.10 ft.
Date Measured:	10/31/77	Date Measured:	04/05/78	Date Measured:	05/16/78	Date Measured:	07/31/78
Water Level:	56.20 ft.	Water Level:	56.20 ft.	Water Level:	55.90 ft.	Water Level:	55.20 ft.
Date Measured:	10/24/78	Date Measured:	01/08/79	Date Measured:	01/16/79	Date Measured:	02/02/79
Water Level:	50.00 ft.	Water Level:	48.50 ft.	Water Level:	48.90 ft.	Water Level:	50.80 ft.
Date Measured:	04/09/79	Date Measured:	06/13/79	Date Measured:	07/23/79	Date Measured:	10/17/79
Water Level:	50.10 ft.	Water Level:	45.10 ft.	Water Level:	44.00 ft.	Water Level:	45.20 ft.
Date Measured:	01/09/80	Date Measured:	04/18/80	Date Measured:	05/20/80	Date Measured:	09/11/80
Water Level:	45.80 ft.	Water Level:	47.10 ft.	Water Level:	47.30 ft.	Water Level:	45.70 ft.
Date Measured:	10/07/80	Date Measured:	12/16/80	Date Measured:	02/03/81	Date Measured:	05/14/81
Water Level:	47.20 ft.						
Date Measured:	07/21/81						

GEOCHECK VERSION 2.1
FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (South Quadrant)

BASIC WELL DATA

Site ID:	373817121531301	Distance from TP:	1/2 - 1 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1975	County:	Alameda
Altitude:	299.50 ft.	State:	California
Well Depth:	42.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Observation
Date Measured:	Not Reported	Prim. Use of Water:	Not Reported

LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Cenozoic-Quaternary
Principal Lithology of Unit:	Not Reported
Further Description:	Not Reported

WATER LEVEL VARIABILITY

Water Level:	22.00 ft.	Water Level:	22.00 ft.	Water Level:	22.00 ft.	Water Level:	21.60 ft.
Date Measured:	02/05/76	Date Measured:	03/03/76	Date Measured:	04/05/76	Date Measured:	05/04/76
Water Level:	22.10 ft.	Water Level:	22.70 ft.	Water Level:	23.00 ft.	Water Level:	23.50 ft.
Date Measured:	06/03/76	Date Measured:	07/07/76	Date Measured:	08/02/76	Date Measured:	08/30/76
Water Level:	23.70 ft.	Water Level:	23.90 ft.	Water Level:	23.90 ft.	Water Level:	23.30 ft.
Date Measured:	10/05/76	Date Measured:	11/02/76	Date Measured:	11/29/76	Date Measured:	01/05/77
Water Level:	23.40 ft.	Water Level:	23.45 ft.	Water Level:	23.30 ft.	Water Level:	23.40 ft.
Date Measured:	01/14/77	Date Measured:	02/15/77	Date Measured:	02/25/77	Date Measured:	05/04/77
Water Level:	24.40 ft.	Water Level:	24.80 ft.	Water Level:	24.95 ft.	Water Level:	24.90 ft.
Date Measured:	07/12/77	Date Measured:	09/21/77	Date Measured:	09/28/77	Date Measured:	11/14/77
Water Level:	20.50 ft.	Water Level:	20.10 ft.	Water Level:	20.70 ft.	Water Level:	21.20 ft.
Date Measured:	01/03/78	Date Measured:	02/09/78	Date Measured:	03/27/78	Date Measured:	05/15/78
Water Level:	22.30 ft.	Water Level:	23.00 ft.	Water Level:	23.70 ft.	Water Level:	21.00 ft.
Date Measured:	07/05/78	Date Measured:	08/31/78	Date Measured:	10/30/78	Date Measured:	01/17/79
Water Level:	19.60 ft.	Water Level:	19.90 ft.	Water Level:	21.20 ft.	Water Level:	22.20 ft.
Date Measured:	03/05/79	Date Measured:	05/08/79	Date Measured:	06/25/79	Date Measured:	09/10/79
Water Level:	21.80 ft.	Water Level:	19.60 ft.	Water Level:	19.20 ft.	Water Level:	19.30 ft.
Date Measured:	10/31/79	Date Measured:	01/31/80	Date Measured:	03/18/80	Date Measured:	03/26/80
Water Level:	19.50 ft.	Water Level:	19.40 ft.	Water Level:	19.90 ft.	Water Level:	20.20 ft.
Date Measured:	04/14/80	Date Measured:	04/27/80	Date Measured:	05/12/80	Date Measured:	05/26/80
Water Level:	20.10 ft.	Water Level:	20.40 ft.	Water Level:	20.60 ft.	Water Level:	20.50 ft.
Date Measured:	06/09/80	Date Measured:	06/24/80	Date Measured:	07/11/80	Date Measured:	07/16/80
Water Level:	20.70 ft.	Water Level:	21.00 ft.	Water Level:	21.20 ft.	Water Level:	21.40 ft.
Date Measured:	07/29/80	Date Measured:	08/12/80	Date Measured:	08/26/80	Date Measured:	09/09/80
Water Level:	21.50 ft.	Water Level:	21.60 ft.	Water Level:	21.60 ft.	Water Level:	21.60 ft.
Date Measured:	09/23/80	Date Measured:	09/26/80	Date Measured:	10/06/80	Date Measured:	10/24/80
Water Level:	21.30 ft.	Water Level:	21.00 ft.	Water Level:	20.90 ft.	Water Level:	20.80 ft.
Date Measured:	11/26/80	Date Measured:	12/03/80	Date Measured:	12/30/80	Date Measured:	01/09/81
Water Level:	20.10 ft.	Water Level:	20.30 ft.	Water Level:	20.30 ft.	Water Level:	19.50 ft.
Date Measured:	01/28/81	Date Measured:	02/26/81	Date Measured:	03/10/81	Date Measured:	03/25/81
Water Level:	20.00 ft.	Water Level:	20.60 ft.	Water Level:	20.80 ft.	Water Level:	21.50 ft.
Date Measured:	04/23/81	Date Measured:	05/05/81	Date Measured:	05/20/81	Date Measured:	06/22/81
Water Level:	21.50 ft.	Water Level:	21.60 ft.	Water Level:	21.60 ft.	Water Level:	21.60 ft.
Date Measured:	07/16/81	Date Measured:	07/27/81	Date Measured:	08/26/81	Date Measured:	09/01/81
Water Level:	21.70 ft.	Water Level:	21.90 ft.	Water Level:	21.20 ft.	Water Level:	21.90 ft.
Date Measured:	09/21/81	Date Measured:	09/29/81	Date Measured:	11/20/81	Date Measured:	12/21/81

GEOCHECK VERSION 2.1
FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (West Quadrant)

BASIC WELL DATA

Site ID:	373856121532801	Distance from TP:	1/2 - 1 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1975	County:	Alameda
Altitude:	314.50 ft.	State:	California
Well Depth:	61.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Observation
Date Measured:	Not Reported	Prim. Use of Water:	Not Reported

LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Cenozoic-Quaternary
Principal Lithology of Unit:	Not Reported
Further Description:	Not Reported

WATER LEVEL VARIABILITY

Water Level:	35.50 ft.	Water Level:	35.30 ft.	Water Level:	34.50 ft.	Water Level:	33.70 ft.
Date Measured:	10/22/75	Date Measured:	11/06/75	Date Measured:	12/04/75	Date Measured:	12/30/75
Water Level:	33.30 ft.	Water Level:	33.15 ft.	Water Level:	32.70 ft.	Water Level:	33.60 ft.
Date Measured:	01/28/76	Date Measured:	02/19/76	Date Measured:	03/09/76	Date Measured:	04/27/76
Water Level:	38.00 ft.	Water Level:	39.20 ft.	Water Level:	43.00 ft.	Water Level:	44.90 ft.
Date Measured:	05/27/76	Date Measured:	06/14/76	Date Measured:	07/26/76	Date Measured:	08/24/76
Water Level:	45.40 ft.	Water Level:	45.40 ft.	Water Level:	45.50 ft.	Water Level:	45.20 ft.
Date Measured:	09/22/76	Date Measured:	10/27/76	Date Measured:	11/17/76	Date Measured:	12/10/76
Water Level:	45.30 ft.	Water Level:	44.45 ft.	Water Level:	43.20 ft.	Water Level:	42.40 ft.
Date Measured:	12/30/76	Date Measured:	01/14/77	Date Measured:	02/15/77	Date Measured:	03/04/77
Water Level:	45.40 ft.	Water Level:	49.60 ft.	Water Level:	54.80 ft.	Water Level:	54.10 ft.
Date Measured:	05/05/77	Date Measured:	07/13/77	Date Measured:	09/21/77	Date Measured:	09/28/77
Water Level:	52.80 ft.	Water Level:	48.50 ft.	Water Level:	45.30 ft.	Water Level:	41.90 ft.
Date Measured:	11/15/77	Date Measured:	02/08/78	Date Measured:	03/28/78	Date Measured:	05/10/78
Water Level:	42.90 ft.	Water Level:	43.80 ft.	Water Level:	42.60 ft.	Water Level:	25.90 ft.
Date Measured:	07/06/78	Date Measured:	08/31/78	Date Measured:	10/31/78	Date Measured:	01/02/79
Water Level:	37.80 ft.	Water Level:	35.30 ft.	Water Level:	34.60 ft.	Water Level:	33.60 ft.
Date Measured:	01/11/79	Date Measured:	01/30/79	Date Measured:	02/06/79	Date Measured:	02/14/79
Water Level:	32.80 ft.	Water Level:	32.20 ft.	Water Level:	31.20 ft.	Water Level:	29.00 ft.
Date Measured:	02/20/79	Date Measured:	02/27/79	Date Measured:	03/06/79	Date Measured:	03/27/79
Water Level:	27.90 ft.	Water Level:	29.20 ft.	Water Level:	30.60 ft.	Water Level:	28.50 ft.
Date Measured:	05/09/79	Date Measured:	06/26/79	Date Measured:	09/10/79	Date Measured:	10/30/79
Water Level:	18.90 ft.	Water Level:	20.20 ft.	Water Level:	20.20 ft.	Water Level:	20.00 ft.
Date Measured:	03/17/80	Date Measured:	04/30/80	Date Measured:	05/08/80	Date Measured:	07/09/80
Water Level:	21.20 ft.	Water Level:	21.70 ft.	Water Level:	21.30 ft.	Water Level:	20.00 ft.
Date Measured:	09/29/80	Date Measured:	10/01/80	Date Measured:	11/25/80	Date Measured:	01/08/81
Water Level:	19.30 ft.	Water Level:	22.20 ft.	Water Level:	23.40 ft.	Water Level:	23.70 ft.
Date Measured:	03/11/81	Date Measured:	05/05/81	Date Measured:	07/16/81	Date Measured:	08/31/81
Water Level:	23.00 ft.						
Date Measured:	10/02/81						

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Water Wells:

Well Within 1 - 2 Miles of Target Property (Northern Quadrant)

Water Well ID:	CA60847		
System Name:	CASTLEWOOD COUNTRY CLUB		
Source Name:	WELL 03		
Source Number:	03S/01E-19A05 M	System Number:	0105008
County Code:	Not Reported	County:	ALAMEDA
Latitude:	37 39 42.0	Longitude:	121 53 45.0
Precision:	Not Reported	Water Type:	Ground
Chemical:	Not Reported		
Findings:	Not Reported	Sample Date:	Not Reported

Well Within 1/2 - 1 Mile of Target Property (Western Quadrant)

Water Well ID:	CA72186		
System Name:	CITY OF SAN FRANCISCO		
Source Name:	PLEASANTON WELL FIELD-4 WELLS - INACTIVE		
Source Number:	D38/001-PWF-R	System Number:	3810001
County Code:	Not Reported	County:	SAN FRANCISCO
Latitude:	37 38 46.0	Longitude:	121 53 36.0
Precision:	Not Reported	Water Type:	Ground
Chemical:	Not Reported		
Findings:	Not Reported	Sample Date:	Not Reported

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Zip Code.

PWS SUMMARY:

PWS ID:	CA0105003	PWS Status:	Active	Distance from TP:	Not Reported
Dir relative to TP:	Not Reported	Date Initiated:	July / 1993	Date Deactivated:	Not Reported
PWS Name:	RMC - LONESTAR LONE STAR INDUSTRIES 1544 STANLEY BLV PLEASANTON, CA 94566				
Addressee / Facility Type:	System Owner/Responsible Party				
Facility Name:	LONE STAR INDUSTRIES 1544 STANLEY BOULEVARD PLEASANTON, CA 94566				
Facility Latitude:	37 39 45		Facility Longitude:	121 52 24	
City Served:	Not Reported:				
Treatment Class:	Treated		Population Served:	Under 101 Persons	

Well currently has or has had major violation(s): Yes

VIOLATIONS INFORMATION:

Violation ID:	9304001	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	09/01/93	Vio. end Date:	09/30/93	Vio. Period:	1 Month
Num of required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	111593				

PWS ID:	CA0105006	PWS Status:	Active	Distance from TP:	Not Reported
Dir relative to TP:	Not Reported	Date Initiated:	July / 1993	Date Deactivated:	Not Reported
PWS Name:	KAISER SAND AND GRAVEL KAISER SAND AND GRAVEL 3311 BUSCH RD PLEASANTON, CA 94566				
Addressee / Facility Type:	System Owner/Responsible Party				
Facility Name:	KAISER SAND AND GRAVEL 3311 BUSCH ROAD PLEASANTON, CA 94566				
Facility Latitude:	37 39 45		Facility Longitude:	121 52 24	
City Served:	Not Reported:				
Treatment Class:	Treated		Population Served:	Under 101 Persons	

Well currently has or has had major violation(s): Yes

VIOLATIONS INFORMATION:

Violation ID:	9304001	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	09/01/93	Vio. end Date:	09/30/93	Vio. Period:	1 Month
Num of required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	111593				

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Zip Code.

PWS SUMMARY:

PWS ID:	CA0105008	PWS Status:	Active	Distance from TP:	Not Reported
Dir relative to TP:	Not Reported	Date Initiated:	July / 1993	Date Deactivated:	Not Reported
PWS Name:	CASTLEWOOD COUNTRY CLUB CASTLEWOOD COUNTRY CLUB FOOTHILL RD PLEASANTON, CA 94566				
Addressee / Facility Type:	System Owner/Responsible Party				
Facility Name:	CASTLEWOOD COUNTRY CLUB FOOTHILL ROAD PLEASANTON, CA 94566				
Facility Latitude:	37 39 45		Facility Longitude:	121 52 24	
City Served:	Not Reported:				
Treatment Class:	Treated		Population Served:	101 - 500 Persons	

Well currently has or has had major violation(s): Yes

VIOLATIONS INFORMATION:

Violation ID:	9304001	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	09/01/93	Vio. end Date:	09/30/93	Vio. Period:	1 Month
Num of required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	111593				

PWS ID:	CA3900569	PWS Status:	Active	Distance from TP:	Not Reported
Dir relative to TP:	Not Reported	Date Initiated:	June / 1977	Date Deactivated:	Not Reported
PWS Name:	EL RIO MOTEL & TRAILER PARK ROBERT HOFFMAN ETAL 4032 S NINETY-NINE HW STOCKTON, CA 95205				
Addressee / Facility Type:	System Owner/Responsible Party				
Facility Name:	ROBERT HOFFMAN ETAL 5505 OLD SHCOOL ROAD PLEASANTON, CA 94566				
Facility Latitude:	37 57 28		Facility Longitude:	121 17 22	
City Served:	Not Reported:				
Treatment Class:	Untreated		Population Served:	Under 101 Persons	

Well currently has or has had major violation(s): Yes

VIOLATIONS INFORMATION:

Not Reported

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Zip Code.

PWS SUMMARY:

PWS ID:	CA5000060	PWS Status:	Active	Distance from TP:	Not Reported
Dir relative to TP:	Not Reported	Date Initiated:	June / 1977	Date Deactivated:	Not Reported
PWS Name:	CASA DE AMIGOS MOBILE HOME PRK ALICE PRYOR 12344 020TH SIX MILE RD OAKDALE, CA 95361				
Addressee / Facility Type:	System Owner/Responsible Party				
Facility Name:	ALICE PRYOR P O BOX 7 PLEASANTON, CA 94566				
Facility Latitude:	37 39 45		Facility Longitude:	121 52 24	
City Served:	Not Reported:				
Treatment Class:	Untreated		Population Served:	101 - 500 Persons	

Well currently has or has had major violation(s): Yes

VIOLATIONS INFORMATION:

Not Reported

EPA Waste Codes Addendum

Code	Description
D000	NOT DEFINED
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D004	ARSENIC
D007	CHROMIUM
D009	MERCURY
D011	SILVER
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS

EPA Waste Codes Addendum

Code	Description
	CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F007	SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
K002	WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME YELLOW AND ORANGE PIGMENTS.
K003	WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF MOLYBDATE ORANGE PIGMENTS
K004	WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF ZINC YELLOW PIGMENTS
K006	WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS (ANHYDROUS AND HYDRATED).
K007	WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF IRON BLUE PIGMENTS
K087	DECANTER TANK TAR SLUDGE FROM COKING OPERATIONS
K088	SPENT POTLINERS FROM PRIMARY ALUMINUM REDUCTION
P030	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
P055	NOT DEFINED
U019	BENZENE (I,T)
U032	CALCIUM CHROMATE
U032	CHROMIC ACID H2CRO4, CALCIUM SALT
U092	DIMETHYLAMINE (I)
U092	METHANAMINE, N-METHYL- (I)
U123	FORMIC ACID (C,T)
U124	FURAN (I)
U124	FURFURAN (I)
U125	2-FURANCARBOXALDEHYDE (I)

EPA Waste Codes Addendum

Code	Description
U125	FURFURAL (I)
U134	HYDROFLUORIC ACID (C,T)
U134	HYDROGEN FLUORIDE (C,T)
U140	ISOBUTYL ALCOHOL (I,T)
U140	1-PROPANOL, 2-METHYL- (I,T)
U151	MERCURY
U188	PHENOL
U211	CARBON TETRACHLORIDE
U211	METHANE, TETRACHLORO-
U213	FURAN, TETRAHYDRO-(I)
U213	TETRAHYDROFURAN (I)
U228	ETHENE, TRICHLORO-
U228	TRICHLOROETHYLENE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM RECORDS:

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA/NTIS
Telephone: 703-416-0702
CERCLIS: Comprehensive Environmental Response, Compensation and Liability Information System. CERCLIS contains information on sites identified by the USEPA as known or suspect abandoned, inactive or uncontrolled hazardous waste sites which may require cleanup.

Date of Government Version: 10/31/94 — Date of Data Arrival at EDR: 12/16/94
Date Made Active at EDR: 01/30/95 — Elapsed ASTM days: 45

ERNS: Emergency Response Notification System
Source: EPA
Telephone: 202-260-2342
ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/94 — Date of Data Arrival at EDR: 04/11/95
Date Made Active at EDR: 05/25/95 — Elapsed ASTM days: 44

NPL: National Priority List
Source: EPA
Telephone: 703-603-8852
NPL: National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, it is EDR's policy to plot NPL sites greater than approximately 500 acres in size as areas (polygons). Sites smaller in size are point-geocoded at the site's address.

Date of Government Version: 04/15/95 — Date of Data Arrival at EDR: 04/28/95
Date Made Active at EDR: 05/03/95 — Elapsed ASTM days: 5

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 202-260-3393
RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 01/31/95 — Date of Data Arrival at EDR: 03/14/95
Date Made Active at EDR: 04/28/95 — Elapsed ASTM days: 45

FEDERAL NON-ASTM RECORDS:

FINDS: Facility Index System
Source: EPA/NTIS
Telephone: 800-908-2493
FINDS: Facility Index System. FINDS contains both facility information and "pointers" to other sources that contain more detail. These include: RCRIS, PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]), CERCLIS, DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), FRDS (Federal Reporting Data System), SIA (Surface Impoundments), CICIS (TSCA Chemicals in Commerce Information System), PADS, RCRA-J (medical waste transporters/disposers), TRIS and TSCA.

Date of Government Version: 07/27/94 Date of Next Scheduled Update: 07/10/95

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-260-3992
PADS: PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/14/94 Date of Next Scheduled Update: 08/21/95

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RAATS: RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA.

Date of Government Version: 04/06/94 Date of Next Scheduled Update: 06/19/95

TRIS: Toxic Chemical Release Inventory System
Source: EPA/NTIS
Telephone: 202-260-2320
TRIS: Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/92 Date of Next Scheduled Update: 10/09/95

TSCA: Toxic Substances Control Act
Source: EPA/NTIS
Telephone: 202-260-1444
TSCA: Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 05/15/86 Date of Next Scheduled Update: 07/17/95

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/94 Date of Next Scheduled Update: 07/31/95

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-260-8969
NPL LIENS: Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91 Date of Next Scheduled Update: 08/28/95

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 202-260-3393
CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/05/94 Date of Next Scheduled Update: 06/19/95

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/01/95 Date of Next Scheduled Update: 07/17/95

ROD: Records Of Decision
Source: NTIS
Telephone: 703-416-0703
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/30/93 Date of Next Scheduled Update:

STATE OF CALIFORNIA ASTM RECORDS:

CAL-SITES (AWP): Annual Workplan
Source: California Environmental Protection Agency
Telephone: 916-323-3400
CAL-SITES (AWP): Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 06/30/94
Date Made Active at EDR: 03/16/95
Date of Data Arrival at EDR: 01/30/95
Elapsed ASTM days: 45

CAL-SITES (ASPIS): Calsites
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
CAL-SITES (ASPIS): Known and Potential Hazardous Waste Sites. CAL-SITES, formerly ASPIS, contains both known and potential hazardous substance sites.

Date of Government Version: 02/24/95
Date Made Active at EDR: 04/14/95
Date of Data Arrival at EDR: 03/06/95
Elapsed ASTM days: 39

CHMIRS: California Hazardous Material Incident Report System
Source: Office of Emergency Services
Telephone: 916-262-2868
CHMIRS: California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/91
Date Made Active at EDR: 11/05/92
Date of Data Arrival at EDR: 08/08/92
Elapsed ASTM days: 89

CORTESE: Cortese
Source: CAL EPA/Office of Emergency Information
Telephone: 916-327-1848
CORTESE: Identified Hazardous Waste and Substance Sites. The database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration.

Date of Government Version: 12/31/94
Date Made Active at EDR: 04/04/95
Date of Data Arrival at EDR: 01/23/95
Elapsed ASTM days: 71

LUST: Leaking Underground Storage Tank Information System
Source: State Water Resources Control Board
Telephone: 916-445-6532
LUST: Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/31/95
Date Made Active at EDR: 04/14/95
Date of Data Arrival at EDR: 03/10/95
Elapsed ASTM days: 35

NOTIFY 65: Proposition 65
Source: State Water Resources Control Board
Telephone: 916-657-0696
NOTIFY 65: Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/93
Date Made Active at EDR: 11/19/93
Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18

SWAT: Solid Waste Assessment Test Program
Source: State Water Resources Control Board
Telephone: 916-227-4448
SWAT: Solid Waste Activity Tracking. SWAT contains information on ground water monitoring of sanitary landfills.

Date of Government Version: 02/16/95
Date Made Active at EDR: 04/04/95
Date of Data Arrival at EDR: 02/21/95
Elapsed ASTM days: 42

SWF/LS (SWIS): Solid Waste Information System
Source: Integrated Waste Management Board
Telephone: 916-255-2248
SWF/LS (SWIS): Active, Closed and Inactive Landfills. SWF/LS records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/15/94
Date Made Active at EDR: 03/01/95
Date of Data Arrival at EDR: 01/06/95
Elapsed ASTM days: 54

LA CNTY LF: List of Solid Waste Facilities
Source: La County Department of Public Works
Telephone: 818-458-5185

Date of Government Version: 06/28/94
Date Made Active at EDR: 04/04/95
Date of Data Arrival at EDR: 03/02/95
Elapsed ASTM days: 33

TOXIC PITS: Toxic Pits
Source: State Water Resources Control Board
Telephone: 916-227-4364
TOXIC PITS: Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 02/15/95
Date Made Active at EDR: 03/16/95
Date of Data Arrival at EDR: 02/22/95
Elapsed ASTM days: 22

NFLS: North Bay Counties
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-1255
NFLS: Non-Fuel Leak Sites.

Date of Government Version: 10/21/94
Date Made Active at EDR: 02/14/95
Date of Data Arrival at EDR: 12/20/94
Elapsed ASTM days: 56

IND SITES: List of Industrial Site Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
IND SITES: California Industrial Sites.

Date of Government Version: 01/10/95
Date Made Active at EDR: 04/26/95
Date of Data Arrival at EDR: 03/31/95
Elapsed ASTM days: 26

UST: Hazardous Substance Storage Container Database
Source: State Water Resources Control Board
Telephone: 916-227-4319
UST: Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/15/90
Date Made Active at EDR: 02/12/91
Date of Data Arrival at EDR: 01/25/91
Elapsed ASTM days: 18

KERN CNTY UST: Sites & Tanks Listing
Source: Kern County Environment Health Services Department
Telephone: 805-861-3636

Date of Government Version: 06/10/94
Date Made Active at EDR: 04/04/95
Date of Data Arrival at EDR: 02/28/95
Elapsed ASTM days: 35

BEP: Bond Expenditure Plan
Source: Department of Health Services
Telephone: 916-255-2002

Date of Government Version: 01/01/89
Date Made Active at EDR: 08/02/94
Date of Data Arrival at EDR: 07/27/94
Elapsed ASTM days: 6

STATE OF CALIFORNIA NON-ASTM RECORDS:

HWIS: Hazardous Waste Information System
Source: California Environmental Protection Agency
Telephone: 916-324-0659
HWIS: Hazardous Waste Information System. HWIS identifies hazardous waste generators and hazardous waste treatment, storage, and disposal facilities in the state of California.

Date of Government Version: 12/31/93 Date of Next Scheduled Update: 06/26/95

LOS ANGELES COUNTY:

Site Mitigation Complaint Control Log
Source: Community Health Services
Telephone: 213-890-7806
Los Angeles County Site Mitigation Log.

Date of Government Version: 02/01/95 Date of Next Scheduled Update: 06/19/95

Street Number List
Source: Department of Public Works
Telephone: 818-458-3517
Los Angeles County Underground Storage Tank (UST) List.

Date of Government Version: 04/02/94 Date of Next Scheduled Update: N/A

ORANGE COUNTY:

List of Industrial Site Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Industrial Site Cleanups.

Date of Government Version: 01/10/95 Date of Next Scheduled Update: 06/26/95

List of Underground Storage Tank Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/30/95 Date of Next Scheduled Update: N/A

List of Underground Storage Tank Facilities
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/30/95 Date of Next Scheduled Update: N/A

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/20/94 Date of Next Scheduled Update: N/A

SAN DIEGO COUNTY:

Solid Waste Facilities
Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 12/02/94 Date of Next Scheduled Update: N/A

Unauthorized Release Listing on Disk
Source: Department of Health Services
Telephone: 619-338-2268
San Diego County Unauthorized Release Listing (HE 17).

Date of Government Version: 11/28/94 Date of Next Scheduled Update: 08/21/95

VENTURA COUNTY:

Listing of Underground Tank Cleanup Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/01/95 Date of Next Scheduled Update: N/A

List of Operating UGT Sites & Underground Tank Closed Sites List
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 04/03/95 Date of Next Scheduled Update: N/A

Inventory of Illegal Abandoned and Inactive Sites
Source: Environmental Health Division
Telephone: 805-654-2818
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 01/08/94 Date of Next Scheduled Update: N/A

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST Region 1: Active Toxic Site Investigation
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220

Date of Government Version: 01/19/95 Date of Next Scheduled Update: N/A

LUST Region 2: Fuel Leak List
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-1269

Date of Government Version: 03/28/95 Date of Next Scheduled Update: N/A

LUST Region 2: North Bay Counties
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-1255

Date of Government Version: 10/21/94 Date of Next Scheduled Update: 06/26/95

LUST Region 3: Active Local & Regional Cases
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 03/01/95 Date of Next Scheduled Update: N/A

LUST Region 4: Underground Storage Tank Leak List
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-266-7500

Date of Government Version: 09/30/94 Date of Next Scheduled Update: N/A

LUST Region 5: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-255-3000

Date of Government Version: 12/01/94 Date of Next Scheduled Update: N/A

LUST Region 6L: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-544-3481

Date of Government Version: 12/15/94 Date of Next Scheduled Update: N/A

LUST Region 6V: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 619-241-6583

Date of Government Version: 04/01/95 Date of Next Scheduled Update: N/A

LUST Region 7: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 619-346-7491

Date of Government Version: 12/22/94 Date of Next Scheduled Update: N/A

LUST Region 8: (LUSTIS) Leaking Underground Storage Tanks
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4130

Date of Government Version: 03/29/95 Date of Next Scheduled Update: N/A

LUST Region 9: Report Of Underground Storage Tank Leaks
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 619-467-2952

Date of Government Version: 03/01/95 Date of Next Scheduled Update: N/A

Historical and Other Database(s)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

FRDS: Federal Reporting Data System
Source: EPA/Office of Drinking Water
FRDS provides information regarding public water supplies and their compliance with monitoring requirements, maximum contaminant levels (MCL's), and other requirements of the Safe Drinking Water Act of 1986.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals who, due to their fragile immune systems, are deemed to be especially sensitive to environmental discharges. These typically include the elderly, the sick, and children. While the exact location of these sensitive receptors cannot be determined, EDR indicates those facilities, such as schools, hospitals, day care centers, and nursing homes, where sensitive receptors are likely to be located.

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1994 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines in California: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

CA Water Well Databases:
Drinking Water Quality Monitoring Database: Includes wells where chemicals and pesticides have been detected.
Source: Department of Health Services, Office of Drinking Water

Public Wells Database: Inventory of drinking water supply wells.
Source: Department of Health Services, Office of Drinking Water

The EDR-Fire Insurance Map And City Directory
Abstract

Proficient Food Co.
5675 Sunol Blvd.
Pleasanton, CA 94566

June 2, 1995

Inquiry Number: 78343-28

Environmental Data Resources, Inc.

Creators of Toxicheck®

***The* Source For Environmental Risk Management Data**

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

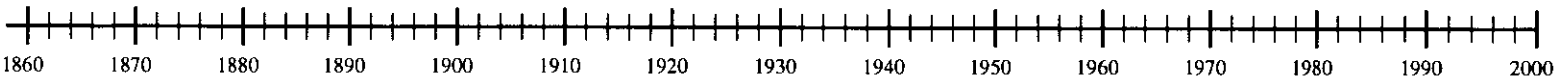
Telephone: 1-800-352-0050
FAX: 1-800-231-6802

EDR-PRIOR USE REPORT™ TIMELINE

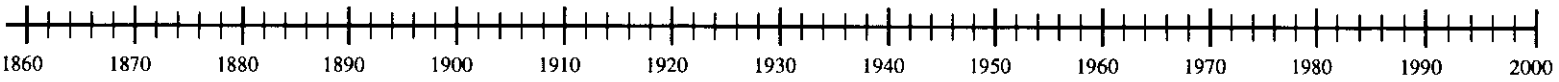
Target Property

Adjoining Property

Front



Back



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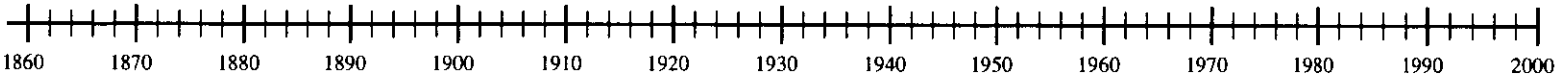
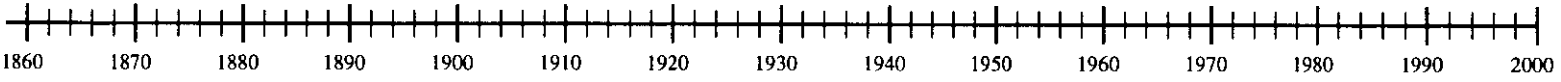


Right



R = Residential

C/I = Commercial or Industrial

RC = Residential With Commercial Use

O = Other

V = Vacant

– = Multiple Locations

: = Multiple Types

• = Aerial Photography

The Superscript number coresponds to the Graph ID in the text report

Target Property: Proficient Food Co.
Address: 5675 Sunol Blvd.
City/State/Zip: Pleasanton, CA 94566

Customer: Garrett Consulting, Inc.
Contact: Don Watson
Inquiry #: 78343-28
Date: 06/02/95

4. SUMMARY

- ***Fire Insurance Maps:***

Microfilm collections of fire insurance maps available through the Library of Congress, University Publications of America, and various public local sources were searched and maps depicting the target property at the specified address were not found.

- ***City Directories:***

Through a search of national city directory collections, including Polk directories and cross reference directories, the target property at the specified address was not found.

ASTM E 1527-94 specifies that *"Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself. Factors to consider in determining [at what distance a surrounding use should be determined] include, but are not limited to: the extent to which information is reasonably ascertainable, the time and cost involved in reviewing surrounding uses (for example,...reviewing local street directories for more than a few streets that surround the site is typically too time-consuming); the extent to which information is useful, accurate, and complete in light of the purpose of the records review; the likelihood of the information being significant to recognized environmental conditions in connection with the property...* (ASTM E 1527-94, Section 7.3.3, page 12.)

Glossary of Terms

Address Change

Indicates that a change of address has occurred; indicates new address. A change of address may occur when a city, street, or the address ranges of a street are restructured.

Address in Research Source

Indicates that a property is listed at a different address than the one provided by the user. Generally occurs when a property is located on a corner or, when the physical address of a property is different than its mailing address.

Address Not Listed in Research Source

Occurs when a specific site address is not listed in city directories and/or fire insurance maps.

Adjoining

Any property that is contiguous, or a property that would be contiguous if not for a public thoroughfare, to the target property. *To differentiate from each adjoining property, stand at the target property's "front door" facing the street.*

Adjoining Back

Property directly to the rear of the target property.

Adjoining Front

Property directly in front of the target property.

Adjoining Possible

Property that may adjoin the target property but due to lack of specific map information cannot be located precisely. This situation typically occurs when city directory information, but not fire insurance map information, is available.

Adjoining Right

Property directly to the right of the target property.

Commercial

Any property including, but not limited to, property used for industrial, retail, office, agricultural, other commercial, medical, or educational purposes; property used for residential purposes that has more than four residential dwelling units.

Commercial or Industrial

Property that has either a commercial *or* an industrial use. Examples include retail stores, manufacturing facilities, factories, and apartment buildings.

Multiple Locations

Indicates that there are two or more sites adjoining the target property's border.

No Return

Indicates that site owner was unavailable at time of surveyor's contact. *Applies only to city directories.*

No Structure Identified on Parcel

Used when site boundaries and/or site address is indicated on a fire insurance map; no structure details exist.

Other

Occurs when the site's classification is different than EDR's standard categories. Examples may include undeveloped land and buildings with no specified function.

Portion

Refers to the fire insurance map information identified on the four quadrants of a target or adjoining property. The portions are referred to as *Frontright, Frontleft, Backright*, and *Backleft* and are determined as if one were facing the target property.

Residential

Any property having fewer than five dwelling units used exclusively for residential purposes.

Residential with Commercial Uses (a.k.a. Multiple Purpose Address)

A business (firm) and residence at the same address. Examples include a doctor, attorney, etc. working out of his/her home.

Site Not Mapped

Occurs when an adjoining property has not been mapped by fire insurance map surveyors.

Vacant

May refer to an unoccupied structure or land. *Used only when fire insurance map or city directory specifies 'vacant.'*

APPENDIX E

UST INFORMATION

Proficient Food Company

February 24, 1995

Dorothy,

Proficient Food Company has never had more than 5 underground tanks at any one time. I previously submitted information which indicated that the 500 & 600 gal. tanks were removed previous to 11-6-1990.

We presently have a total of 3 underground tanks which consist of:

Tank#1 6000 gal., diesel fuel

Tank#2 20,000 gal. diesel fuel

Tank#3 20,000 gal. diesel fuel

This is the extent of our tanks as of 2-24-1995.

The fax that ypu sent me indicates a number of additional tanks which is incorrect. Also, the different state ID#'s, I do not have an explanation other than the information that I have already submitted.

Sincerely,

Ed John
Maintenance Manger

[illegible]

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

CERTIFICATION OF COMPLIANCE FOR UNDERGROUND STORAGE TANK INSTALLATION

FORM C

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

I. SITE LOCATION

STREET 5675 Sunol Blvd -

CITY Pleasanton CA COUNTY Alameda

II. INSTALLATION (mark all that apply):

- [x] The installer has been certified by the tank and piping manufacturers.
- [x] The installation has been inspected and certified by a registered professional engineer.
- [x] The installation has been inspected and approved by the implementing agency.
- [x] All work listed on the manufacturer's installation checklist has been completed.
- [x] The installation Contractor has been certified or licensed by the Contractors State License Board.
- [ ] Another method was used as allowed by the implementing agency. (Please specify.)

Tank #1

III. OATH I certify that the information provided is true to the best of my belief and knowledge.

~~Tank Owner~~/Agent Ed John Ed J Date 2/24/95

Print Name Ed John Phone (510) 484-4840

Address 5675 Sunol Blvd Pleasanton CA 94566

LOCAL AGENCY USE ONLY

STATE TANK I.D #	COUNTY #	JURISDICTION #	FACILITY #	TANK #

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

CERTIFICATION OF COMPLIANCE
FOR UNDERGROUND STORAGE TANK INSTALLATION

FORM C

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

I. SITE LOCATION

STREET 5675 Sunol Blvd

CITY Pleasanton CA COUNTY Alameda

II. INSTALLATION (mark all that apply):

- [ ] The installer has been certified by the tank and piping manufacturers.
- [x] The installation has been inspected and certified by a registered professional engineer.
- [x] The installation has been inspected and approved by the implementing agency.
- [x] All work listed on the manufacturer's installation checklist has been completed.
- [x] The installation Contractor has been certified or licensed by the Contractors State License Board.
- [ ] Another method was used as allowed by the implementing agency. (Please specify.)

Tank #2

III. OATH I certify that the information provided is true to the best of my belief and knowledge.

~~Tank Owner~~/Agent [signature] Date 2/24/95

Print Name Ed John Phone 510 484-1540

Address 5675 Sunol Blvd Pleasanton CA

LOCAL AGENCY USE ONLY

STATE TANK I.D. #	COUNTY #	JURISDICTION #	FACILITY #	TANK #

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

CERTIFICATION OF COMPLIANCE FOR UNDERGROUND STORAGE TANK INSTALLATION

FORM C

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

I. SITE LOCATION

STREET 3675 Sunol Blvd

CITY Pleasanton CA COUNTY Alameda

II. INSTALLATION (mark all that apply):

- ☐ The installer has been certified by the tank and piping manufacturers.
- ☑ The installation has been inspected and certified by a registered professional engineer.
- ☑ The installation has been inspected and approved by the implementing agency.
- ☑ All work listed on the manufacturer's installation checklist has been completed.
- ☑ The installation Contractor has been certified or licensed by the Contractors State License Board.
- ☐ Another method was used as allowed by the implementing agency. (Please specify.)

Tank #3

III. OATH I certify that the information provided is true to the best of my belief and knowledge.

~~Tank Owner~~/Agent [signature] Date 2/24/95

Print Name ED JOHN Phone (510) 447-4440

Address 3675 Sunol Blvd Pleasanton CA

LOCAL AGENCY USE ONLY

STATE TANK I.D. #	COUNTY #	JURISDICTION #	FACILITY #	TANK #

PROFICIENT FOOD COMPANY
5675 SUNOL BLVD. 415-484-1880
PLEASANTON, CA 94566

10622

2-28 19 95 11-35/1210

PAY TO THE ORDER OF City Of Pleasanton $ 487.00

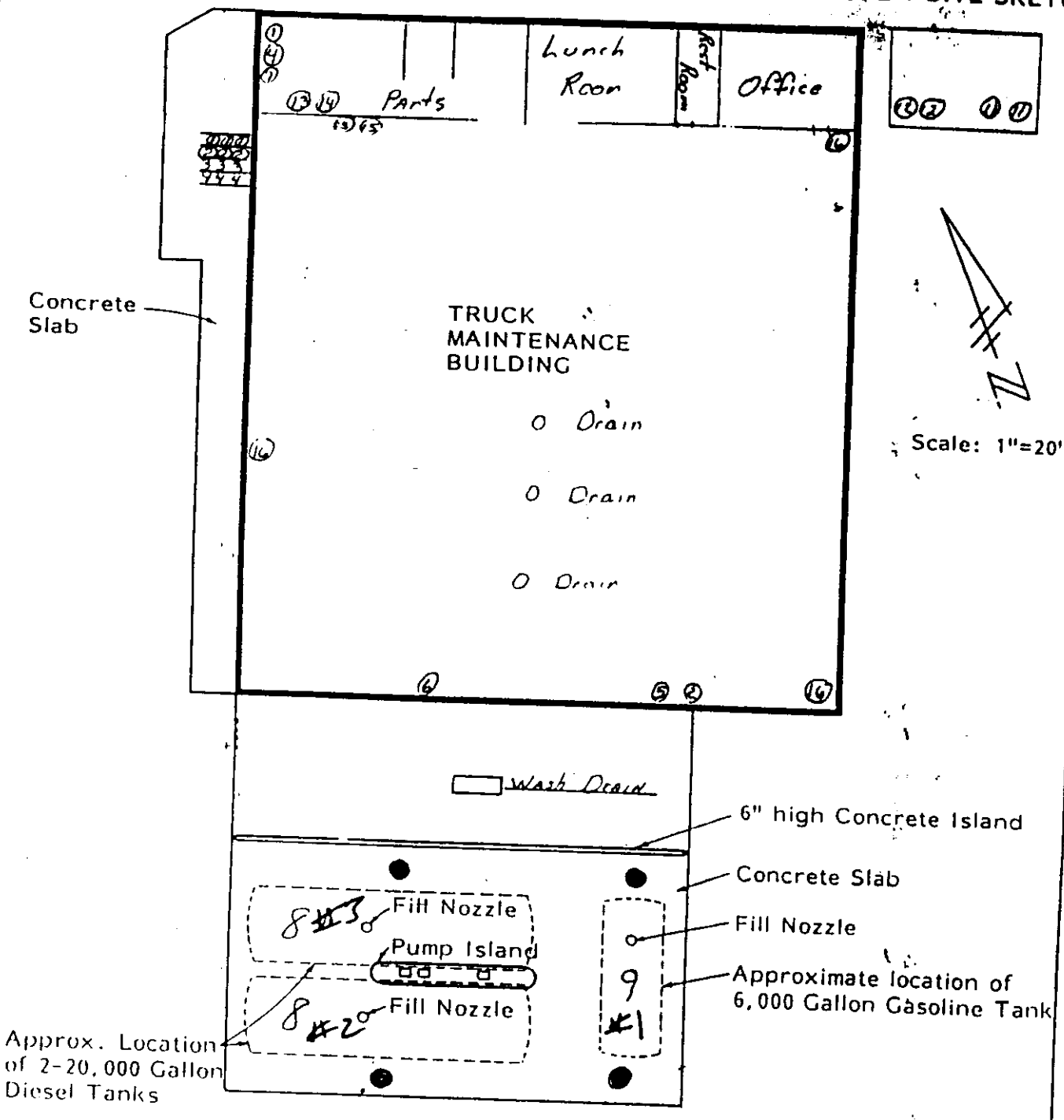
Four hundred eighty seven 00/100 DOLLARS

Bank of America NT&SA
Pleasanton Branch 0235
P.O. Box 10
Pleasanton, CA 94566

FOR ~~Hazard~~ In ground Fuel Tank Fees

⑈010622⑈ ⑆121000358⑆ 02354⑈00590⑈

PROPOSAL: PR86049
DECEMBER, 1986
FIGURE 1-SITE SKETCH



● = underground monitoring wells

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☑ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Proficient Feed Co

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # unknown	B. MANUFACTURED BY: unknown
C. DATE INSTALLED (MO/DAY/YEAR) unknown	D. TANK CAPACITY IN GALLONS: 500 gall

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☑ 4 OIL ☐ 2 PETROLEUM ☐ 80 EMPTY ☐ 3 CHEMICAL PRODUCT ☐ 95 UNKNOWN

B. ☑ 1 PRODUCT ☐ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☑ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☑ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☑ 95 UNKNOWN ☐ 99 OTHER

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☑ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION A (U) 2 PRESSURE A U 3 GRAVITY A U 99 OTHER

B. CONSTRUCTION: A (U) 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A (U) 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER

D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☑ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☐ 99 OTHER

V. TANK LEAK DETECTION

☑ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VAPOR MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL ?
11-6-1990	0 GALLONS	YES ☐ NO ☑

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
ED JOHN	2/14/91

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# COUNTY # JURISDICTION # FACILITY # TANK #

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (9-90) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034 B-R4

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☑ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Proficient Feed Co

I. TANK DESCRIPTION
COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #: Unknown
B. MANUFACTURED BY: Unknown
C. DATE INSTALLED (MO/DAY/YEAR): Unknown
D. TANK CAPACITY IN GALLONS: 600 GALS

II. TANK CONTENTS
IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☑ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☐ 1 PRODUCT ☑ 2 WASTE o.1

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED — C. A. S. # :

III. TANK CONSTRUCTION
MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☑ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☑ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☑ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☑ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

IV. PIPING INFORMATION
CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION — A (U) 2 PRESSURE — A U 3 GRAVITY — A U 99 OTHER

B. CONSTRUCTION: A (U) 1 SINGLE WALL — A U 2 DOUBLE WALL — A U 3 LINED TRENCH — A U 95 UNKNOWN — A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A (U) 1 BARE STEEL — A U 2 STAINLESS STEEL — A U 3 POLYVINYL CHLORIDE (PVC) — A U 4 FIBERGLASS PIPE — A U 5 ALUMINUM — A U 6 CONCRETE — A U 7 STEEL W/ COATING — A U 8 100% METHANOL COMPATIBLE W/FRP — A U 9 GALVANIZED STEEL — A U 10 CATHODIC PROTECTION — A U 95 UNKNOWN — A U 99 OTHER

D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☑ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☐ 99 OTHER

V. TANK LEAK DETECTION

☑ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VAPOR MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR): 11-6-1990
2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING: 0 GALLONS
3. WAS TANK FILLED WITH INERT MATERIAL ? YES ☐ NO ☑

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE): ED JOHN Soy — DATE: 2/10/95

LOCAL AGENCY USE ONLY
THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# — COUNTY # ☐☐ JURISDICTION # ☐☐☐ FACILITY # ☐☐☐☐☐☐ TANK # ☐☐☐☐☐☐

PERMIT NUMBER | PERMIT APPROVED BY/DATE | PERMIT EXPIRATION DATE

FORM B (9-90) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R4

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☑ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Proficient Food Company

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #: unknown

B. MANUFACTURED BY: OWENS / CORNING

C. DATE INSTALLED (MO/DAY/YEAR): Approx Jan 7 1983

D. TANK CAPACITY IN GALLONS: 6,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☑ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☑ 1 PRODUCT ☐ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☑ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED — C. A. S. #:

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☑ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☐ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☑ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☑ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☑ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER

B. CONSTRUCTION: A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER

D. LEAK DETECTION: ☑ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VAPOR MONITORING ☑ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR): N/A

2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ___ GALLONS

3. WAS TANK FILLED WITH INERT MATERIAL? ☐ YES ☐ NO

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE): ED JOHN — DATE: 2/6/95

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# — COUNTY # ☐☐ JURISDICTION # ☐☐☐ FACILITY # ☐☐☐☐☐☐ TANK # ☐☐☐☐☐☐

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (9-90) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R4

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: [ ] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [✓] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY TANK CLOSURE [ ] 7 PERMANENTLY CLOSED ON SITE [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Proficient Food Company

I. TANK DESCRIPTION
COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

TANK #1

A. OWNER'S TANK I. D. #: unknown
B. MANUFACTURED BY: OWENS / CORNING
C. DATE INSTALLED (MO/DAY/YEAR): Approx Jul 7 1983
D. TANK CAPACITY IN GALLONS: 6,000

II. TANK CONTENTS
IF A-1 IS MARKED, COMPLETE ITEM C.

A. [✓] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] 80 EMPTY [ ] 95 UNKNOWN

B. [✓] 1 PRODUCT [ ] 2 WASTE

C. [ ] 1a REGULAR UNLEADED [ ] 1b PREMIUM UNLEADED [ ] 2 LEADED [✓] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: C. A. S. # :

III. TANK CONSTRUCTION
MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D

A. TYPE OF SYSTEM: [ ] 1 DOUBLE WALL [✓] 2 SINGLE WALL [ ] 3 SINGLE WALL WITH EXTERIOR LINER [ ] 4 SECONDARY CONTAINMENT (VAULTED TANK) [ ] 95 UNKNOWN [ ] 99 OTHER

B. TANK MATERIAL (Primary Tank): [ ] 1 BARE STEEL [ ] 2 STAINLESS STEEL [✓] 3 FIBERGLASS [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE W/FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER

C. INTERIOR LINING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [✓] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [ ] 6 UNLINED [ ] 95 UNKNOWN [ ] 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP [ ] 2 COATING [ ] 3 VINYL WRAP [✓] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER

IV. PIPING INFORMATION
CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A (U) 1 SUCTION; A U 2 PRESSURE; A U 3 GRAVITY; A U 99 OTHER

B. CONSTRUCTION: A (U) 1 SINGLE WALL; A U 2 DOUBLE WALL; A U 3 LINED TRENCH; A U 95 UNKNOWN; A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL; A U 2 STAINLESS STEEL; A U 3 POLYVINYL CHLORIDE (PVC); A (U) 4 FIBERGLASS PIPE; A U 5 ALUMINUM; A U 6 CONCRETE; A U 7 STEEL W/ COATING; A U 8 100% METHANOL COMPATIBLE W/FRP; A U 9 GALVANIZED STEEL; A U 10 CATHODIC PROTECTION; A U 95 UNKNOWN; A U 99 OTHER

D. LEAK DETECTION: [✓] 1 AUTOMATIC LINE LEAK DETECTOR [ ] 2 LINE TIGHTNESS TESTING [ ] 3 INTERSTITIAL MONITORING [ ] 99 OTHER

V. TANK LEAK DETECTION

[ ] 1 VISUAL CHECK [ ] 2 INVENTORY RECONCILIATION [ ] 3 VAPOR MONITORING [✓] 4 AUTOMATIC TANK GAUGING [ ] 5 GROUND WATER MONITORING [ ] 6 TANK TESTING [ ] 7 INTERSTITIAL MONITORING [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR): N/A
2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ___ GALLONS
3. WAS TANK FILLED WITH INERT MATERIAL ? YES [ ] NO [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANTS NAME (PRINTED & SIGNATURE): Ed John — DATE: 2/24/95

LOCAL AGENCY USE ONLY
THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# | COUNTY # | JURISDICTION # | FACILITY # | TANK #

PERMIT NUMBER | PERMIT APPROVED BY/DATE | PERMIT EXPIRATION DATE

FORM B (9 90) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034 B-R4

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☑ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Proficient Beef Company

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # unknown	B. MANUFACTURED BY: Owens/Corning
C. DATE INSTALLED (MO/DAY/YEAR) Approx Jan. 7 1983	D. TANK CAPACITY IN GALLONS 20,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☑ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☑ 1 PRODUCT ☐ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☑ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW) ☐ 6 AVIATION GAS ☐ 7 METHANOL

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED

C.A.S. #:

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☑ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER ______

B. TANK MATERIAL (Primary Tank): ☐ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☑ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER ______

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☑ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER ______
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☑ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER ______

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A (U) 1 SUCTION; A U 2 PRESSURE; A U 3 GRAVITY; A U 99 OTHER

B. CONSTRUCTION: A (U) 1 SINGLE WALL; A U 2 DOUBLE WALL; A U 3 LINED TRENCH; A U 95 UNKNOWN; A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL; A U 2 STAINLESS STEEL; A U 3 POLYVINYL CHLORIDE (PVC); A (U) 4 FIBERGLASS PIPE; A U 5 ALUMINUM; A U 6 CONCRETE; A U 7 STEEL W/ COATING; A U 8 100% METHANOL COMPATIBLE W/FRP; A U 9 GALVANIZED STEEL; A U 10 CATHODIC PROTECTION; A U 95 UNKNOWN; A U 99 OTHER ______

D. LEAK DETECTION: ☑ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VAPOR MONITORING ☑ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) N/A	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ______ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE): ED JOHN [signature] DATE: 2/6/95

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# COUNTY # ___ JURISDICTION # ___ FACILITY # ___ TANK # ___

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (9-90) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R4

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK/SYSTEM

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☑ 3 RENEWAL PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 7 PERMANENTLY CLOSED ON SITE ☐ 2 INTERIM PERMIT ☐ 4 AMENDED PERMIT ☐ 6 TEMPORARY TANK CLOSURE ☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Proficient Fuel Company

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # unknown	B. MANUFACTURED BY: Owens/Illinois
C. DATE INSTALLED (MO/DAY/YEAR) Approx Jan 7 1983	D. TANK CAPACITY IN GALLONS: 2000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☑ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☑ 1 PRODUCT ☐ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☑ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. #

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☑ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☐ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☑ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☑ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☑ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A (U)	1 SUCTION	A U	2 PRESSURE	A U	3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A (U)	1 SINGLE WALL	A U	2 DOUBLE WALL	A U	3 LINED TRENCH	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U	1 BARE STEEL	A U	2 STAINLESS STEEL	A U	3 POLYVINYL CHLORIDE (PVC)	A (U) 4 FIBERGLASS PIPE
	A U	5 ALUMINUM	A U	6 CONCRETE	A U	7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U	9 GALVANIZED STEEL	A U	10 CATHODIC PROTECTION	A U	95 UNKNOWN	A U 99 OTHER

D. LEAK DETECTION: ☑ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VAPOR MONITORING ☑ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ___ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL ? YES ☐ NO ☐
N/A		

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
Ed John Ed J	2/6/95

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (9-90) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R4

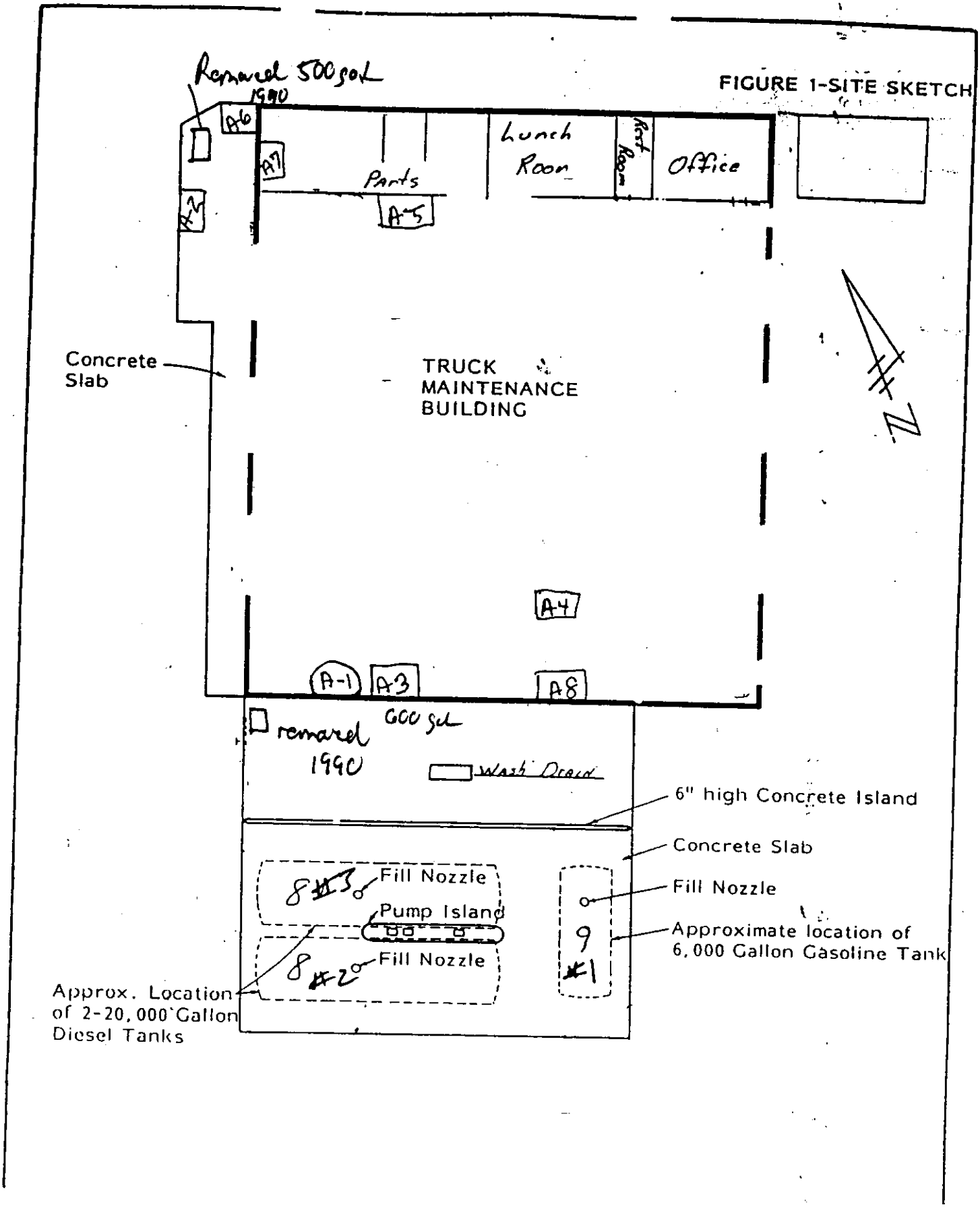


FIGURE 1-SITE SKETCH
Remarel 500 gal
1990
A6
A7
A2
Parts
A5
Lunch Room
Rest Room
Office
Concrete Slab
TRUCK MAINTENANCE BUILDING
N
A4
A-1
A3
A8
remarel
1990
600 gal
Wash Ocard
6" high Concrete Island
Concrete Slab
Fill Nozzle
Pump Island
Fill Nozzle
Fill Nozzle
Approximate location of 6,000 Gallon Gasoline Tank
Approx. Location of 2-20,000 Gallon Diesel Tanks

Pleasanton Fire Department
4444 Railroad Ave.
P. O. Box 520
Pleasanton, CA 94566-0802
(510) 484-8114
FAX: (510) 484-8178

To: Ed Long
Company: Proficient
FAX: 484-5613

From: Dorothy Pearson
# of Pages: 8
Date: February 10, 1995

Thank you for bringing in the forms today. As I was checking the paperwork, I have the attached info on other tanks. These have a different state ID # in upper right hand corner. Below is everything I list for Proficient. Can you research and find any closure paperwork for the other tanks. I will be on vacation on Feb 13-15 so I will contact you at the end of the week. Thanking you in advance for your cooperation.

2/23/95 - Still have not researched info -
Please advise - Dorothy Pearson

5676 Sunol Bl	Proficient Foods	N		01-005-86033-000082	5,000 unleaded
5676 Sunol Bl	Proficient Foods	N		01-005-86033-000082	10,000 diesel
5676 Sunol Bl	Proficient Foods	N		01-005-86033-000082	20,000 diesel
5675 Sunol Bl	Proficient Foods	N		01-005-86033-000084	500 oil
5676 Sunol Bl	Proficient Foods	N		01-005-86033-000085	500 waste oil
5675 Sunol Bl	Proficient Foods	N		01-005-046079-000001	500 unknown
5676 Sunol Bl	Proficient Foods	Y		01-005-046079-000002	5,000 unleaded
5675 Sunol Bl	Proficient Foods	Y		01-005-046079-000003	20,000 diesel
5675 Sunol Bl	Proficient Foods	Y-R	11/90	01-005-046079-000004	20,000 diesel
5675 Sunol Bl	Proficient Foods	Y-R	11/90	01-005-046079-000005	500 oil

CITY OF PLEASANTON

P.O. BOX 520 • PLEASANTON, CALIFORNIA 94566-0802

December 28, 1994

CITY OFFICES
123 MAIN STREET

CITY COUNCIL
484-8001

CITY MANAGER
484-8008

CITY ATTORNEY
484-8003

CITY CLERK
484-8235

FINANCE
484-8033

PERSONNEL
484-8012

CITY OFFICES
200 OLD BERNAL AVE.

PLANNING
484-8023

ENGINEERING
484-8041

BUILDING INSPECTION
484-8015

COMMUNITY SERVICES
484-8160

WATER - BILLING
484-8038

FIELD SERVICES
3333 BUSCH ROAD

PARKS
484-8056

SANITARY SEWER
484-8061

STREET
484-8066

SUPPORT SERVICES
484-8067

WATER
484-8071

FIRE
4444 RAILROAD AVE.
484-8114

POLICE
4833 BERNAL AVE.
P.O. BOX 909
484-8127

NOTICE: Underground Tank Fees & Submittals
DUE DATE: January 20, 1995

Dear Underground Tank Owner:

We are in the process of updating our records concerning underground tanks in the City of Pleasanton. The purpose of this letter is to inform you of fees owed to the State/City and important information regarding State requirements on underground storage tanks.

Fees Owed

Our records indicate that you have the following underground storage tank(s) at your facility. **If this is incorrect, please correct and provide information on the enclosed State A and B forms to correct our database.**

Tanks and Contents	State ID Number	
~~5,000 unleaded~~ 6,000 diesel	01-006-06033-000001	corrected capacity + use
20,000 diesel	01-006-06033-000002	
20,000 diesel	01-006-06033-000003	
~~500 oil~~	~~01-006-06033-000004~~	Removed
~~500 waste oil~~	~~01-006-06033-000005~~	Removed

The following fees are owed for underground tanks in the City of Pleasanton:

1.	**City permit fees ($39 per tank):** (valid January 1995 to December 1995)	$195
2.	**State surcharge fees:**	
	5 tanks x $56/tank (valid June 1992 to June 1997)	$280
	June 1987 to June 1992 - past due	$280
	Total Due	**$755**

The City permit fee is valid for one year. The State surcharge fee is valid for five years. We will issue an underground tank permit that is valid for five years providing that the annual City fees are paid. The State has also required us to collect, if applicable, surcharge fees for the previous five-year period that were not submitted. Please remit a check for this amount (or corrected amount) to the City of Pleasanton by January 20, 1995. Please indicate on the lower left portion of the check, the amount of the check that is for state surcharge fees with the accompanying State ID number.

State & City Requirements

A. Upgrade Requirements

We would also like to inform you of several new State requirements concerning underground tanks that may have serious impact on tank owners.

The State has revised its regulations in response to Federal requirements. All underground tanks must be upgraded **by December 22, 1998**. All tanks must have spill and overfill prevention and striker plates. The City of Pleasanton **has chosen to replace single-wall tanks** rather than have them cathodically protected. Pressurized piping must also be upgraded to have automatic pump shut-off capability. The December 22, 1998 deadline is the date when all work must be completed. You must notify the Pleasanton Fire Department of your intentions to upgrade **before** doing the work. This means obtaining permits and providing a written description of work to be performed. Please find the attached handouts which further describes the upgrade requirements: "Upgrading USTs for 1998" and "Don't' Wait Until It's Too Late".

B. Financial Responsibility

Financial responsibility documents covering releases from underground storage tanks containing petroleum product were to have been submitted to the Local Administering Agency, which is the City of Pleasanton Fire Department, by **December 31, 1993**. We have not received these certificates from most facilities. Please submit this information to us by **January 20, 1995.** We will not issue valid operating permits until this information is received.

C. Monitoring Procedures and Emergency Response Plans

Underground storage tank owners and operators are required to maintain written monitoring procedures and emergency response plans. Our operating permits will reference the monitoring procedures and response plans. Please complete these attached forms which will be referenced in your operating permit by **January 20, 1995.** Again, we will not issue an operating permit unless this information is submitted.

D. State A, B and C Forms

Please complete the enclosed State A and B forms. You must complete one "A" form for each facility and one "B" form for each tank that you own. At the top of the "B" form, be sure to check a box to describe tank system status. In most cases, box 3 - Renewal permit should be checked.

If an underground tank has been removed, you need to submit an "A" and "B" form and check the appropriate box at the top of the page - for example, box 8 - Tank removed.

A "C" form must be completed for any new tank installation. It certifies that the installation work was performed properly.

All State forms must be submitted to the Fire Department.

E. Hazardous Materials Management Plans (HMMPs)

State law requires that owners and operators of hazardous materials facilities update hazardous materials inventory statements on an annual basis and the complete HMMP once every two years. Please submit an updated HMMP to this office no later than January 20, 1995. You can submit either the completed form or GAIA disk. Be sure to include an updated map, as these are required for the operating permit.

Once all fees are paid and the above mentioned documentation is received, we will issue an operating permit for your underground storage tanks. The permit will be valid for five years providing that the annual City fees are paid. You only have to pay the State surcharge fee once every five years.

In the near future, you will be receiving a follow-up letter discussing further State requirements regarding monitoring, tank testing and reporting requirements and the inspection program.

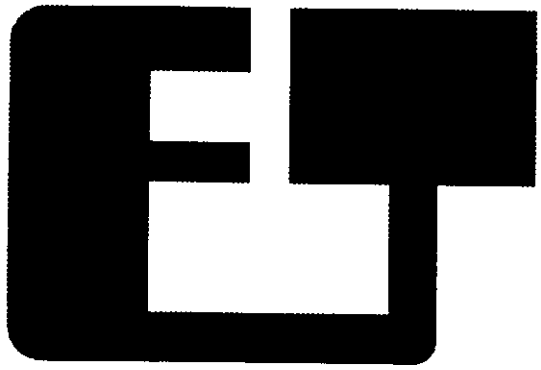
Thank you for your cooperation in providing this information to us. If you have questions regarding this letter, please call the following personnel at (510) 484-8114: B/C Bill Halvorsen regarding program guidelines, or Dorothy Pearson with administrative questions, or our consultants Chris Boykin or Reinhard Hanselka if your questions are of a technical nature.

Sincerely,

George Withers

George Withers
Fire Chief
Pleasanton Fire Department

Attachments:
State A, B & C forms
Updated HMMP including map
Handouts on Upgrading tanks for 1998
Monitoring Procedures and Emergency Response Plan forms



EXCELTECH

TANK REMOVAL
CLOSURE REPORT

FOR

PROFICIENT FOOD COMPANY
5675 SUNOL BOULEVARD
PLEASANTON, CALIFORNIA

Project No. 3-10030-11
January 1991

Northern California Regional Office 41674 Christy Street, Fremont, CA 94538-3114 (415) 659-0404 Fax: (415) 651-4677 Lic # 596545

EXCELTECH

January 3, 1991

Proficient Food Company
5675 Sunol Boulevard
Pleasanton, CA 94566

Attention: Mr. Wayne McClay

Subject: Motor Oil and Waste Oil Tank Removals
Exceltech Project No. 3-10030-11

Dear Mr. McClay:

Exceltech, Inc., is pleased to provide Proficient Food Company with this brief letter report regarding the removal of one 500-gallon underground motor oil tank and one 600-gallon underground waste oil tank from your facility located at 5675 Sunol Boulevard in Pleasanton, California.

Prior to beginning tank excavation, all applicable regulatory agencies were notified and required permits were obtained (see Appendix A). On November 5, 1990, Exceltech excavated the concrete and soil from above the tanks in preparation for their removal. On November 6, 1990, Exceltech added three pounds of dry ice per 100-gallons of tank capacity to each tank to displace oxygen contained in the tanks and render them inert. The tanks were then removed under the direction of the Pleasanton Fire Department.

During removal, the tanks and product lines were inspected for visible signs of failure. Everything appeared to be sound except the fitting where the waste oil product line joined the top of the waste oil tank. Some waste oil appeared to have leaked from around this fitting, down the sides of the tank, and into the surrounding fill material. No other staining appeared in either excavation and no fuel odor was observed. All contaminated material appeared to be removed during excavation of the waste oil tank.

The material surrounding the tanks was small gravel or quarry tailings. All material removed from the excavation was either placed in bins or on plastic sheeting and covered with plastic sheeting. Groundwater was not encountered

The tanks and associated piping were loaded onto hazardous waste hauling trucks for shipment to a certified disposal facility. These materials were accompanied by a hazardous waste manifest (see Appendix B).

The waste oil product line running under the building floor from the excavation to the service pit was pressure tested with water and found to be sound. The line ends were then filled with one foot of grout. The sections of the motor oil product line and the waste oil clean out line running through the building walls were grouted shut. The vent lines for the two tanks are built into the walls of the truck maintenance building. With the approval of the Pleasanton Fire Department, these lines were left in place and grouted closed at the bottom.

A concrete slab underlay each tank. The Pleasanton Fire Department required that one sample be taken from the native soil under each slab. Because these slabs proved to be thicker than anticipated, Exceltech was not able to knock a hole through the slab under the waste oil tank and sample there until the following day (November 7). Exceltech was not able to knock a hole through the slab under the motor oil tank with the excavation open. Therefore, the excavations were backfilled to 4 inches from grade with compacted pea gravel and Class II baserock. With the approval of both Proficient Food Company and the Pleasanton Fire Department, Exceltech bored a hole through the new backfill and the concrete slab under the motor oil tank using a drill rig. A sample was then taken from the native soil under the slab. The sides of this hole immediately collapsed when the drill bit was removed. A permit was obtained from the Alameda County Flood Control and Water Conservation District for this boring (see Appendix C).

Additionally, four samples were collected from the waste oil excavation stockpile and four from the motor oil excavation stockpile.

Each soil sample was collected in a brass sample tube, sealed with foil, capped with plastic lids, and placed in a chilled ice chest for transport. A map with the sample locations was made. Samples were accompanied by chain-of-custody documentation (see Appendix D).

Samples were kept chilled until they were analyzed by Sequoia Analytical Laboratories, a state-certified laboratory. Sample results reported on November 28, 1990, indicated minute levels of hydrocarbon contamination: 1 part per million (ppm) under the waste oil tank (Sample label WO1) and 4 ppm under the motor oil tank (Sample label MO1, see Appendix D). Samples from the excavated material showed 190 ppm in the material from the waste oil excavation (composite Sample label W-1 through W-4) and 180 ppm in the material from the motor oil excavation (composite Sample label M-1 through M-4, see Appendix D). These excavated materials will have to be disposed of at a landfill.

On November 12, 1990, Exceltech poured concrete at the locations of the two tanks to match the existing surrounding surfaces.

Copies of the laboratory analytical reports, chain-of-custody documentation, and manifests are attached to this report.

I have enclosed an extra copy of this report for you to provide to the Pleasanton Fire Department. Should you have any questions regarding this report, please contact me at (415) 659-0404. Exceltech is pleased to have been of service to you on this project.

Sincerely,
Exceltech, Inc.

Bruce Macpherson

Bruce Macpherson
Field Supervisor

BM/sw
Enclosures

Pleasanton Fire Department

4444 Railroad Street P.O.Box 520
Pleasanton, California 94566-0802
(415) 484-8114

Hazardous Materials Use Permit Application

Application is hereby made by the undersigned to secure a hazardous use permit to use, install, operate or conduct the following materials, processes or operations:

Describe what is to be done below.

Underground Tank Installation : ☐

Underground Tank Closure : ☒ (Closure Plan document required)

Other : ☐ (describe below)

.....

.....

.....

With this application please furnish the following information

Business Name [Proficient Food Company]

Business Address [5675 Sunol Boulevard]

City [Pleasanton] State [Ca] Zip [94566]

Permit Location [5675 Sunol Boulevard] Pleasanton, California

Business Tel No [(415) 484-1880] (Include area code)

Business Owner [Proficient Food Company] Check if same as applicant [ ]

The following information is also required for this application:

[ ] Complete Plans [ ] Construction Details [ ] Copies of Other Permits or Licenses

[ ] Approvals or Listings [ ] Other .....

Please submit a check made out to the *City of Pleasanton* in the amount of $ [78] with this application.

Applicant [Bruce Mayhorn] Date [10/17/90]

PLEASANTON FIRE DEPARTMENT
CLOSURE PLAN FOR UNDERGROUND STORAGE TANKS

'OUNT OF FEE DUE CITY OF PLEASANTON:
£ PERMIT NUMBER (ALSO FUNCTIONS AS CLOSURE PLAN PERMIT) :
DATE CLOSURE PLAN SUBMITTED :
TANK CLOSURE PERMIT EXPIRES DAYS FROM THE DATE OF CLOSURE PLAN APPROVAL.
FEE PAID AND DATE:

FACILITY NAME: Proficient Food Company

PHONE # : 415-484-1880

FACILITY ADDRESS: 5675 Sunol Blvd., Pleasanton, Ca 94566

CONTACT PERSON: Mr. Wayne McClay

TANK CLOSURE CONTRACTOR: Excaltech, Inc.

ADDRESS: 41674 Christy St., Fremont, Ca 94538-3114

CITY: Fremont

PHONE NUMBER : 415-659-0404

\ME AND PHONE NUMBER OF FIRM WHO WILL TAKE SOIL SAMPLES:
Same as above

PH #:

NAME AND PHONE NUMBER OF LABORATORY THAT WILL ANALYZE SOIL SAMPLES:
Sequoia Analytical

PH #: 415-364-9600

APPROXIMATE DATE OF TANK CLOSURE: 11/6/90

METHOD OF TANK CLOSURE:

[X] 1. ADDING DRY ICE (1.5 LBS PER 100 GALLON CAPACITY), MANIFEST AND REMOVE AS HAZARDOUS WASTE

[ ] 2. TRIPLE RINSE HAZARDOUS SLUDGE/RESIDUE, MANIFEST RESIDUE/SLUDGE AND REMOVE TANK(S).

[ ] 3. OTHER PROCEDURE (DESCRIBE):

PLEASANTON FIRE DEPARTMENT
CLOSURE PLAN FOR UNDERGROUND STORAGE TANKS

NAME OF TANK HAULER: Erickson

DESTINATION OF TANK(S): Erickson's 255 Parr Blvd., Richmond facility for triple rinsing

TANKS TO BE REMOVED:

	SIZE	TANK CONTENTS	AGE	LAST TIME TESTED	REASON FOR REMOVAL
TANK #1.	500 gallon	Motor Oil	unknown	unknown	UST regulations
TANK #2.	600 gallon	Waste Oil	unknown	unknown	" "
TANK #3.					
TANK #4.					
TANK #5.					
TANK #6.					

(ATTACH EXTRA SHEETS AS NECESSARY)

PLOT PLAN:

ATTACH A PLOT PLAN OF THE TANKS TO BE CLOSED. INDICATE THE NEAREST CROSS STREETS TO THE FACILITY, THE BUILDINGS IMMEDIATELY ADJACENT TO THE TANKS, AND THE LOCATION OF THE TANKS TO BE CLOSED.

(NOTE: PLOT PLAN MUST BE STAMPED AND CLOSURE PLAN APPROVED BY FIRE PREVENTION BUREAU BEFORE PERMIT CAN BE ISSUED.)

I DECLARE, UNDER THE PENALTY OF PERJURY, THAT THE AFOREMENTIONED INFORMATION AND ATTACHED PLOT PLAN(S) ARE CORRECT TO THE BEST OF MY KNOWLEDGE. IF THERE IS ANY CHANGE WHICH WOULD MATERIALLY AFFECT THE ABOVE INFORMATION, I WILL NOTIFY PLEASANTON FIRE DEPARTMENT, CHEMICAL SPECIALIST , OR FIRE MARSHALL, IN THE ABSENCE OF THE CHEMICAL SPECIALIST.

Bruce Mayberson 10/25/90

(APPLICANT'S SIGNATURE AND DATE)

FORM 181-302-5/88-REVISED

Wilson Jones - Carbonless - S1854 NCR Duplicate - S1857 NCR Triplicate

MADE IN U.S.A.
Wilson Jones 1989

DATE Nov 1, 1990

RECEIPT

NUMBER 5[illegible]

RECEIVED FROM Excelfech

Address 41674 Christy St
Fremont CA 94538-3149

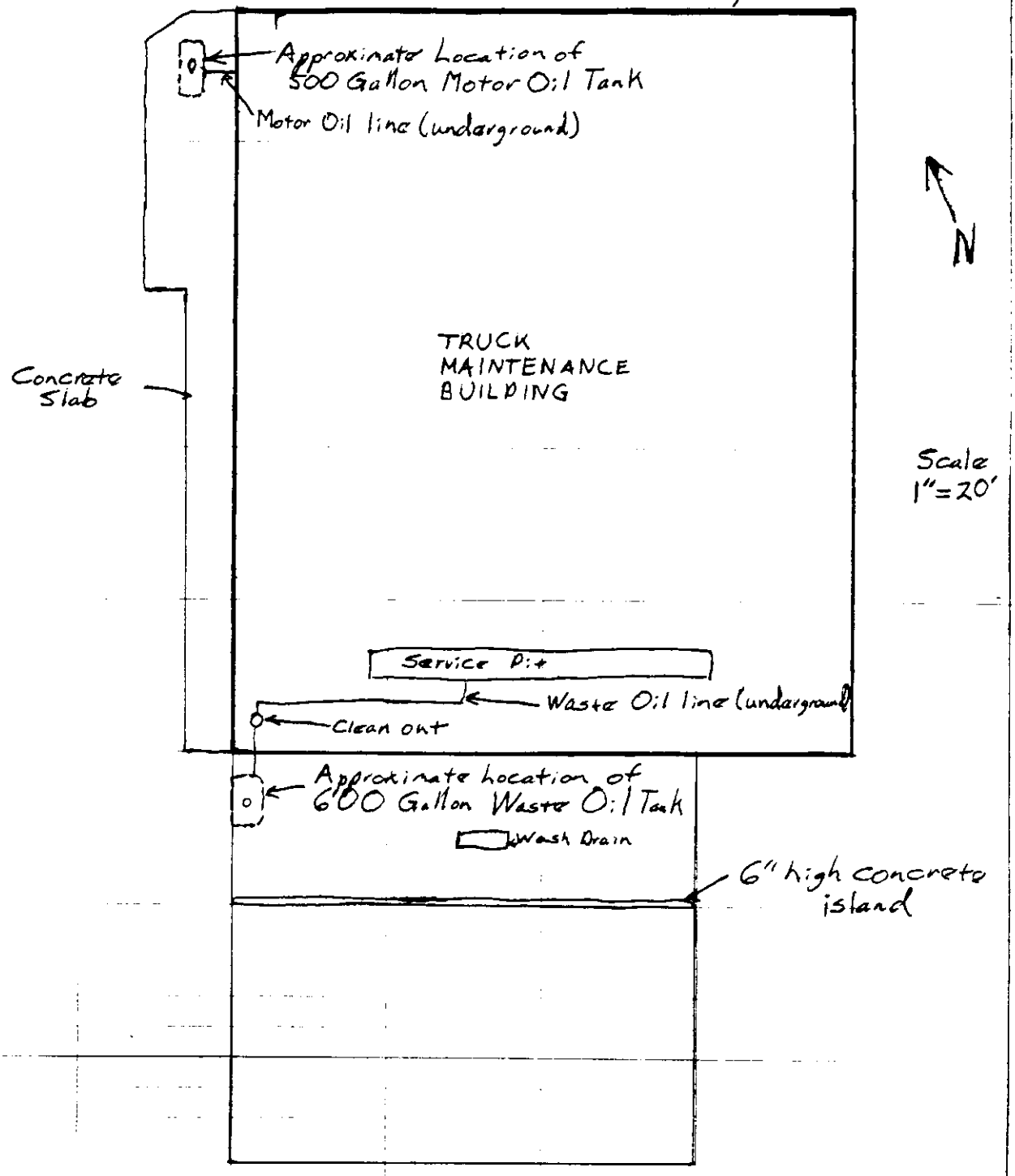
DOLLARS $ 78.00

FOR 2 TANKS - Closure Permit
Proficient Foods 5675 Sunol Bl
Pleasanton Fire Dept

ACCOUNT			HOW PAID		
BEGINNING BALANCE			CASH		
AMOUNT PAID	78	00	CHECK #	012244	
BALANCE DUE			MONEY ORDER		

BY Jay Duncan

Site Diagram: Proficient Food Company



Exceltech, Inc., proposes to close in-place the underground lines leading into the two tanks with the following procedures.

Waste Oil Line

1. Flush the line with a water, surfactant solution.
2. Pressure test the line.
3. Remove the section of line leading from the tank to the edge of the building.
4. Fill the exposed ends of the line and clean out with one foot of grout.

Motor Oil Line

1. Remove the section of line leading from the tank to the edge of the building.
2. Cut the line at the inside edge of the wall of the building (the line runs above-ground in the building).
3. Fill the section of line running through the building wall with grout.

Form Approved OMB No. 2050-0039 (Expires 9-30-91)
Please print or type. (Form designed for use on elite (12-pitch typewriter).)

Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
CAD981683261	101030		

3. Generator's Name and Mailing Address
Proficient Food Co.
5675 Sunol Blvd
Pleasanton Ca 94566
4. Generator's Phone (415) 484-1880

A. State Manifest Document Number: 89890504
B. State Generator's ID:

5. Transporter 1 Company Name: Erickson Inc.
6. US EPA ID Number: CAD009466392
C. State Transporter's ID: 106248
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
G. State Facility's ID:
H. Facility's Phone: (415) 235-1393

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid.	012	T P	3100	P	State 512 EPA/Other NONE
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Qty. 2 Empty Storage Tank (s) #4914, 4915, Tank (s) have been inserted with 15 lbs. Dry Ice per 1000 Gal. Capacity.

K. Handling Codes for Wastes Listed Above
a. 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	Signature	Month	Day	Year
Wayne McClain	Wayne Mc	11	16	90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Norwood Richmond	Norwood Richmond	11	16	90

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	Signature	Month	Day	Year

GENERATOR
TRANSPORTER
FACILITY

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

DHS 8022 A (1/88)
EPA 8700-22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

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

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE ♦ PLEASANTON, CALIFORNIA 94566 ♦ (415) 484-2600

GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Proficient Food Company
5675 Sunol Blvd.
Pleasanton, Ca

CLIENT
Name Proficient Food Co.
Address 5675 Sunol Blvd Phone 484-1880
City Pleasanton Zip 94566

APPLICANT
Name Bruce Macpherson
Excaltech, Inc.
Address 41674 Christy St Phone 659-0404
City Fremont Zip 94538-3114

TYPE OF PROJECT
Well Construction
Cathodic Protection ___
Water Supply ___
Monitoring ___
Geotechnical Investigation
General ___
Contamination X
Well Destruction ___

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger ___
Cable ___ Other X Wash Rotary

DRILLER'S LICENSE NO. 596545

WELL PROJECTS
Drill Hole Diameter ___ In. Maximum
Casing Diameter ___ In. Depth ___ ft.
Surface Seal Depth ___ ft. Number ___

GEOTECHNICAL PROJECTS
Number of Borings 1
Hole Diameter 4.25 In. Maximum Depth 20 ft.

ESTIMATED STARTING DATE 11/9/90
ESTIMATED COMPLETION DATE 11/9/90

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Bruce Macpherson Date 11/8/90

FOR OFFICE USE

PERMIT NUMBER 90667
LOCATION NUMBER

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

(C.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

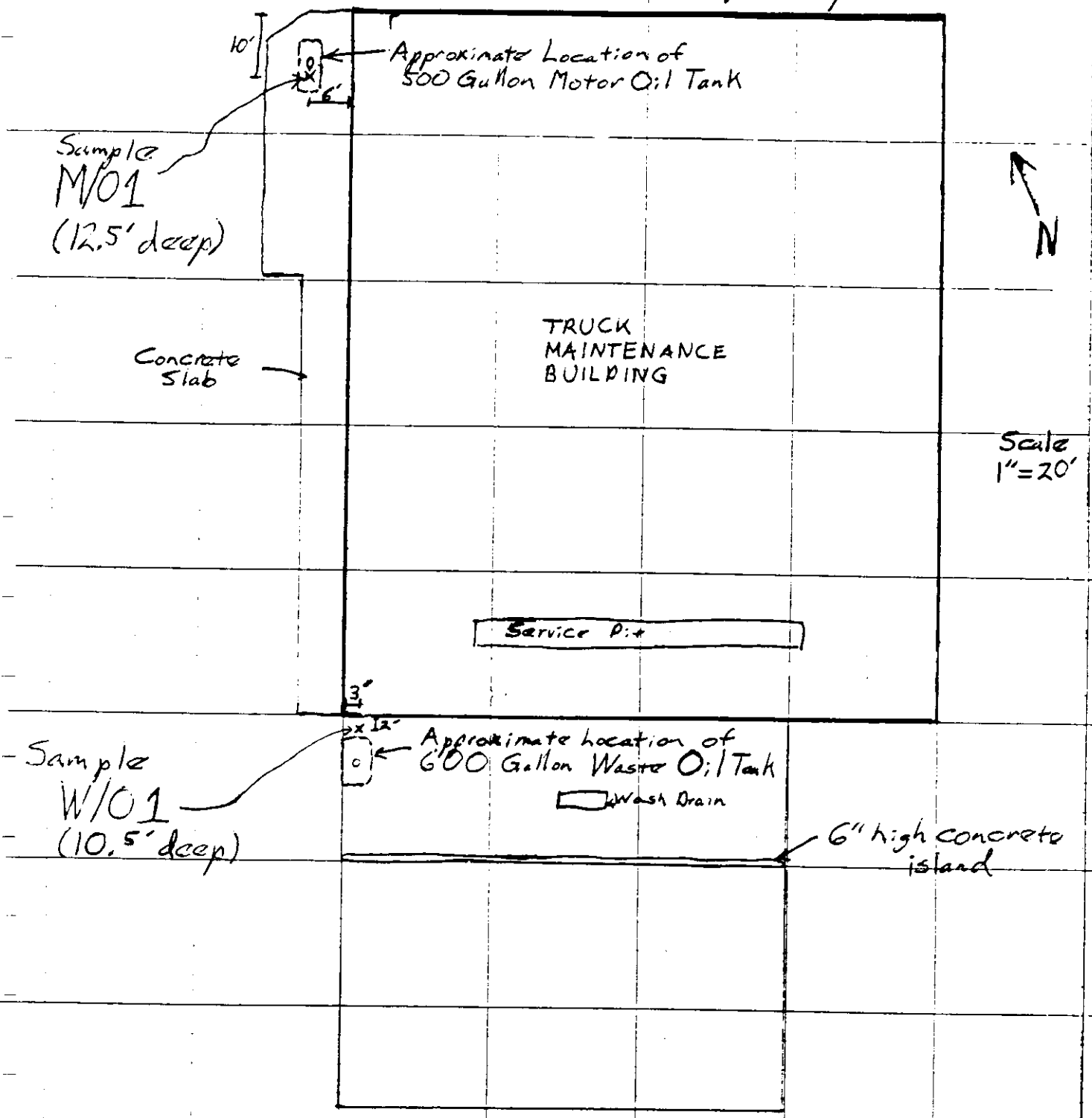
D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 8 Nov 90
Wyman Hong

121989

Sample Diagram: Proficient Food Company



CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
3-1003-11	Proficient Foods

SAMPLERS (Signature): Scott Adams

NO.	DATE	TIME	SAMPLE DESCRIPTION	TPH Gasoline	BTEX	TPH Diesel	TPH Motor Oil	Chlorinated Hydrocarbons	Hold
W/01	11-7	11:40	Brass Tube	X	X	X	X	X	
W1		11:55	Glass Jars (Gravel)						X
W-2		11:57							X
W 3		11:59							X
W 4		12:02							X
M 1		12:10							X
M 2		12:13							X
M 3		12:15							X
M 4		12:17							X

TEST REQUESTED

P.O. # 21409

LAB Sequoia

TURN AROUND TIME Standard

REMARKS

0111524

CANT FIND Sample

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
S Adams	11-7	17:30	Bruce Macpherson
Patrick Hook	11-9-90	4:25 PM	

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
James Dunlin	11/9/90	1550	Patrick Hook

REMARKS: List Broken in Color

REPORT TO: Bruce Macpherson

FORM DATED 3-27-90

EXCELTECH
41674 Christy Street
Fremont, C.A. 94538-3114
(415) 659-0404
Fax (415) 651-4677
Contr. Lic. No. 550205

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech	Client Project ID:	#310030-11, Proficient Foods, PO#21409	Sampled:	Nov 7, 1990
41674 Christy Street	Sample Descript.:	Soil, WO1	Received:	Nov 9, 1990
Fremont, CA 94538	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Nov 21, 1990
Attention: Bruce MacPherson	Lab Number:	011-1524	Reported:	Nov 28, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTEX DISTINCTION (EPA 8015/8020)

Analyte	Detection Limit mg/kg (ppm)	Sample Results mg/kg (ppm)
Low to Medium Boiling Point Hydrocarbons	**1.0**	**1.0**
Benzene	0.0050	N.D.
Toluene	**0.0050**	**0.0050**
Ethyl Benzene	**0.0050**	**0.0050**
Xylenes	**0.0050**	**0.14**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

111524.ENS <1>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech
41674 Christy Street
Fremont, CA 94538
Attention: Bruce MacPherson

Client Project ID: #310030-11, Proficient Foods, PO#21409
Matrix Descript: Soil
Analysis Method: EPA 3550/8015
First Sample #: 011-1524

Sampled: Nov 7, 1990
Received: Nov 9, 1990
Extracted: Nov 15, 1990
Analyzed: Nov 20, 1990
Reported: Nov 28, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
011-1524	WO1	N.D.

Detection Limits:	1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

VM Tague

Vickie Tague
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech	Client Project ID:	#310030-11, Proficient Foods, PO#21409	Sampled:	Nov 7, 1990
41674 Christy Street	Matrix Descript:	Soil	Received:	Nov 9, 1990
Fremont, CA 94538	Analysis Method:	EPA 3550/8015	Extracted:	Nov 15, 1990
Attention: Bruce MacPherson	First Sample #:	011-1524	Analyzed:	Nov 20, 1990
			Reported:	Nov 28, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015) AS MOTOR OIL

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
011-1524	WO1	N.D.

Detection Limits:	1.0

High Boiling Point Hydrocarbons are quantitated against a motor oil standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

VM Tague

Vickie Tague
Project Manager

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech	Client Project ID:	#310030-11, Proficient Foods, PO#21409	Sampled:	Nov 7, 1990
41674 Christy Street	Sample Descript:	Soil, WO1	Received:	Nov 9, 1990
Fremont, CA 94538	Analysis Method:	EPA 5030/8010	Analyzed:	Nov 20, 1990
Attention: Bruce MacPherson	Lab Number:	011-1524	Reported:	Nov 28, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech
41674 Christy Street
Fremont, CA 94538
Attention: Bruce MacPherson

Client Project ID: #310030-11, Proficient Foods, PO#21409

QC Sample Group: 011-1524

Reported: Nov 28, 1990

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	G. Meyer	G. Meyer	G. Meyer	G. Meyer
Reporting Units:	ng	ng	ng	ng
Date Analyzed:	Nov 21, 1990	Nov 21, 1990	Nov 21, 1990	Nov 21, 1990
QC Sample #:	G0112693	G0112693	G0112693	G0112693
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	100	100	100	300
Conc. Matrix Spike:	125	92	98	285
Matrix Spike % Recovery:	125	92	98	95
Conc. Matrix Spike Dup.:	100	110	115	335
Matrix Spike Duplicate % Recovery:	100	110	115	112
Relative % Difference:	22	18	16	16

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

% Recovery:	Conc. of M.S. - Conc. of Sample / Spike Conc. Added	x 100
Relative % Difference:	Conc. of M.S. - Conc. of M.S.D. / (Conc. of M.S. + Conc. of M.S.D.) / 2	x 100

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech
41674 Christy Street
Fremont, CA 94538
Attention: Bruce MacPherson

Client Project ID: #310030-11, Proficient Foods, PO#21409

QC Sample Group: 011-1524

Reported: Nov 28, 1990

QUALITY CONTROL DATA REPORT

ANALYTE	High Boiling Point Hydrocarbons
Method:	EPA 8015
Analyst:	M. Ramos
Reporting Units:	mg/kg
Date Analyzed:	Nov 26, 1990
QC Sample #:	Matrix
Sample Conc.:	N.D.
Spike Conc. Added:	15
Conc. Matrix Spike:	13
Matrix Spike % Recovery:	87
Conc. Matrix Spike Dup.:	15
Matrix Spike Duplicate % Recovery:	100
Relative % Difference:	14

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

% Recovery:	$\frac{\text{Conc. of M.S. - Conc. of Sample}}{\text{Spike Conc. Added}}$	x 100
Relative % Difference:	$\frac{\text{Conc. of M.S. - Conc. of M.S.D.}}{\text{(Conc. of M.S. + Conc. of M.S.D.) / 2}}$	x 100

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech
41674 Christy Street
Fremont, CA 94538
Attention: Bruce MacPherson

Client Project ID: #310030-11, Proficient Foods, PO#21409

QC Sample Group: 011-1524

Reported: Nov 28, 1990

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloroethene	Trichloroethene	Chloro-benzene
Method:	EPA 8010	EPA 8010	EPA 8010
Analyst:	E. Hamilton	E. Hamilton	E. Hamilton
Reporting Units:	µg/kg	µg/kg	µg/kg
Date Analyzed:	Nov 21, 1990	Nov 21, 1990	Nov 21, 1990
QC Sample #:	Matrix	Matrix	Matrix
Sample Conc.:	N.D.	N.D.	N.D.
Spike Conc. Added:	100	100	100
Conc. Matrix Spike:	95	88	119
Matrix Spike % Recovery:	95	88	119
Conc. Matrix Spike Dup.:	91	85	116
Matrix Spike Duplicate % Recovery:	91	85	116
Relative % Difference:	4.3	3.5	2.6

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

% Recovery:	Conc. of M.S. - Conc. of Sample / Spike Conc. Added	x 100
Relative % Difference:	Conc. of M.S. - Conc. of M.S.D. / (Conc. of M.S. + Conc. of M.S.D.) / 2	x 100

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
3-1003-L11	Proficient Foods

SAMPLERS (Signature): Scott Adams

NO.	DATE	TIME	SAMPLE DESCRIPTION	TPH Gasoline	BTEX	TPH Diesel	TPH Motor Oil	Chlorinated Hydrocarbons	Hold	P.O. # 21409 / LAB Sequoia / TURN AROUND TIME Standard / REMARKS
W01	11-7	11:40	Brass Tube	X	X	X	X	X		
W1		11:55	Glass Jars (Gravel)						X	011 2564
W-2		11:57							X	2565
W3		11:59							X	2566
W 4		12:02							X	2567
m1		12:10							X	2568
m2		12:13							X	2569
m3		12:15							X	2570
m4		12'17							X	2571

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
S Adams	11-7	17:30	Bruce Macpherson
Patrick Hook	11-8-90	4:25 PM	Scott Hamm

REMARKS: Wet Brown in Color

REPORT TO: Bruce Macpherson

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
James Dunlin	11/9/90	1550	Patrick Hook

FORM DATED 3-27-90

EXCELTECH
41674 Christy Street
Fremont, C.A. 94538-3114
(415) 659-0404
Fax (415) 651-4677
Contr. Lic. No. 550205

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech	Client Project ID:	#310030-11, Proficient Foods, PO#21409	Sampled: Nov 7, 1990
41674 Christy Street	Matrix Descript:	Soil	Received: Nov 20, 1990
Fremont, CA 94538	Analysis Method:	EPA 3550/8015	Extracted: Nov 21, 1990
Attention: Bruce MacPherson	First Sample #:	011-2564 A-D	Analyzed: Nov 26, 1990
			Reported: Nov 28, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015) AS MOTOR OIL

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
0112564 A-D	W-1, W-2, W-3, W-4, Composite	190
0112568 A-D	M-1, M-2, M-3, M-4, Composite	180

Detection Limits:	**1.0**

High Boiling Point Hydrocarbons are quantitated against a motor oil standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech
41674 Christy Street
Fremont, CA 94538
Attention: Bruce MacPherson

Client Project ID: #310030-11, Proficient Foods, PO#21409

QC Sample Group: 0112564, 68

Reported: Nov 28, 1990

QUALITY CONTROL DATA REPORT

ANALYTE	High Boiling Point Hydrocarbons
Method:	EPA 8015
Analyst:	M. Ramos
Reporting Units:	mg/kg
Date Analyzed:	Nov 26, 1990
QC Sample #:	Matrix
Sample Conc.:	N.D.
Spike Conc. Added:	15
Conc. Matrix Spike:	13
Matrix Spike % Recovery:	87
Conc. Matrix Spike Dup.:	15
Matrix Spike Duplicate % Recovery:	100
Relative % Difference:	14

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

% Recovery:	$\frac{\text{Conc. of M.S. - Conc. of Sample}}{\text{Spike Conc. Added}}$	x 100
Relative % Difference:	$\frac{\text{Conc. of M.S. - Conc. of M.S.D.}}{\text{(Conc. of M.S. + Conc. of M.S.D.) / 2}}$	x 100

CHAIN OF CUSTODY RECORD

PROJECT NO: 3100301 | PROJECT NAME: Proficient Food

SAMPLERS (Signature): Bruce Macpherson

NO.	DATE	TIME	STATION AND LOCATION	TPH Motor Oil	BTEX
M/01	11/9/90		Under Motor Oil Tank pad	X	X

TEST REQUESTED

P.O. # 21409

LAB: Sequoia

TURN AROUND TIME: Standard

REMARKS: Brass tube

011416

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Bruce Macpherson	11/9/90	11:15	Bruce Macpherson as sample custodian
Patrick Hook	11-9-90	4:25 P	

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
James Dunlap	11/9/90	1550	Patrick Hook

REMARKS:

REPORT TO: Bruce Macpherson

ensco environmental services, inc.
41674 Christy Street
Fremont, C.A. 94538-3114
(415) 659-0404
Fax (415) 651-4677
Conv. Lic. No. 550205

FORM DATED 5-30-89

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech	Client Project ID:	#310030-11, Proficient Foods,PO#21409	Sampled:	Nov 9, 1990
41674 Christy Street	Matrix Descript:	Soil, MO1	Received:	Nov 9, 1990
Fremont, CA 94538	Analysis Method:	EPA 3550/8015	Extracted:	Nov 15, 1990
Attention: Bruce MacPherson	First Sample #:	011-1416	Analyzed:	Nov 26, 1990
			Reported:	Nov 28, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015) AS MOTOR OIL

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
011-1416	MO1	4.0

Detection Limits:	1.0

High Boiling Point Hydrocarbons are quantitated against a motor oil standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech
41674 Christy Street
Fremont, CA 94538
Attention: Bruce MacPherson

Client Project ID: #310030-11, Proficient Foods,PO#21409

QC Sample Group: 011-1416

Reported: Nov 28, 1990

QUALITY CONTROL DATA REPORT

ANALYTE	High Boiling Point Hydrocarbons

Method:	EPA 8015
Analyst:	M. Ramos
Reporting Units:	mg/kg
Date Analyzed:	Nov 26, 1990
QC Sample #:	Matrix

Sample Conc.:	N.D.
Spike Conc. Added:	15
Conc. Matrix Spike:	13
Matrix Spike % Recovery:	87
Conc. Matrix Spike Dup.:	15
Matrix Spike Duplicate % Recovery:	100
Relative % Difference:	14

SEQUOIA ANALYTICAL

VM Tague

Vickie Tague
Project Manager

% Recovery:	$\frac{\text{Conc. of M.S. - Conc. of Sample}}{\text{Spike Conc. Added}}$	x 100
Relative % Difference:	$\frac{\text{Conc. of M.S. - Conc. of M.S.D.}}{\text{(Conc. of M.S. + Conc. of M.S.D.) / 2}}$	x 100

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech	Client Project ID:	#310030-11, Proficient Foods,PO#21409	Sampled:	Nov 9, 1990
41674 Christy Street	Sample Descript:	Soil, MO1	Received:	Nov 9, 1990
Fremont, CA 94538	Analysis Method:	EPA 5030/8020	Analyzed:	Nov 23, 1990
Attention: Bruce MacPherson	Lab Number:	011-1416	Reported:	Nov 28, 1990

BTEX DISTINCTION (EPA 8020)

Analyte	Detection Limit mg/kg (ppm)	Sample Results mg/kg (ppm)
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes	0.0050	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

111416.ENS <3>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech
41674 Christy Street
Fremont, CA 94538
Attention: Bruce MacPherson

Client Project ID: #310030-11, Proficient Foods,PO#21409

QC Sample Group: 011-1416

Reported: Nov 28, 1990

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015 8020	EPA 8015 8020
Analyst:	Gloria/Meyer	Gloria/Meyer	Gloria/Meyer	Gloria/Meyer
Reporting Units:	ng	ng	ng	ng
Date Analyzed:	Nov 23, 1990	Nov 23, 1990	Nov 23, 1990	Nov 23, 1990
QC Sample #:	011-1498	011-1498	011-1498	011-1498
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	100	100	100	300
Conc. Matrix Spike:	100	110	110	330
Matrix Spike % Recovery:	100	110	110	110
Conc. Matrix Spike Dup.:	110	110	110	325
Matrix Spike Duplicate % Recovery:	110	110	110	108
Relative % Difference:	9.5	0	0	1.5

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

% Recovery:	$\frac{\text{Conc. of M.S. - Conc. of Sample}}{\text{Spike Conc. Added}}$	x 100
Relative % Difference:	$\frac{\text{Conc. of M.S. - Conc. of M.S.D.}}{\text{(Conc. of M.S. + Conc. of M.S.D.) / 2}}$	x 100

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484-8127

February 8 , 1991

Proficient Food Company
5675 Sunol Blvd
Pleasanton , Calif , 94566

Attn: Wayne McClay

Dear Wayne:

After a review of the Closure Report by Exceltech Environmental for the 500 gallon motor oil and 600 gallon waste oil underground tanks at Proficient Food Company , Pleasanton, dated January 3 , 1991, the City of Pleasanton has made the determination that the 500 gallon motor oil and 600 gallon waste oil underground tanks have been properly closed in accordance with the following sections of the Pleasanton Municipal Code, Chapter 9.16 as follows:

Section III.01- ".....All installation, construction, repair or modification, closure, and removal shall be to the satisfaction of City....."

Section III.04 OUT OF SERVICE STORAGE FACILITIES

Section VIII.08 ADDITIONAL APPROVALS.

"B. If the additional approval request is for closure of a storage facility, permittee shall apply for approval to close such storage facility not less than thirty (30) days prior to the termination of the storage of hazardous materials at the storage facility. Such closure shall be in accordance with a closure plan which describes procedures for terminating the storage of hazardous materials in each storage facility in a manner that:

a. Minimizes the need for further maintenance; and

b. Controls to the extent that a threat to public health or safety or to the environment from residual hazardous materials in the storage facility is minimized or eliminated; and

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c. Demonstrates that hazardous materials that were stored in the storage facility will be removed, disposed of, neutralized, or reused in an appropriate manner. This thirty (30) day period may be waived by City of there are special circumstances requiring such waiver. "

In accordance with provisions of the Pleasanton Municipal Code, Chapter 9.16, Hazardous Materials Storage, this letter shall be a letter of compliance with Chapter 9.16 , and shall serve as your *Certificate of Closure*, effective as of the date of this letter, for the following closed storage facilities at Proficient Food Company:

500 gallon motor oil and 600 gallon waste oil underground tanks

This letter shall be effective for *only* those storage facilities as identified by this report; Any further closure activities either in process as of this date, or subsequent to this date, the City retains jurisdiction to require future compliance.

Sincerely,

Rick Mueller

Rick Mueller
Chemical Specialist
Pleasanton Fire Dept

cc: Bruce Macpherson
Exceltech Environmental

WILLIS CORROON

Five Concourse Parkway
Suite 2600
Atlanta, GA 30328-5346

TRANSMITTED FROM FAX NUMBER: **(404) 698-1673**

FACSIMILE TRANSMITTAL

DATE: **03-21-95**

TO:

ATTENTION: **ED JOHN**

Company: PROFICIENT FOOD COMPANY

City/State: PLEASANTON, CA

Subject: COPY OF CERTIFICATE

Fax No.: 510 / ~~454-561~~3
484-5613

FROM: **NONA WARD**
RISK MANAGEMENT

NO. OF PAGES (INCLUDING COVER SHEET): 2

IF YOU DO NOT RECEIVE ALL PAGES OF TRANSMISSION, PLEASE CALL (404) 399-5600.

ACORD CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY): 03-21-95

PRODUCER

WILLIS CORROON OF GEORGIA
FIVE CONCOURSE PARKWAY/SUITE 2600
ATLANTA, GEORGIA 30328
(404)399-5600

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED

FLAGSTAR CORPORATION
& PROFICIENT FOOD COMPANY
203 EAST MAIN STREET
SPARTANBURG, SC 29319

COMPANIES AFFORDING COVERAGE

COMPANY LETTER	A	SCOTTSDALE INSURANCE COMPANY
COMPANY LETTER	B	WESTCHESTER FIRE INSURANCE COMPANY
COMPANY LETTER	C	CONTINENTAL CASUALTY COMPANY
COMPANY LETTER	D	TRANSPORTATION INSURANCE COMPANY
COMPANY LETTER	E	AMERICAN INTERNATIONAL SPECIALTY LINES INS

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS MADE [ ] [X] OCCUR. OWNER'S & CONTRACTOR'S PROT. X LIQUOR LIABILITY	CLS 173810	06-17-94	06-30-95	GENERAL AGGREGATE PRODUCTS-COMP/OP AGG. ~~PERSONAL~~ ADV. INJURY EACH OCCURRENCE FIRE DAMAGE (Any one fire) MED. EXPENSE (Any one person)	$ 1,000,000 $ 1,000,000 $ 1,000,000 $ 1,000,000 $ $
C	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS GARAGE LIABILITY	BUA 40-251 69 65 (TX) BUA 20-251 69 66 (AOS)	01-01-94	06-30-95	COMBINED SINGLE LIMIT BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE	$ 2,000,000 $ $ $
	EXCESS LIABILITY UMBRELLA FORM OTHER THAN UMBRELLA FORM				EACH OCCURRENCE AGGREGATE	$ $
D	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY	WC10-251 69 61 WC00-251 69 62	01-01-94	06-30-95	STATUTORY LIMITS EACH ACCIDENT DISEASE-POLICY LIMIT DISEASE-EACH EMPLOYEE	 $ 1,000,000 $ 1,000,000 $ 1,000,000
B	OTHER PERSONAL INJURY	CUA 1005130	06-17-94	06-30-95	$1,000,000	
E	U/G STORAGE TK	UST 7732805	04-01-94	04-01-95	$1,000,000	

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS
3RD PTY LIAB

CERTIFICATE HOLDER

CITY OF PLEASANTON-FIRE DEPARTMENT
ATTN: DOROTHY PEARSON
4444 RAILROAD AVENUE
PLEASANTON, CA 94566-0802

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

WILLIS CORROON CORPORATION

CITY OF PLEASANTON

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484-8127

June 1, 1995

Dear Business Owner:

According to the Hazardous Materials Ordinance, Section VIII.12, the city of Pleasanton is enabled to recover its costs in administering the local hazardous materials program.

We have contracted with Advanced Industrial Design Inc. (aidi) to provide hazardous materials consultanting/services to help local business owners understand and comply with city and state regulations. This letter is to advise you that these services will be billed to you at the rate of $115 per hour. This also includes plan check review which will be billed at a minimum of two hours.

Thanking you in advance for your cooperation.

Sincerely,

George Withers

George Withers
Fire Chief

OWENS-CORNING WORLD HEADQUARTERS
FIBERGLAS TOWER
TOLEDO, OHIO 43659
419 248-8000

April 3, 1995

NATKIN CO. or OCCUPANT
C/O PROFICIENT FOOD DIST.
5679 SUNOL BLVD.
PLEASANTON, CA

Dear Valued Customer,

Our records indicate that an Owens-Corning underground tank was purchased and installed at this address. On behalf of Owens-Corning, I want to thank you for your patronage on specifying Fiberglas tanks for your underground storage needs.

This letter is to inform you that Owens-Corning has sold the Tank Division to Fluid Containment, Inc. - a newly-formed company whose primary business operation is fabricating fiberglass storage tanks. They intend to use the same basic technology developed by Owens-Corning, which has been proven in use with more than 200,000 tanks over the last 29 years. So, if you have a need for future fiberglass underground storage tanks, we encourage you to call Fluid Containment, Inc. at 1-800-628-2657.

Owens-Corning will retain the warranty responsibility on all the tanks we manufactured (those bearing an Owens-Corning logo on the end cap). Tanks shipped starting January 1, 1995 and bearing a Fluid Containment logo are warranted by Fluid Containment, Inc.

Since the sale of the tank division also included the Field Service Department, we suggest you call Fluid Containment at 814-542-8520 for your needs in this area. For any suspected warranty claims on Owens-Corning tanks, Fluid Containment will involve Owens-Corning as necessary.

And as a reminder, with any underground storage tanks there are proper operating procedures which must be utilized. To assure you get the maximum service life from your underground tanks, we recommend you follow the following industry practices:

1. Inventory control is required by federal law. If you use the manual dipstick method for inventory control, you should instruct all persons gauging the tank in proper dipstick procedures. Abusive dipstick procedures will create a leak in the tank bottom allowing product to escape, thereby creating a potential environmental and human safety problem.

Name: Ed John / Proficient Food Co
Date: 2/24/95

WRITTEN MONITORING PROCEDURES
UNDERGROUND STORAGE TANK MONITORING PROGRAM

This monitoring program must be kept at the UST location at all times. The information on this monitoring program are conditions of the operating permit. The permit holder must notify the Pleasanton Fire Department within 30 days of any changes to the monitoring procedures, unless required to obtain approval before making the change.

Required by Sections 2632(d) and 2641(h) CCR.

Facility Name: Proficient Food Company
Facility Address: 5675 Sunol Blvd — Pleasanton CA 94566

A. Describe the frequency of performing the monitoring:
Tank #1 monitors 24 hrs/day — performs a complete leak monitor test between 1am + 6Am every morning. We perform a visual inspection every work day morning
Piping Fiberglass pipe + tanks

B. What methods and equipment, identified by name and model, will be used for performing the monitoring:
Tank #1 Electronic probes - Veeder Root model TLS-250 Plus
Piping Fiberglass

C. Describe the location(s) where the monitoring will be performed (facility plot plan should be attached):
refer to plot plan

D. List the name(s) and title(s) of the people responsible for performing the monitoring and/or maintaining the equipment: Ed John - responsible for electronic monitoring - Maintenance Manager
Rich Ott + Rick Stark monitor Am + Pm - visual - FUEL HANDLERS

E. Reporting format for monitoring: Electronic printout is performed automatically every day
Tank #1
Piping Fiberglass

F. Describe the preventive maintenance schedule for the monitoring equipment. **Note: Maintenance must be in accordance with the manufacturer's maintenance schedule, but not less than every 12 months:**
Factory rep. performs Annual inspection every year —

G. Describe the training necessary for the operation of UST system, including piping, and the monitoring equipment: System is automated - printouts and an alarm sounds if leakage is detected - leakage results are logged daily - system is underground - all self contained — monitor Box is computerized

Name: Ed John / Proficient Food Co
Date: 2/24/95

WRITTEN MONITORING PROCEDURES
UNDERGROUND STORAGE TANK MONITORING PROGRAM

This monitoring program must be kept at the UST location at all times. The information on this monitoring program are conditions of the operating permit. The permit holder must notify the Pleasanton Fire Department within 30 days of any changes to the monitoring procedures, unless required to obtain approval before making the change.

Required by Sections 2632(d) and 2641(h) CCR.

Facility Name: Proficient Food Company
Facility Address: 5675 Sunol Blvd - Pleasanton CA 94566

A. Describe the frequency of performing the monitoring:
Tank #2 monitors 24 hrs/day - performs a complete leak monitor test between 1 + 6am everyday. We perform a visual inspection every work-day
Piping Fiberglass

B. What methods and equipment, identified by name and model, will be used for performing the monitoring:
Tank #2 Electronic probes - Veeder Root model TLS-250 Plus
Piping Fiberglass

C. Describe the location(s) where the monitoring will be performed (facility plot plan should be attached):
refer to plot plan

D. List the name(s) and title(s) of the people responsible for performing the monitoring and/or maintaining the equipment: Ed John - responsible for electronic monitoring - Maintenance Mgr
Rich Ott + Rick Stark monitor visually - Fuel Hostlers

E. Reporting format for monitoring: Elect. printout performed automatically - everyday
Tank #2
Piping Fiberglass

F. Describe the preventive maintenance schedule for the monitoring equipment. **Note: Maintenance must be in accordance with the manufacturer's maintenance schedule, but not less than every 12 months:**
Factory rep. performs Annual Inspection

G. Describe the training necessary for the operation of UST system, including piping, and the monitoring equipment: System is automated - printouts, alarm sounds if leakage is detected, leakage test results are logged daily, system is underground and is self contained, monitor Box is computerized

Name: Ed John / Proficient Feed Co.
Date: 2/24/95

WRITTEN MONITORING PROCEDURES
UNDERGROUND STORAGE TANK MONITORING PROGRAM

This monitoring program must be kept at the UST location at all times. The information on this monitoring program are conditions of the operating permit. The permit holder must notify the Pleasanton Fire Department within 30 days of any changes to the monitoring procedures, unless required to obtain approval before making the change.

Required by Sections 2632(d) and 2641(h) CCR.

Facility Name: Proficient Feed Company
Facility Address: 5675 Sund Blvd Pleasanton CA 94566

A. Describe the frequency of performing the monitoring:
Tank #3, monitors 24 hrs/day, performs complete leak monitor test between 1-6 AM everyday. We perform visual inspection every work day.
Piping Fiberglass

B. What methods and equipment, identified by name and model, will be used for performing the monitoring:
Tank #3 Electronic probes — Veeder Root Model TLS-250 Plus
Piping Fiberglass

C. Describe the location(s) where the monitoring will be performed (facility plot plan should be attached):
refer to plot plan

D. List the name(s) and title(s) of the people responsible for performing the monitoring and/or maintaining the equipment: Ed John — elect. monitoring — Maint. Mgr.
Rick Ott + Rick Stork visual monitoring — Fuel Hostlers

E. Reporting format for monitoring: Elect. Printout performed automatically — every day
Tank #3
Piping Fiberglass

F. Describe the preventive maintenance schedule for the monitoring equipment. **Note: Maintenance must be in accordance with the manufacturer's maintenance schedule, but not less than every 12 months:**
Factory Rep. performs annual Inspection

G. Describe the training necessary for the operation of UST system, including piping, and the monitoring equipment: Sys. is automated, printouts + alarm sounds if leakage is detected, leakage test results logged daily, system is underground and is self contained, Monitor Box is computerized —

MONITORING OPTIONS FOR TANKS

TANK DESCRIPTION		MONITORING OPTIONS AND SPECIFICATIONS	REFERENCE
SECONDARILY CONTAINED TANKS		***Either:***	
	Interstitial monitoring	» Must be continuous and interstitial probes must be connected to an audible and visual alarm approved by the local agency	§2632(c)(2)(B)
		» If the outer surface is made of a corrodible material, then corrosion protection is necessary (e.g. sacrificial anodes, field-installed corrosion protection system, cladding)	§2635(a)(2)
		Or:	
	Visual	» Visually monitor the primary containment system	§2632(c)
		» All exterior surfaces and the ground below the primary tank must be monitored by direct viewing	§2632(c)(1)(A)
		» Perform the monitoring daily. See this section for information concerning specific details for the visual monitoring program	§2632(c)(1)(B)
		» Record the liquid level of the tank at each inspection	§2632(c)(1)(C)
		» If liquid is observed around or beneath the primary containment system, the owner or operator must determine if the liquid is the result of an unauthorized release.	§2632(c)(1)(D)
SINGLE-WALLED QUANTITATIVE RELEASE DETECTION METHODS		***Use at least one of the following six options:***	
	1) Visual	» See the visual monitoring requirements for new installations or consult Section 2642	§2642
	2) ATG	» Test the tank at least monthly after product delivery or when the tank is filled to within 10% of the highest operating level during the previous month — ea. tank, 90% full ea. month tested ea. month	§2643(b)(1)
		» Release detection capability of 0.2 gph	§2643(b)(1)
		» The ATG shall generate a hard copy of tank data. The hard copy of test data shall also include the calculated leak rate and leak threshold for those systems installed on or after 1/1/95	§2643(b)(1)
at Vadose monitoring- vapors checked weekly or tracer for vapors required to help detect vapors —	***3) ATG plus MIR***	» Test the tank at least monthly when the product level is at least 3 feet	§2643(b)(2)
		» Release detection capability of 0.1 gph — daily stick readings compared to meter readings — log	§2643(b)(2)
		» The ATG shall generate the same test data on hard copy as specified in Section 2643(b)(1)	§2643(b)(2)
		» MIR shall be conducted to detect leaks from the portion of the tank which is not routinely monitored by the ATG	§2643(b)(2)
	4) SIR plus an Integrity Test	» SIR shall be conducted monthly (see Section 2646.1)	§2643(b)(3)
		» Must have a release detection capability of 0.2 gph	§2643(b)(3)
		» A tank integrity test shall be conducted once every 2 years (in accordance with Section 2643.1)	§2643(b)(4)
	5) MIR plus an Intergrity Test	» MIR shall be conducted monthly (see Section 2646)	§2643(b)(4)
		» Must have a release detection capability of 1.0 gph	§2643(b)(4)
		» A tank integrity test shall be conducted annually (in accordance with Section 2643.1)	§2643(b)(4)
	6) Manual Tank Gauging	» This method may be used on tanks which have a total system capacity of 2,000 gallons or less and which can be taken out of service for at least 48 continuous hours each week	§2646(a)
		» This method shall not be used after December 22, 1998 on tanks with a capacity of greater than 1,000 gallons	§2646(c)
		» This method shall not be used on tanks with secondary containment	§2646(c)
		» See Table 4.1 of Article 4 of the regulations for testing periods, integrity testing requirements, and weekly and monthly variation standards	§2645
SINGLE-WALLED QUALITATIVE RELEASE DETECTION METHODS		***Either:***	
	Vadose Zone	» Shall not be used as the sole release detection method where the monitoring well cannot be located in the backfill or if the highest anticipated ground water level is less than 10 feet from the bottom of the tank	§2647(b)
		» Vadose zone vapor monitoring shall be conducted continuously. Other vadose zone monitoring shall be conducted at least weekly	§2647(c)
		» For vadose zone vapor monitoring and soil-pore liquid monitoring requirements see sections 2647(e) and 2647(f) respectively	§2647(e) and §2647(f)
		Or:	
	Ground Water	» Ground water monitoring may be used, where permissible, as the sole release detection method or may be used with other release detection methods	§2648(a)
		» For conditions allowing ground water monitoring to be used as the sole release detection method, see Section 2648(b)	§2648(b)
		» Ground water monitoring shall be conducted at least monthly or continuously	§2648(d)
		» Periodic collection of samples may be required. Samples shall be analyzed by visual observation or field or laboratory analysis as approved by the local agency	§2648(d)

MONITORING REQUIREMENTS FOR SINGLE-WALLED PIPING SYSTEMS

TYPE OF PIPING	MONITORING REQUIREMENTS AND SPECIFICATIONS		REFERENCE
PRESSURE	• ***Hourly***	» Use a test method capable of detecting a release equivalent to 3.0 gph defined at 10 psi.	§2643(c)(1)
		» The leak detection method must *either* trigger an audible and visual alarm or restrict or shut off product flow *(Note: after 1998, the leak detection method is required to shut off product flow when a release occurs).*	§2643(c)(1) and §2666(c)
		And Either:	
	• ***Monthly***	» Use a test method capable of detecting a release equivalent to 0.2 gph defined at normal operating pressure.	§2643(c)(2)
		Or:	
	• ***Annually***	» Use a test method capable of detecting a release equivalent to 0.1 gph defined at 150% of normal operating pressure.	§2643(c)(3)
SUCTION	• ***Every three years***	» Isolate the line from the tank and use a test method capable of detecting a release equivalent to 0.1 gph defined at a minimum of 40 psi.	§2643(d)
		Or:	
		» If the piping cannot be isolated from the tank, test every three years with an overfilled volumetric tank integrity test certified as specified in §2643(f).	§2643(d)
		And:	
	• ***Daily or, for emergency generator systems, at least monthly***	» See Appendix II of the UST regulations for daily monitoring requirements.	§2643(d)
		» Maintain daily monitoring records for three years	
EUROPEAN SUCTION	• ***No monitoring required***	» For European suction systems, the piping must slope back to the tank, the valves and pumps may not be installed below grade in the suction line, and only one check valve may be installed and must be located below and near the suction pump.	§2636(a)
GRAVITY FLOW	• ***Every two years***	» Isolate the line from the tank and use a test method capable of detecting a release equivalent to 0.1 gph defined at a minimum of 40 psi.	§2643(e)
		Or:	
		» If the piping cannot be isolated from the tank, test it every two years with an overfilled volumetric tank integrity test certified as specified in §2643(f).	§2643(e)
		» If the piping is straight and drops vertically, no monitoring is required.	§2643(e)
VENT OR TANK RISERS	• ***No monitoring required***	» The piping system shall be equipped with an overfill prevention system such as a ball or flapper valve, if not, then gravity flow monitoring requirements apply	§2636(a)
VAPOR RECOVERY	• ***No monitoring required***	» For vapor recovery systems designed not to contain liquid phase product; if product is contained, then gravity flow monitoring requirements apply.	§2636(a)

VAPOR PHASE OUT-OF-TANK PRODUCT MONITORS[8]

Test Method	Sensor Type	Manufacturer
Leak Alert System	Metal Oxide Semiconductor	Universal Sensor & Devices 9205 Alabama Ave, unit C Chatsworth, CA 91311 (818) 998-7121
PetroSense CMS-5000 with Digital Hydrocarbon Probe DHP-100	Fiber Optics	FCI Environmental, Inc. 1181 Grier Drive, Bldg. B Las Vegas, NV 89119 (800) 510-3627
Pollulert Probe FD221V Control Unit FD102N	Adsistor	Mallory Controls 2831 Waterfront Pkwy. E. Dr. Indianapolis, IN 46214 (800) 343-2126
Soil Sentry Twelve-X	Metal Oxide Semiconductor	Arizona Instruments Corp. 1100 East University Drive Tempe, AZ 85281 (800) 528-7411
Tankgard Ver. P/N 481532 S/N 03095	Metal Oxide Semiconductor	Mine Safety Appliances Company P. O. BOX 427 Pittsburgh, PA 15230 (412) 776-8600
Tankgard VIII Ver. P/N 488803 S/N 00389	Metal Oxide Semiconductor	Mine Safety Appliances Company P. O. BOX 427 Pittsburgh, PA 15230 (412) 776-8600

[8] Local agencies should review and determine the applicability of vapor sensors on site-specific basis.

VAPOR PHASE OUT-OF-TANK PRODUCT MONITORS[8]

Test Method	*Sensor Type*	*Manufacturer*
Tidel Sensor No. 301-0328-001 & 301-0330-001	*Adsistor*	*Tidel Engineering, Inc. 2615 E. Beltline Road Carrollton, TX 75006 (800) 678-7577*

[8] *Local agencies should review and determine the applicability of vapor sensors on site specific basis.*

Veeder-Root

TLS-250/250i/300/300i/350 UST ATGS
with 8473 Digital Sensing Probe (Magnetostrictive - 0.1 gph test)

AUTOMATIC TANK GAUGING SYSTEM

Certification:	Leak rate of 0.1 gallon per hour with $P_D = 99\%$ & $P_{FA} = 1\%$.
Leak Threshold:	0.069 gallon per hour (a leak is declared if the output of the measurement system exceeds this threshold).
Applicability:	Gasoline, diesel, aviation fuel, and solvents.
Capacity:	The maximum tank capacity is 15,000 gallons. The tank must be at least 95% full.
Waiting Time:	Minimum waiting time between product delivery and test data collection is 8.25 hours.
Test Period:	The minimum data collection time is 3 hours. Test data is acquired and recorded by a microprocessor. Leak rate is calculated from converting the level signals from the probe during the test period to the change in temperature-compensated volume. There must be no dispensing or product delivery during the test.
Temperature:	A minimum of 5 thermistors must be used to determine the average temperature of the stored hazardous substance.
Water Sensor:	A water sensor must be used to detect water incursion. Minimum water level detectable in the tank is 1.32 inches. Minimum change in water level that can be detected is 0.024 inches.
Calibration:	Temperature sensors and probe must be checked and calibrated annually in accordance with manufacturer's instructions.
Comments:	1. The equipment was not evaluated using manifolded tanks. 2. This equipment tests the portion of the tank that contains product. 3. As the product level is lowered the actual leak rate in a leaking tank decreases (due to lower head pressure).

Veeder-Root
125 Powder Forest Drive
Simsbury, CT 06070-2003
Tel: (203) 651-2700

Evaluator: Midwest Research Institute

State Review Completed: 06-09-92

Veeder-Root

TLS-250/250i/300/300i/350 UST ATGS
with 8473 Digital Sensing Probe (Magnetostrictive - 0.1 gph test)

AUTOMATIC TANK GAUGING SYSTEM

Certification: Leak rate of 0.1 gallon per hour with $P_D = 99\%$ & $P_{FA} = 1\%$.

Leak Threshold: 0.069 gallon per hour (a leak is declared if the output of the measurement system exceeds this threshold).

Applicability: Gasoline, diesel, aviation fuel, and solvents.

Capacity: The maximum tank capacity is 15,000 gallons.
The tank must be at least 95% full.

Waiting Time: Minimum waiting time between product delivery and test data collection is 8.25 hours.

Test Period: The minimum data collection time is 3 hours.
Test data is acquired and recorded by a microprocessor.
Leak rate is calculated from converting the level signals from the probe during the test period to the change in temperature-compensated volume.
There must be no dispensing or product delivery during the test.

Temperature: A minimum of 5 thermistors must be used to determine the average temperature of the stored hazardous substance.

Water Sensor: A water sensor must be used to detect water incursion.
Minimum water level detectable in the tank is 1.32 inches.
Minimum change in water level that can be detected is 0.024 inches.

Calibration: Temperature sensors and probe must be checked and calibrated annually in accordance with manufacturer's instructions.

Comments:

1. The equipment was not evaluated using manifolded tanks.
2. This equipment tests the portion of the tank that contains product.
3. As the product level is lowered the actual leak rate in a leaking tank decreases (due to lower head pressure).

Veeder-Root
125 Powder Forest Drive
Simsbury, CT 06070-2003
Tel: (203) 651-2700

Evaluator: Midwest Research Institute

State Review Completed: 06-09-92

UNDERGROUND STORAGE TANK INSPECTION REPORT

Facility Name: Proficient Foods Facility I.D. Number:

Facility Address: 5675 Sunol Blvd City: Pleasanton Zip Code: 94566

Facility Phone No.: (510) 484-1880

Inspection Date: 4-19-95

Time In: 9:15 Time Out:

Inspection Type: Routine ✓ Follow-up

	ID# 1	ID# 2	ID# 3
Product	Diesel	Diesel	Diesel
Inst Date	1983	1983	1983
Size	6000	20 000	20,000

VIOLATIONS	1 yes	1 no	1 n/a	2 yes	2 no	2 n/a	3 yes	3 no	3 n/a
1a. Forms A & B Submitted	✓			✓			✓		
1b. Form C Submitted			✓			✓			✓
1c. Operating Fees Paid	✓			✓			✓		
1d. State Surcharge Paid	✓			✓			✓		
1e. Statement of Financial Responsibility Submitted	✓			✓			✓		
1f. Written Contract Exists between Owner & Operator To Operate UST			✓			✓			✓
2a. Valid Operating Permit - City has not issued		✓			✓			✓	
2b. Approved Written Routine Monitoring Procedure needs amend		✓			✓			✓	
2c. Unauthorized Release Response Plan	✓			✓			✓		
3a. Tank Integrity Test in Last 12 Months			✓			✓			✓
3b. Pressurized Piping Integrity Test in Last 12 Months			✓			✓			✓
3c. Suction Piping Tightness Test in Last 3 Years	✓	*		✓	*		✓	*	
3d. Gravity Flow Piping Tightness Test in Last 2 Years			✓			✓			✓
3e. Test Results Submitted Within 30 Days			✓			✓			✓
3f. Daily Visual Monitoring of Suction Product Piping		✓			✓			✓	
4a. Manual Inventory Reconciliation Each Month			✓			✓			✓
4b. Annual Inventory Reconciliation Statement Submitted			✓			✓			✓
4c. Meters Calibrated Annually	✓			✓	✓		✓		
5. Weekly Manual Tank Gauging Records for Small Tanks			✓			✓			✓
6. Monthly Statistical Inventory Reconciliation Results			✓			✓			✓
7. Monthly Automatic Tank Gauging Results	✓			✓			✓		
8. Ground Water Monitoring									
9. Vapor Monitoring	✓			✓			✓		
10. Continuous Interstitial Monitoring for Double-Walled Tanks			✓			✓			✓
11. Mechanical Line Leak Detectors			✓			✓			✓
12. Electronic Line Leak Detectors			✓			✓			✓
13. Continuous Piping Monitoring in Sumps			✓			✓			✓
14. Automatic Pump Shut-off Capability			✓			✓			✓
15. Annual Maintenance/Calibration of Leak Detection Equipment	✓			✓			✓		
16. Leak Detection Equipment and Test Methods Listed in LG-113 Series		✓			✓			✓	
17. Written Records Maintained on Site	✓			✓			✓		
18. Reported Changes in Usage/Conditions to Operating/Monitoring Procedures of UST System Within 30 Days			✓			✓			✓
19. Reported Unauthorized Release Within 24 Hours			✓			✓			✓
20. Approved UST System Repairs and Upgrades	✓			✓			✓		
21. Records Showing Cathodic Protection Inspection			✓			✓			✓
22. Secured Monitoring Wells	✓			✓			✓		
23. Drop Tube	✓			✓			✓		

RE-INSPECTION DATE: RECEIVED BY:

INSPECTOR: Chris Bayer OFFICE TELEPHONE NO: 484-8114

File Name: Inspect

COMMENTS - INSPECTION REPORT	PAGE: ___ OF ___ DATE:
FACILITY NAME: Proficient Foods	FACILITY I.D. NUMBER
FACILITY ADDRESS: 5675 Sunol Blvd	

1c. Financial Resp. - Must show ~~ag~~ per occurance + annual aggregate amount

7. TLS 250 w/ 8473 .1 GPH magnostrictive probe - OK to use with 29,000 gal manifolded tanks? LG 113-10 says ~~only~~ 15,000 - I will check with State on how to proceed.

2b 3f. Amend monitoring procedures to include daily suction inspection & pressure piping every 3 years

3c. Need documentation on suction piping test.

4c. Meters calibrated as needed - may be more than annual but need to include an annual check.

15. Annual calibration needed for 1995
Test needed to check calibration of ATG. Provide print out of test.

An additional monitoring method for the tanks needs to be proposed

Spill container on 20,000 gal diesel needs to be cleaned out LG 6,000

Verify that tank shut for overfill protection is 90% or 95%.
Verify if one check valve is under dispenser.
Please submit a Plan of Corrections within 30 days

New dipstick needed that is not worn on bottom
- 1998 Upgrade - Striker plate needed

INSPECTOR: Chris Boyki | RECEIVED BY: Ed [signature]

Facility ID Number _____

Leak Detection for Piping

ressurized Piping. A method must be selected from set 1 and set 2. If this facility has more than 4 tanks, please photocopy this page and complete information for all additional piping.

ame of mechanical line leak detector_____ Name of electronic line leak detector_____
Name of line tightness test method_____
Name, address, and license number of tank tester who performed line tightness test_____

as tank tester complied with all State license requirements?	Y	N
e the test equipment and methods listed in LG-113 series?	Y	N
Does the equipment and line tightness test methods meet the criteria in LG-113 series? (For example, piping volume, waiting mes, and test period.)	Y	N
as mechanical line leak detector serviced in last 12 months?	Y	N
Was electronic line leak detector serviced in last 12 months?	Y	N N/A
Was continuous interstitial monitoring system serviced in last 12 months?	Y	N N/A

et 1	Tank 1	Tank 2	Tank 3	Tank 4
Is there a mechanical line leak detector with automatic flow strictor?	No	No	No	
Is there an electronic line leak detector?	↓	↓	↓	
there automatic pump shut-off capability?	↓	↓	↓	
Is there a continuous audible and visual alarm system?	↓	↓	↓	
et 2				
ate of last annual line tightness test, if applicable	?	?	?	
Were lines tested at 150% the normal operating pressure?				
Did lines pass test? If no, specify in comments section below the tatus of the tank and piping and what actions have been taken e.g., has the local agency been notified?)				
Is there interstitial sump monitoring for double-walled piping?	Na	Na	Na	
or continuous interstitial sump monitoring, is system designed to detect releases from any portion of product piping?	↓	↓	↓	
or continuous interstitial sump monitoring, is the monitoring box operational?	↓	↓	↓	
Vapor (V) or ground water (G) monitoring				
For ground water or vapor monitoring, is documentation of monthly monitoring available for last 36 months?				
Other approved method (specify in comments section)				

Suction Piping.

Can product lines be isolated from tank for testing purposes?	?	?	?	
If yes, were lines tested at an equivalence of 40psi (required every 3 years)?				
If no, were lines tested by an overfilled volumetric tank integrity test (required every 3 years)?				

	Tank 1	Tank 2	Tank 3	Tank 4
Date of last line tightness test	?	?	?	
Did lines pass test? If no, specify in comments section below the status of the tank and piping and what actions have been taken (e.g., has the local agency been notified?)	↓	↓	↓	
Is there secondary containment with interstital sump monitoring?	n/a	n/a	n/a	
Vapor (V) or ground water (G) monitoring	V	V	V wells a/c	
Are there written records of daily visual monitoring of suction piping system for the presence of air in piping?	no	no	no	
Other approved method (specify in comments section)				
Leak detection is not required for suction piping if the answer is yes to all four of the following questions:				
Does piping operate at less than atmospheric pressure?	Y	Y	X	
Does piping have only one check valve which is located directly under pump?	N(2)	? N(2)	? N(2)	
Does slope of piping allow product to drain back into tank when suction is released?	Y	Y	X	
Is all above information on suction piping verifiable?				
Gravity Flow Piping.				
Is the gravity flow piping a straight drop?				
Can product lines be isolated from tank for testing purposes?				
If yes, were lines tested at an equivalence of 40 psi? (required every 2 years)				
If no, were lines tested by an overfilled volumetric tank integrity test? (required annually)				
Did lines pass test? If no, specify in comments section below the status of the tank and piping and what actions have been taken (e.g., has the local agency been notified?)				
Is there secondary containment with interstitial sump monitoring?				
Is there a continuous audible and visual alarm system?				

On the back of this sheet, please sketch the site, noting all piping runs, tanks (including size and substances stored), and locati of wells and their distance from tanks and piping.

Comments: Need to verify is one check valve is located under pump

Inspector's Signature: Chris Boyle Date: 4-18-95

Facility ID Number _____

General Requirements

ANSWER EACH QUESTION.	Yes	No	N/A
Has local agency's permit application, if any, been properly completed and submitted?	✓		
Have permit application Forms A & B been properly completed and submitted?	✓		
Has a Form C been submitted for those USTs installed after July 1991?			✓
If the system has been upgraded, does it meet upgrading requirements (e.g., spill, overfill, cathodic protection, interior lining, secondary containment)?	Partial		
Are overfill prevention devices, if any, set at the proper height (e.g., 90% or 95% level)?	✓		
Is there a copy of the operating permit at the UST site?			✓
Does the permit list the 17-digit state UST identification number(s) for each tank at the site?			✓
Does the permit identify the monitoring methods used for the tank(s) and piping?			✓
Is there a copy of the monitoring procedures and response plan at the site?	✓		
Is the permit issued to the tank owner?			✓
Is there a facility plot plan available?			✓
Were records of repairs and release detection monitoring made available for inspection?	✓		
Are facility records maintained at the facility? If not, indicate in comments section where records are maintained.	✓		
Have repaired USTs and/or piping been tightness tested within 30 days of repairs?			✓
Is there a concern that a UST system may not be compatible with the substance stored?		✓	
Were there violations listed on previous inspection reports? If yes, were they corrected?			✓
Were warning letters, notices of violations, etc. previously issued? If yes, were the violations corrected?		✓	
If the leak detection program specifies visual monitoring, are there records of daily visual monitoring?		✓	
Does the owner have written documentation showing compliance with financial responsibility requirements for petroleum USTs?	✓	Needs to be updated	
Do the pumps operate when the emergency electrical shut-off switch is activated?			
Is the emergency electrical shut-off switch properly labelled?			
Are there written records showing that monitoring equipment and devices have been installed, calibrated, operated, and maintained in accordance with manufacturers' specifications? (All leak detection equipment including mechanical line leak detectors, electronic line leak detectors, automatic tank gauges, vapor sensors, and liquid sensors must be serviced every 12 months by appropriate people.)	✓	Piping needs testing	
ANSWER EACH QUESTION FOR CORROSION PROTECTION SYSTEMS.	**YES**	**NO**	**N/A**
Have cathodic protection systems (sacrificial anodes) been tested within 6 months of installation and at least every three years thereafter?			✓
Have repaired cathodic protection systems been tested within 6 months of repairs?			✓
Do records of sacrificial anode system tests indicate system is functioning properly?			✓
Are impressed current systems turned on and operating?			

Have impressed current systems been inspected every 60 days for proper operation?			✓
ANSWER EACH QUESTION FOR SUSPECTED RELEASES	**YES**	**NO**	**N/A**
Is there evidence of spills and/or overfills during deliveries (e.g., dirty backfill, stained asphalt or concrete, or standing/floating hazardous substance)?		✓	
Is there evidence of leaks from piping underneath dispenser panel doors? (observe when dispensing product, if possible)	✓		
Are spill containers, if any, free of hazardous substances, water, and debris?		✓	
Are the piping sumps free of hazardous substances, water, and debris?			✓
FOR USTS NOT IN SERVICE OR TEMPORARILY CLOSED, ANSWER THE FOLLOWING QUESTIONS:	**YES**	**NO**	**N/A**
Did the tank owner apply for temporary closure?			✓
Have Forms A and B been submitted?			✓
Has corrosion protection been maintained?			✓
Has release detection been maintained during temporary closure period?			✓
Are USTs empty?			✓
Are vent lines left open and functional; and are all other lines, pumps, manways, and ancillary equipment capped?			
AT THE END OF THE 12-MONTH TEMPORARY CLOSURE PERIOD, ANSWER THE FOLLOWING QUESTIONS:	**YES**	**NO**	**N/A**
Have the USTs been upgraded or permanently closed? Please indicate.			
If no, has the owner applied for a second 12-month temporary closure period?			
Have Forms A and B for permanent closure been submitted?			
Has a proper site assessment been conducted?			

Re-inspection date _____

Comments: Two tanks 1500 gallon ~~waste~~ new oil + 1 600 gal waste oil were closed in 1991.
Daily reads of suction piping needed.

Inspector's signature: Chester Bykin Date: 4-19-95

Facility ID Number_____

Leak Detection Inspection Checklist

1. Ownership of Tank(s)

Proficient Foods
Owner Name (Corporation, Individual, Public Agency, or other entity):

5675 Sunol
Street Address

Pleasanton CA 94566
City State Zip Code

(570) 484-1880
(Area Code) Phone Number

Ed John
Contact Person At UST Location

2. Location of Tank(s)

Proficient Foods
Facility Name or Company Site Identifier, if different from left

Same
Street Address or State Road, as applicable

City (nearest) State Zip Cod

(Area Code) Phone Number

Number of Tanks at This Location: 3

Permit Number_____ Permit Expiration Date_____

3. Inspection Information

Date: 4-19 Time In: 9:15 Time Out:_____
Inspector: C Burke

4. Purpose of Inspection

Initial Compliance Inspection: ✓ Follow Up:_____
Installation:_____ Other:_____

5. Potential Contamination Receptor(s)

Ground Water: Vapor well
Private Well _____ Distance 520 ft
Public Well _____ Distance _____
Significant Aquifer _____ Distance _____
Other _____

Surface Water Body:
Specify_____
Distance_____

Please use one of the following notations when filling in boxes 6 & 7: 0: In Compliance x Not in Compliance # See Additional P

(based on visual observation)

6. Tank Information

Tank No.	Product	Size	Date Installed	Tank Status	Type of Corrosion Protection	Leak Detection Method	Spill Container	Overfill Preventio
1	Diesel	6K	1983	Active	FG	TLS-250	Y	X
2	Diesel	20K	1983	↓	↓	↓	↓	↓
3	Diesel	20K	1983	↓	↓	↓	↓	↓

7. Piping Information

Tank No.	Product	Date Installed	Type of Corrosion Protection	Pump Type - Pressure/Suction/Gravity Flow	Leak Detection Method
1	Diesel	1983	FG	Suction	Visual
2	Diesel	↓			
3	Diesel	↓			

3. Tank Information Complete for each tank. If facility has more than 4 tanks, photocopy page and complete information for additional tanks.

	Tank 1	Tank 2	Tank 3	Tank 4
Tank presently in use (circle which tanks are in use)				
If not, date last used				
Single-walled or secondary containment?	SW	SW	SW	
Is there a valid operating permit?	N/A	N/A	N/A	
Is there a temporary or permanent closure permit?	—	—	—	
Material of construction of primary tank	FG	FG	FG	
Material of construction of secondary containment, if any	—	—	—	

9A. Release Detection For Tanks Check the release detection method(s) used for each tank or N/A if none required.

Manual tank gauging (tanks under 2,000 gal.)				
Tank tightness testing and manual inventory reconciliation				
Statistical Inventory Reconciliation (SIR)				
Automatic tank gauging	✓	✓	✓	
Vapor (V) or ground water (G) monitoring				
Continuous interstitial monitoring in annular space				
Other approved method				

9B. Release Detection For Piping Check the release detection method(s) used for piping.

Indicate Pressurized (P), Suction (S) Piping or Gravity Flow (G) for each tank	S	S	S	
Mechanical line leak detectors, and check one of the following:				
Electronic line leak detector				
Vapor (V) or ground water (G) monitoring				
Secondary containment with continuous interstitial sump monitoring				
Annual line tightness testing / Every three year	✓	✓	✓ - Needed	

I Chris Boykin (print name) certify that I have inspected the above named facility on 4-19-95 (month/day/year)

Inspector's Signature: Christine Boykin Date: 4-19-95

Automatic Tank Gauging

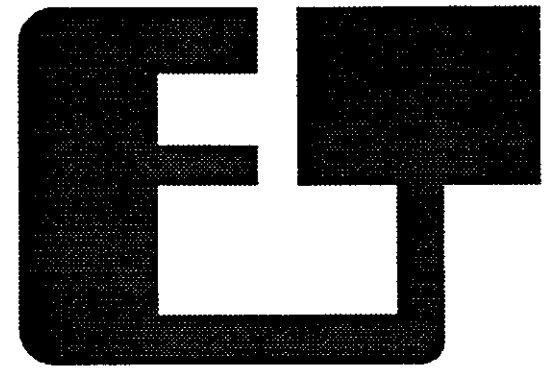
Manufacturer, name, and model number of system: Veeder-Root - TLS-250 Plus w/ 8473 . 1 magnetostrictive probe.

Please answer yes or no for each question

Is the automatic tank gauge (ATG) listed in LG-113 series?	Yes ☒	No ☐
Are operation and maintenance manuals from manufacturer available at site?	Yes ☒	No ☐
Can device measure height of product to nearest one-eighth of an inch?	Yes ☐	No ☐
Do ATG printouts show that water in bottom of tank is checked monthly to nearest one-eighth of an inch?	Yes ☒	No ☐
Is documentation available showing that the ATG was in the test mode a minimum of once a month?	Yes ☒	No ☐
Is a gauge present in each tank?	Yes ☐	No ☐
Is a monitoring control box present and is there evidence that the device is working (i.e., device is equipped with roll of paper for results documentation)?	Yes ☒	No ☐
Is there documentation that system was installed, calibrated, and maintained according to manufacturer's instructions?	Yes ☒	No ☐
Were maintenance records made available upon request? (Routine maintenance checks are required every 12 months.)	Yes ☒	No ☐
Are monthly testing records available for the past 36 months?	Yes ☒	No ☐
Does the ATG determine product level accurately? (A printout showing product level can be taken before and after some dispensing to check calibration of the equipment.)	Yes ☒ Test needed	No ☐
Are all calculated leak rates less than the equipment's threshold?	Yes ☐	No ☐
Does the tank's volume meet the criteria in LG-113 series?	Yes ☐	No ☒
Did the product capacities during the test periods meet the specifications listed in LG-113 series?	Yes ☐	No ☒
Did the waiting times between product delivery and beginning of test meet the specifications in LG-113 series?	Yes ☒	No ☐
Did the test times meet the data collection criteria in the LG-113 series?	Yes ☒	No ☐

Comments: Prior years are stored upstairs. Need to verify + record time of delivery on log

Inspector's Signature: _____ Date: _____



EXCELTECH

SOIL INVESTIGATION

AT

PROFICIENT FOODS
5675 SUNOL BOULEVARD
PLEASANTON, CALIFORNIA

Project No. 330008-31
June 1990

Northern California Regional Office 41674 Christy Street, Fremont, CA 94538-3114 (415) 659-0404 Fax: (415) 651-4677

EXCELTECH

June 29, 1990

Proficient Foods
5675 Sunol Boulevard
Pleasanton, California 94566

Attention: Mr. Wayne McClay

Subject: Vadose Well Installation
Proficient Foods, 5675 Sunol Boulevard, Pleasanton, California
Exceltech Project No. 330008-31

Dear Mr. McClay:

At the request of Proficient Foods, Exceltech, Inc., has prepared this letter report containing results of the vadose well installation carried out on May 29 and 30, 1990, at your facility at 5675 Sunol Boulevard in Pleasanton, Alameda County, California (Figure 1).

Field Investigation

Eight borings were drilled near the fuel tanks (Figure 2) with an Exceltech truck-mounted B-53 drill rig using 8-1/4" outside-diameter by 4-1/4" inside-diameter hollow stem continuous flight augers. The augers and other tools were steam-cleaned before drilling each boring to minimize the possibility of cross-contamination. In borings VW-1 and VW-1A, and in boring VW-4, the drill bit encountered an impenetrable concrete footing at the base of the fuel tanks. These borings were abandoned and sealed. Relatively undisturbed soil samples from the five completed borings were collected from the native soil underlying the tank backfill, approximately 15 feet below ground surface, using a modified California split-tube sampler with internal 2-inch-diameter by 6-inch-long brass liners. When a boring was advanced to the desired sample depth, the modified California sampler was lowered to the bottom of the hole. The sampler was driven 1-1/2 feet ahead of the auger with a 140-pound, rig-operated hammer, and was then removed and disassembled. During drilling and between sampling intervals, the sampler was scrubbed and washed with clean water. An Exceltech geologist logged the borings and characterized the sediments by the Unified Soil Classification System and Munsell Soil Color Charts. During drilling, the geologist also field-tested each sample and the cuttings from each borehole at intervals with an organic vapor meter (OVM) to determine the approximate concentrations of petroleum hydrocarbon gases in the subsurface sediments. The details of this analysis and of the subsurface materials and conditions encountered are presented on the boring logs in Appendix A.

After the sampler was retrieved from the borehole, the lowermost liner was preserved for laboratory analysis. Both ends of the brass liner containing the soil sample were covered with aluminum foil and plastic caps. The liner was then labeled with a unique sample number and pertinent sample information, placed in a plastic "Ziploc" bag, entered onto a chain-of-custody form, and packed in a chilled ice chest for delivery to the contract laboratory. All samples were taken to Sequoia Analytical, a state-certified analytical laboratory in Redwood City, California, and analyzed for the presence of total petroleum hydrocarbons as gasoline (TPHG) with benzene,

toluene, ethyl benzene, and total xylenes (BTEX) and for total petroleum hydrocarbons as diesel (TPHD) using methods approved by the California Regional Water Quality Control Board (CRWQCB) and the Environmental Protection Agency (EPA). All analytical results were reported in parts per million (ppm).

Vadose Well Construction

Exceltech converted exploratory borings VW-2, VW-3, VW-4A, VW-5, and VW-6 to vadose monitoring wells by installing 2-inch-diameter, Schedule 40 PVC blank and factory-slotted screen (0.020 inch) casing with flush-threaded couplings. No solvents or cements were used during construction. An Exceltech geologist determined the placement of the screened intervals in the field. The wells were installed to monitor gases from beneath the tanks and from the overlying backfill. After casings were installed, No. 2/12 sand was placed in the annular space between the casing and the walls of the borings to approximately 3 feet above the top of the screened interval. Approximately 1 foot of bentonite pellets were then placed upon the top of the sand and hydrated. A cement grout seal was placed in the annulus to within approximately 1 foot of the ground surface. To protect the PVC wellheads, PVC locking expansion caps and locks were installed in traffic-rated vault boxes. A concrete surface seal was then completed up to approximately 1/2 inch above existing grade. Appendix A contains construction details for each well.

Laboratory Analyses

Chemical analyses of the five soil samples revealed no TPHG in any of the wells. Low concentrations of xylenes were found in wells VW-2 (.038 ppm), VW-4A (.026 ppm), VW-6 (.010 ppm), and VW-3 (.010 ppm). Low concentrations of ethyl benzene were detected in samples VW-2 (.012 ppm) and VW-4A (.0051 ppm) and minor toluene was found in well VW-2 (.006 ppm). Levels of TPHD were discovered in samples VW-3 (1.3 ppm) and VW-5 (1.4 ppm). The chemical results are summarized in Table 1, and Sequoia's analytical report is in Appendix B. A copy of the chain-of-custody; Exceltech's laboratory and chain-of-custody procedures; and Exceltech's protocols for soil and ambient air sampling are also attached in Appendix B.

Discussion

- The relatively low levels of petroleum hydrocarbons suggest that product losses have only minimally affected the native subsurface soil.
- Groundwater was not encountered during the installation of the vadose monitoring wells.

Recommendation

- A system for continuous monitoring of the soil gases in these vadose wells should be installed to determine any changes with time in subsurface hydrocarbon levels. If no continuous monitoring system is installed in the vadose wells, Exceltech recommends quarterly monitoring of the wells.

Reporting Requirements

A copy of this report should be forwarded by Proficient Foods to the following agency in a timely manner.

Pleasanton Fire Department
P.O. Box 520
Pleasanton, CA 94566-0802
Attention: Mr. Rick Mueller

Limitations

The discussion and recommendations presented in this report are based on the following.

1. The exploratory test borings drilled at the site.
2. The observations by field personnel.
3. The results of laboratory analyses performed by a state-certified laboratory.
4. Our understanding of the regulations of the State of California, Alameda County, and the City of Pleasanton.

It is possible that variations in the soil or groundwater conditions could exist beyond the points explored in this investigation. Also, changes in the groundwater conditions could occur at some time in the future because of variations in rainfall, temperature, regional water usage, or other factors.

The service performed by Exceltech has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the Pleasanton area. Please note that contamination of soil and groundwater must be reported to the appropriate agencies in a timely manner. No other warranty, expressed or implied, is made.

Exceltech includes in this report chemical analytical data from a state-certified laboratory. The analytical results are performed according to procedures suggested by the U.S. EPA and State of California. Exceltech is not responsible for laboratory errors in procedure or result reporting.

This completes Exceltech's authorized work on this project to date. If you have any questions, please call.

Sincerely,
Exceltech, Inc.

Charles D. Conway, R.G. 4530
Project Geologist

Neil H. Zickefoose, C.E.G. 398
Senior Program Geologist

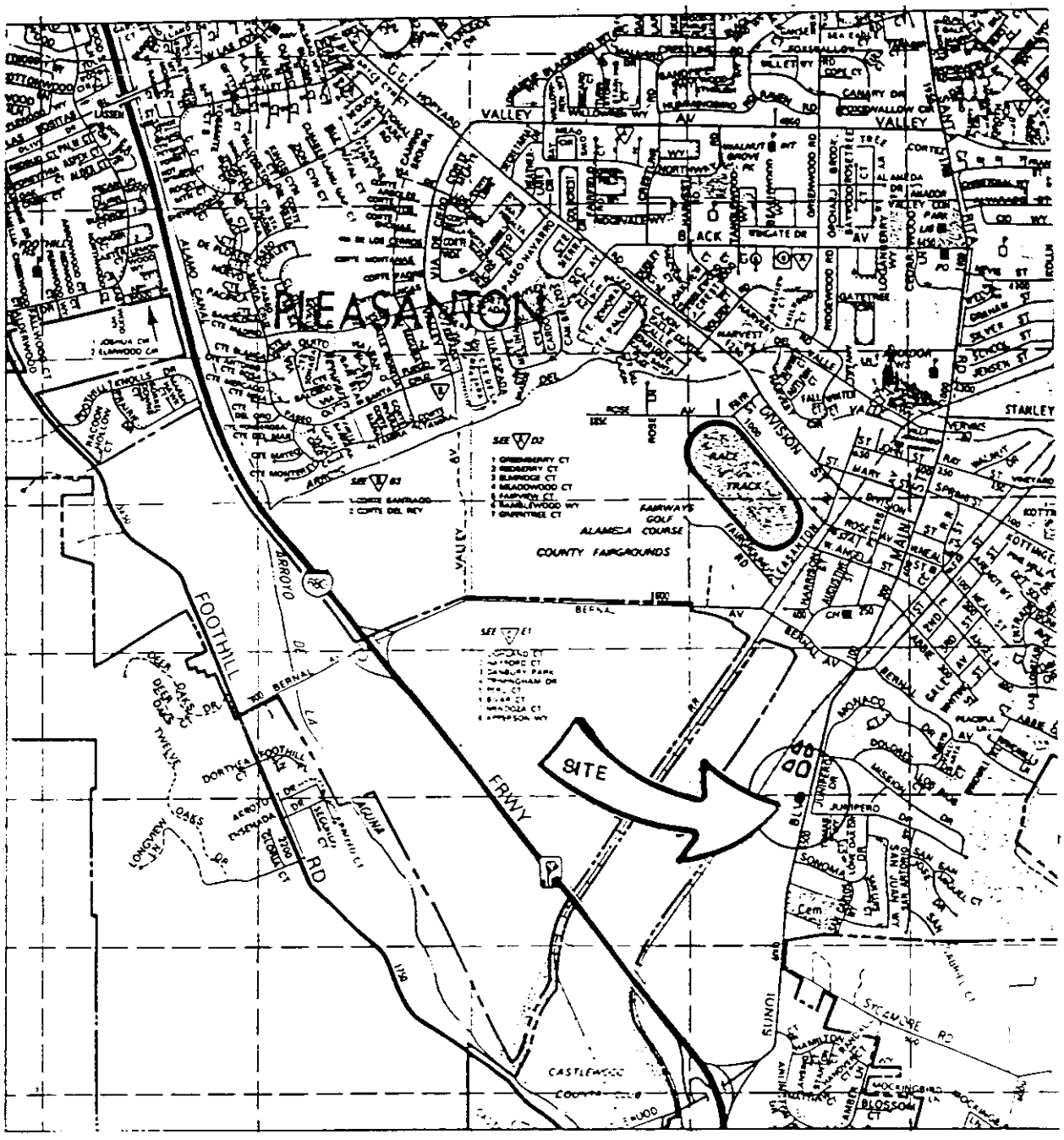
CDC/NHZ/sw
Attachment

TABLE 1
SUMMARY OF SOIL ANALYSES DATA

Sample Number	Sample Depth (ft.)	TPHD (ppm)	TPHG (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl Benzene (ppm)	Xylenes (ppm)
VW-2	15	ND	ND	ND	0.006	.012	0.038
VW-3	15	1.3	ND	ND	ND	ND	.010
VW-4A	15	ND	ND	ND	ND	0.0051	.026
VW-5	15	1.4	ND	ND	ND	ND	ND
VW-6	15	ND	ND	ND	ND	ND	.010

ND	Not detected at or above the laboratory detection limits
ppm	Parts per million
TPHD	Total petroleum hydrocarbons as diesel
TPHG	Total petroleum hydrocarbons as gasoline
f t	Feet below ground surface

For detection limits, refer to laboratory reports.



EXCELTECH

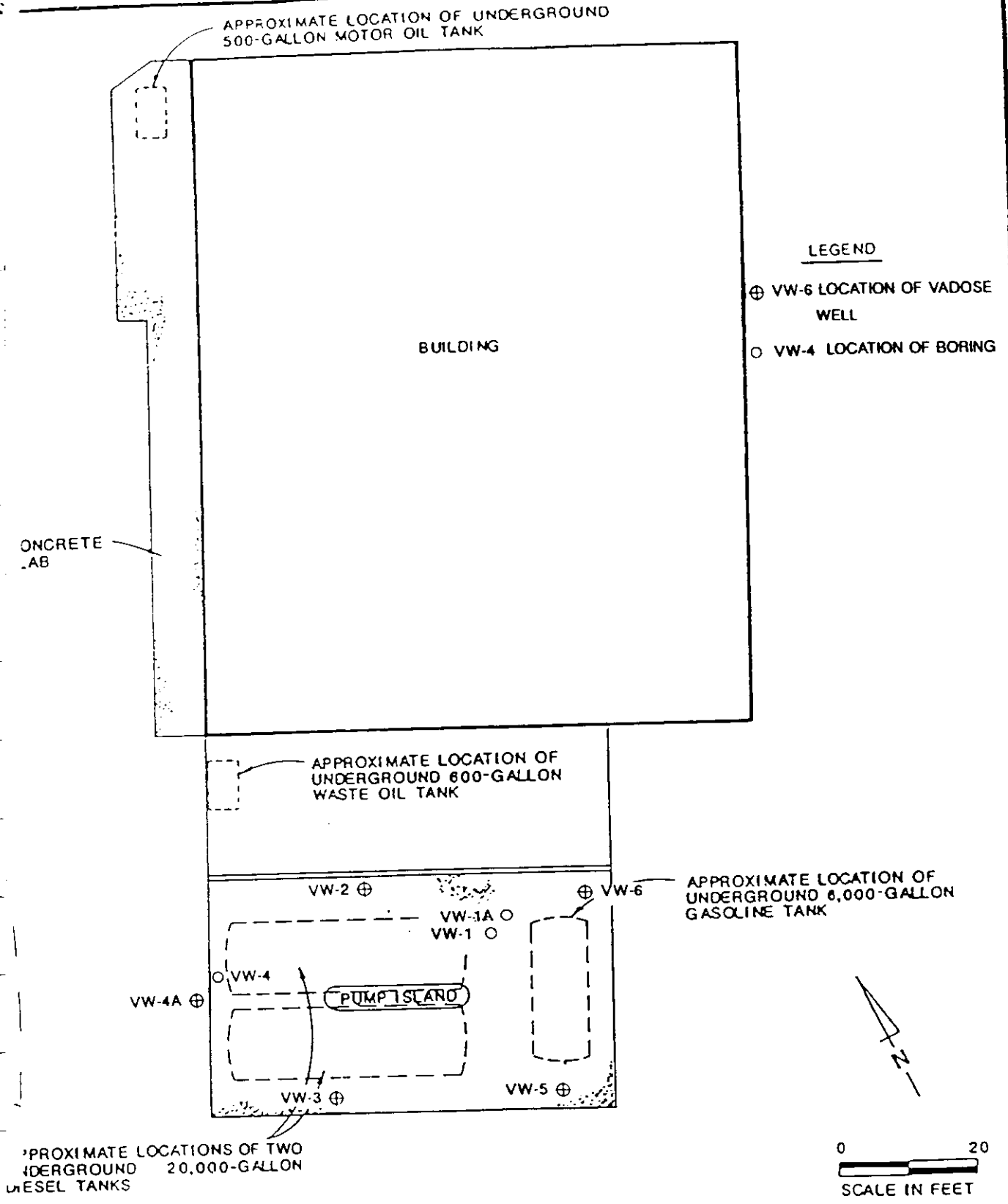
SITE LOCATION MAP

PROFICIENT FOOD COMPANY

5675 SUNOL BLVD.

PLEASANTON, CALIFORNIA

FILE VIEWED BY	APPROVED BY
CDC	
JOB #: 330008-31	DRAWN BY CDC
DATE: 6/22/90	DRAWING # FIG. 1



EXCELTECH

SITE PLAN

PROFICIENT FOOD COMPANY

5675 SUNOL BLVD.

PLEASANTON, CALIFORNIA

REVIEWED BY:	APPROVED BY
CDC	TLH
JOB # 330008-31	DRAWN BY J.C.
DATE: 6/22/90	DRAWING # FIG. 2

APPENDIX A

BORING LOGS
WELL CONSTRUCTION DETAILS

STANDARD SYMBOLS

EXCELTECH

Legend

No Soil Recovery

Soil Sample Location

first Encountered Ground Water Level

Piezometric Ground Water Level

Disturbed or Bag Soil Sample

2.5YR 6/2 Soil Color according to Munsell Soil Color Charts. (1975 Edition)

Penetration Sample drive hammer weight - 140 pounds falling 30 inches. Blows required to drive sampler 1 foot are indicated on the logs.

UNIFIED SOIL CLASSIFICATION SYSTEM

Compiled by B. W. Pipkin, Univ. of Southern Calif.

MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES
COARSE-GRAINED SOILS More than half of material is larger than no. 200 sieve size	GRAVELS More than half of coarse fraction is larger than no. 4 sieve size	Clean Gravels	GW	Well-graded gravels, gravel-sand mixtures, little or no fines
			GP	Poorly graded gravels, gravel-sand mixture, little or no fines
		Gravels with Fines	GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	SANDS More than half of coarse fraction is smaller than no. 4 sieve size	Clean Sands	SW	Well-graded sands, gravelly sand, little or no fines
			SP	Poorly graded sands, gravelly sands, little or no fines
		Sands with Fines	SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, sand-clay mixtures
FINE-GRAINED SOILS More than half of material is smaller than no. 200 sieve size	SILTS AND CLAYS	Low Liquid Limit	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts, with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silty clays of low plasticity
		High Liquid Limit	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
			CH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity, organic silts
Highly Organic Soils			Pt	Peat and other highly organic soils

NOTES:

1. Boundary Classification: Soils possessing characteristics of two groups are designated by combinations of group symbols. For example, GW-GC, well-graded gravel-sand mixture with clay binder.
2. All sieve sizes on this chart are U.S. Standard.
3. The terms "silt" and "clay" are used respectively to distinguish materials exhibiting lower plasticity from those with higher plasticity.

4. For a complete description of the Unified Soil Classification System, see "Technical Memorandum No. 3-357," prepared for Office, Chief of Engineers, by Waterways Equipment Station, Vicksburg Mississippi, March 1953. (See also Data Sheet 17.)

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Proficient Foods

BORING NO. VW-1

DATE DRILLED: 5-29-90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
1				Concrete		
2			G W	GRAVEL, olive brown (2.5Y 4/4), gravel 90-95%, medium sand 5-10%, very loose, average gravel size 3/8"-1/2"		0.3
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14				Hit concrete at 15'; driller attempted to drill through concrete, but augers advanced only 2' and stopped; abandoned boring; no sample taken; boring sealed.		
15						
16				Bottom of Boring = 15 feet		
17						
18						
19						
20						
21						

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Proficient Foods

BORING NO. VW-1A

DATE DRILLED: 5-29-90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
				Concrete		
1			S W	SAND, grayish brown (2.5Y 5/2); coarse sand 75-85%, medium sand 15-25%, damp		0.0
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14				Hit concrete at 15'; driller attempted to drill through concrete but augers advanced only 2' and stoppped; abandoned boring; no sample taken; boring sealed		0.0
15						
16				Bottom of Boring = 15.feet		
17						
18						
19						
20						
21						

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Proficient Foods

BORING NO. VW-2

DATE DRILLED: 5/29/90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
0				Concrete		
1			G W	GRAVEL, olive brown (2.5Y 4/4), gravel 75-80%, medium sand 20-25%, very loose, average gravel size 3/8"-1/2"		
2						
3						
4						0.0
5						
6						
7						
8				Small pieces of fiberglass encountered at approximately 8'		
9						0.3
10						
11						
12						
13				GRAVELLY CLAY, very dark grayish brown (2.5Y 3/2), moderately plastic clay 75-80%, fine gravel 15-20%, average gravel size 3/8"-1/2"		
14						0.3
15						
16	VW-2S-1	11		SILTY SAND, olive brown (2.5Y 4/4), damp, loose, sand 75-80%, silt 10-15%, minor weathered gravels 5-15%, maximum gravel size 1 1/4", average gravel size 3/8"		
17						
18						
19				Bottom of Boring = 15 feet		
20						
21						

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Proficient Foods

BORING NO. VW-3

DATE DRILLED: 5/30/90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
				Concrete		
1			GW-SW	GRAVEL to SAND, light yellowish brown (2.5Y 6/4), gravel 65-75%, medium to coarse sand 25-35%, maximum gravel size 3/4", average size 3/16" - 1/4"		0.3
2						
3						
4						0.3
5						
6						
7						
8						
9				Clayey with depth		
10						
11						
12			GC	CLAYEY GRAVEL, probable backfill, grayish brown (2.5Y 5/4), clay 30-40%, gravel and coarse 60-70%, clay moderate to high plasticity; average grain size of coarsest fraction 3/16"- 1/4"		
13						
14						0.3
15			ML	SANDY SILT, very dark grayish brown (2.5Y 3/2), silt 80-85%, fine sand 5-10%, minor clay 5-15%, relatively loose, moist		
16	VW-3,S-1	10	CL-CH	CLAY, very dark gray (2.5Y N3/0), clay 95-100%, moist, moderate to high plasticity, minor fine gravels not more than 5%		
17						
18						
19				Bottom of Boring = 15 feet		
20						
21						

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Profcient Fooods

BORING NO. VW-4A

DATE DRILLED: 5/29/90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
				Asphalt		
1–2			S W	SAND, dark grayish brown (2.5Y 4/2), coarse sands to fine gravels 100%		0.0
3–6						
7				Moister with depth		0.0
8–10						
11–12			SC - GC	SANDY to GRAVELLY CLAY, dark grayish brown (2.5Y 4/2), moist, very sticky, clay 60-70%, coarse sand to fine gravel 30-40%		
13–15			C L	CLAY, dark yellowish brown (10YR 3/4), moderate plasticity, moist, clay 75-85%, silt to fine sand 10-20%, fine gravels not more than 5%		
16	VW4A-S1					
17–21				Bottom of Boring = 15 feet		

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Proficient Foods

BORING NO. VW-4

DATE DRILLED: 5/29/90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
				Concrete		
1			S W	SAND, grayish brown (2.5Y 5/2), coarse sand 60-70%, medium sand 10-20%, rounded gravels 10-20%, maximum gravel size 1-1/4"		0.0
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13				Hit concrete at 15'; driller attempted to drill through concrete, but augers advanced only 2' and stopped. Abandoned boring; no sample taken; boring sealed.		
14						
15						
16				Bottom of Boring = 15 feet		
17						
18						
19						
20						
21						

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Profcient Foods

BORING NO. VW-5

DATE DRILLED: 5/30/90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
				Concrete		
1–4			S W	SAND, dark grayish brown (2.5Y 4/2), well-graded sand 75-80%, fine gravel 5-10; clay 10-20%, relatively loose, damp		0.0
5				More clayey with depth		0.0
6–8			G W	CLAYEY GRAVEL, dark grayish brown (2.5 Y 4/2), moderately plastic clay 20-30%, fine gravel 40-60%, relatively loose, damp, becoming more clayey with depth		1.9
9–10			G C	CLAYEY GRAVEL, dark grayish brown (2.5Y 4/2), moderate to low plasticity, clay 70-75%, gravel 10-15%, fine sand to silt 10-20%, damp		0.3
11–14			C L	SANDY CLAY, dark gray (2.5Y N4/0), moderate plasticity, sticky and cohesive clay 75-85%, medium to fine sand 15-25%, slightly moist		0.0
15			CL-CH	CLAY, dark yellowish brown (10YR 4/4) cohesive, moderate to high plasticity, moist		
16	VW-5,S-1	8	C L	SANDY CLAY, dark yellowish brown (10YR 4/4), low plasticity clay 70-80%, medium to fine sand 20-30%, moist, not sticky or cohesive		0.0
17–21				Bottom of Boring = 15 feet		

REVIEWED BY R.G./C.E.G.

EXPLORATORY BORING LOG

EXCELTECH

PROJECT NAME: Proficient Foods

BORING NO. VW-6

DATE DRILLED: 5/29/90

PROJECT NUMBER: 330008-31

LOGGED BY: C.C.

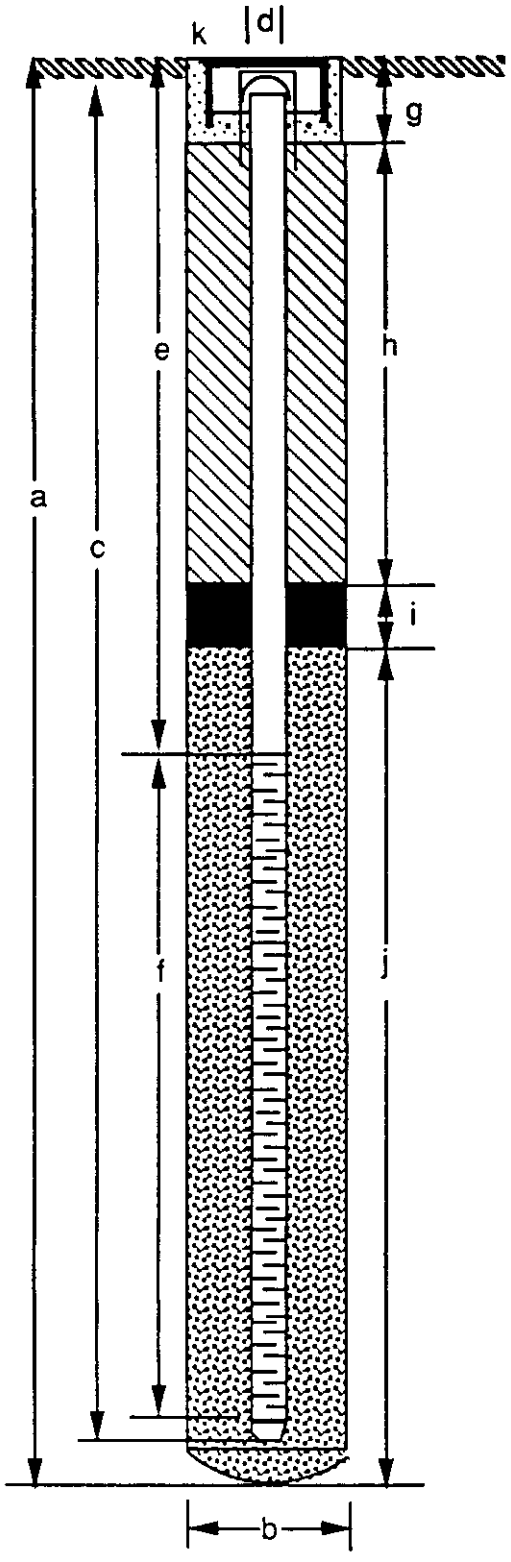
DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	WATER LEVEL	OVM READING ppm
0				Concrete		
1			GC	CLAYEY GRAVEL, very dark grayish brown (2.5Y 3/2), coarse sand to fine gravel 60-70%, clay 30-40%, moderate to high plasticity		0.0
2						
3			GC	CLAYEY GRAVEL, very dark grayish brown (2.5Y 3/2), coarse sand to fine gravel 70-80%, clay 20-30%, moderate to high plasticity		0.0
4						0.0
5						
6						
7						
8						
9						
10			GC	CLAYEY GRAVEL, dark yellowish brown (10YR 3/4), coarse sand to fine gravel 70-80%, clay 20-30%, moderate to high plasticity, damp to slightly moist		
11						
12						0.0
13						
14						
15			ML-CL	SILTY CLAY, dark yellowish brown (10YR 3/4), moist, silt 55-60%, clay 30-35%, rounded gravels and coarse sands 5-15%, maximum gravel size 1", average gravel size 3/16"		
16	VW-6,S-1	10				0.0
17				Bottom of Boring = 15 feet		
18						
19						
20						
21						

REVIEWED BY R.G./C.E.G.

Monitoring Well Detail

PROJECT NUMBER 330008-31
PROJECT NAME Proficient Foods
COUNTY Alameda
WELL PERMIT NO. N A

BORING / WELL NO. VW-2
TOP OF CASING ELEV. N A
GROUND SURFACE ELEV. N A
DATUM N A



EXPLORATORY BORING

a. Total depth 15 ft.
b. Diameter 12 in.
Drilling method Hollow Stem Augers

WELL CONSTRUCTION

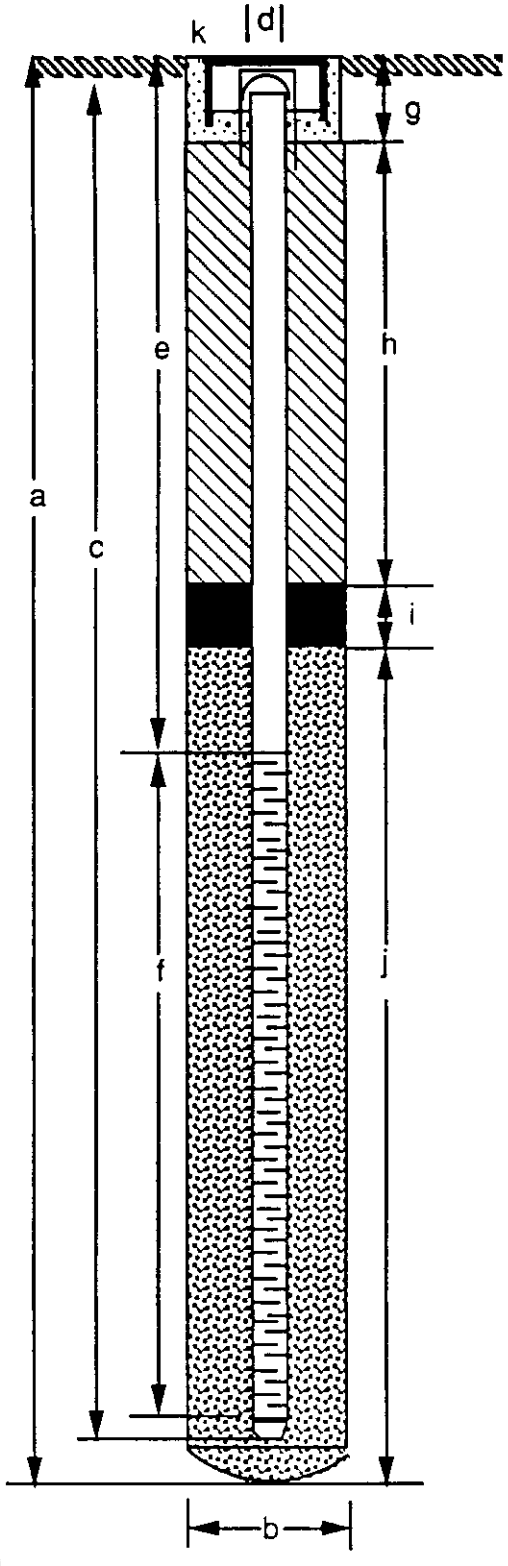
c. Casing length 14 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 9 ft.
f. Perforated length 5 ft.
Perforated interval from 14 to 9 ft.
Perforation type Machine Slot
Perforation size .020 in.
g. Surface seal 1 ft.
Seal material Concrete
h. Backfill 4 ft.
Backfill material Neat Cement Grout
i. Seal 1 ft.
Seal material Hydrated Bentonite Pellets
j. Gravel pack 9 ft.
Pack material #2/12 Lonestar Sand
k.

EXCELTECH

Monitoring Well Detail

PROJECT NUMBER 330008-31
PROJECT NAME Proficient Foods
COUNTY Alameda
WELL PERMIT NO. N A

BORING / WELL NO. VW-3
TOP OF CASING ELEV. N A
GROUND SURFACE ELEV. N A
DATUM N A



EXPLORATORY BORING

a. Total depth 15 ft.
b. Diameter 12 in.
Drilling method Hollow Stem Augers

WELL CONSTRUCTION

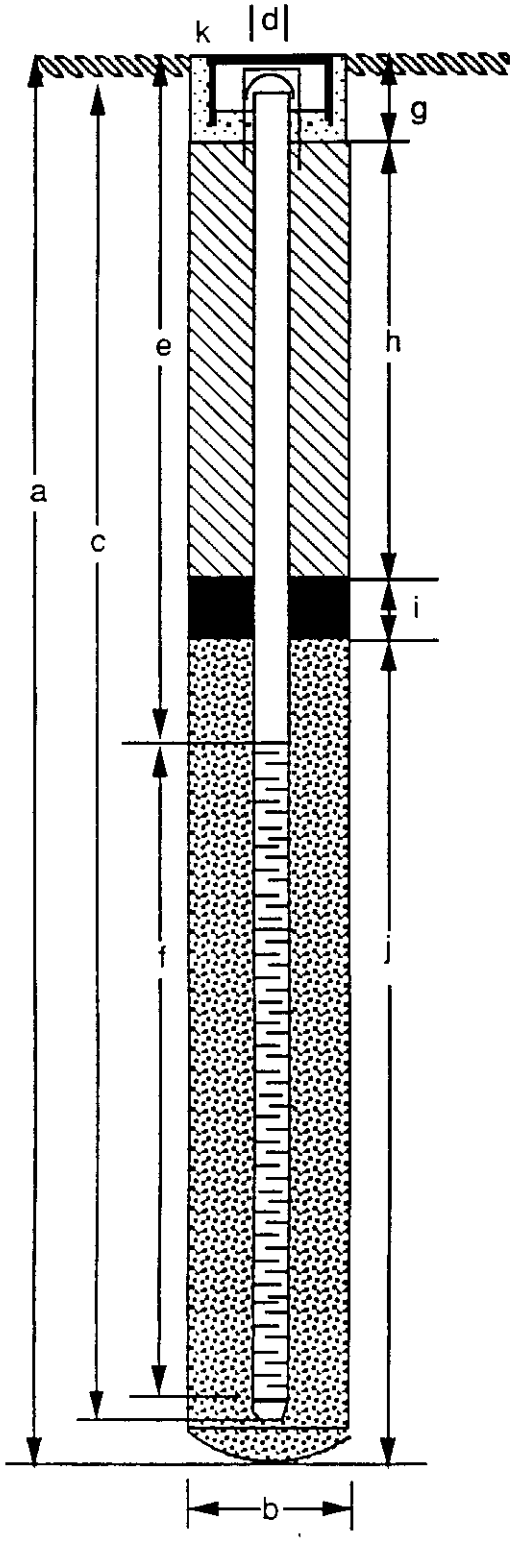
c. Casing length 14 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 9 ft.
f. Perforated length 5 ft.
Perforated interval from 14 to 9 ft.
Perforation type Machine Slot
Perforation size .020 in.
g. Surface seal 1 ft.
Seal material Concrete
h. Backfill 4 ft.
Backfill material Neat Cement Grout
i. Seal 1 ft.
Seal material Concrete
j. Gravel pack 9 ft.
Pack material #2/12/ Lonestar Sand

EXCELTECH

Monitoring Well Detail

PROJECT NUMBER 330008-31
PROJECT NAME Proficient Foods
COUNTY Alameda
WELL PERMIT NO. N A

BORING / WELL NO. VW-4A
TOP OF CASING ELEV. N A
GROUND SURFACE ELEV. N A
DATUM N A



EXPLORATORY BORING

a. Total depth 15 ft.
b. Diameter 12 in.
Drilling method Hollow Stem Augers

WELL CONSTRUCTION

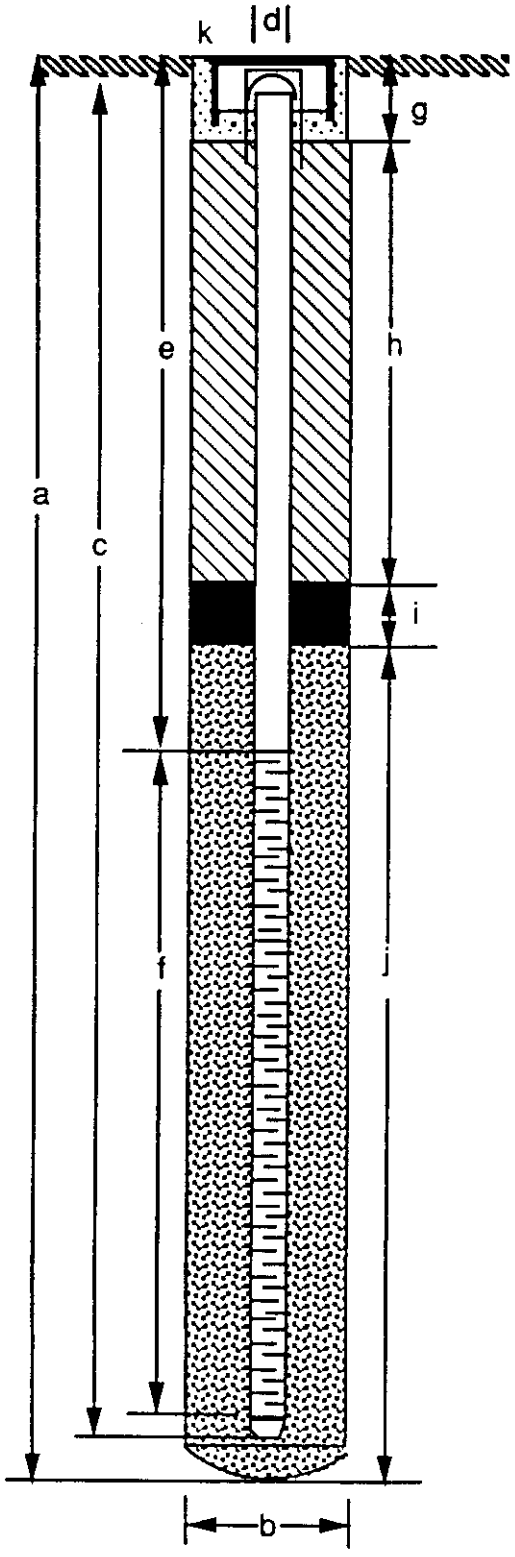
c. Casing length 15 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 10 ft.
f. Perforated length 5 ft.
Perforated interval from 15 to 10 ft.
Perforation type Machine Slot
Perforation size .020 in.
g. Surface seal 1 ft.
Seal material Concrete
h. Backfill 5 ft.
Backfill material Neat Cement Grout
i. Seal 1 ft.
Seal material Hydrated Bentonite Pellets
j. Gravel pack 8 ft.
Pack material # 2/12/ Lonestar Sand

EXCELTECH

Monitoring Well Detail

PROJECT NUMBER 330008-31
PROJECT NAME Proficient Foods
COUNTY Alameda
WELL PERMIT NO. N A

BORING / WELL NO. VW-5
TOP OF CASING ELEV. N A
GROUND SURFACE ELEV. N A
DATUM N A



EXPLORATORY BORING

a. Total depth 15 ft.
b. Diameter 12 in.
Drilling method Hollow Stem Augers

WELL CONSTRUCTION

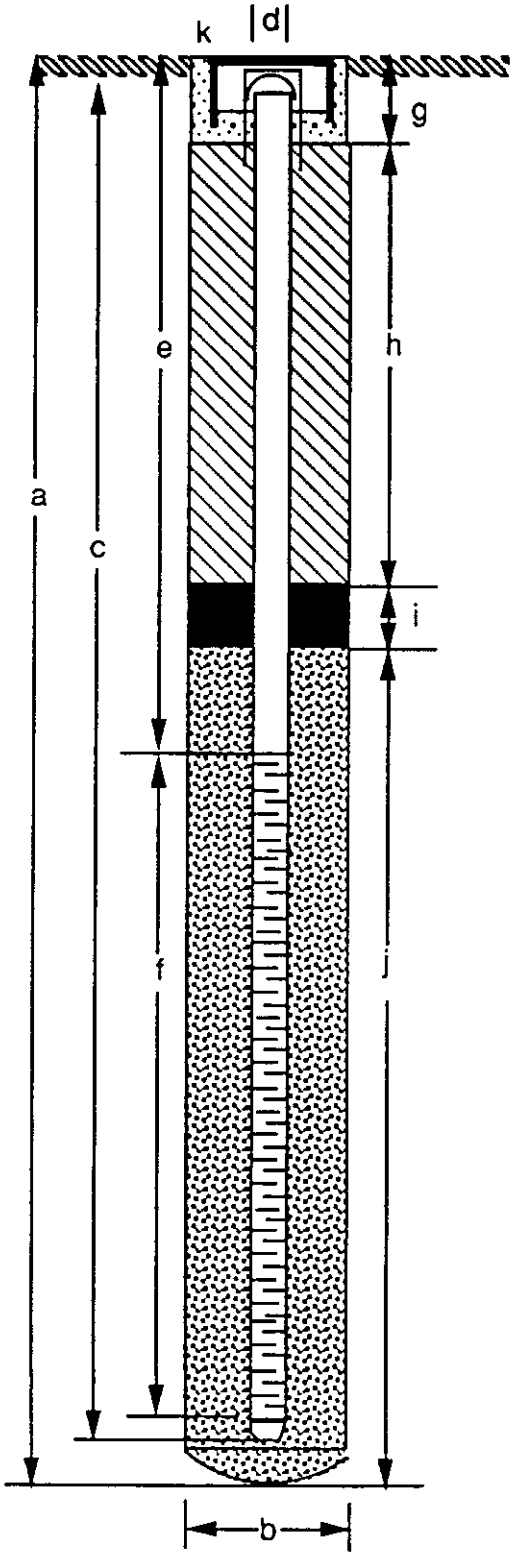
c. Casing length 14 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 9 ft.
f. Perforated length 5 ft.
Perforated interval from 14 to 9 ft.
Perforation type Machine Slot
Perforation size .020 in.
g. Surface seal 1 ft.
Seal material Concrete
h. Backfill 4 ft.
Backfill material Neat Cement Grout
i. Seal 1 ft.
Seal material Concrete
j. Gravel pack 9 ft.
Pack material #2/12 Lonestar Sand

EXCELTECH

Monitoring Well Detail

PROJECT NUMBER 330008-31
PROJECT NAME Proficient Foods
COUNTY Alameda
WELL PERMIT NO. N A

BORING / WELL NO. VW-6
TOP OF CASING ELEV. N A
GROUND SURFACE ELEV. N A
DATUM N A



EXPLORATORY BORING

a. Total depth 15 ft.
b. Diameter 2 in.
Drilling method Hollow Stem Augers

WELL CONSTRUCTION

c. Casing length 14 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 9 ft.
f. Perforated length 5 ft.
Perforated interval from 14 to 9 ft.
Perforation type Machine Slot
Perforation size .020 in.
g. Surface seal 1 ft.
Seal material Concrete
h. Backfill 4 ft.
Backfill material Neat Cement Grout
i. Seal 1 ft.
Seal material Concrete
j. Gravel pack 9 ft.
Pack material #2/12 Lonestar Sand

EXCELTECH

APPENDIX B

ANALYTICAL RESULTS
CHAIN-OF-CUSTODY
SAMPLING AND LABORATORY PROTOCOLS

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Exceltech
41674 Christy Street
Fremont, CA 94538
Attention: Charles Conway

Client Project ID: 330008-31/Proficient Foods
Matrix Descript: Soil
Analysis Method: EPA 5030/8015/8020
First Sample #: 005-4816

Sampled: May 30, 1990
Received: May 31, 1990
Analyzed: Jun 13, 1990
Reported: Jun 14, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
005-4816	VW2	N.D.	N.D.	0.0060	0.012	0.038
005-4817	VW4A	N.D.	N.D.	N.D.	0.0051	0.026
005-4818	VW6	N.D.	N.D.	N.D.	N.D.	0.010
005-4819	VW3	N.D.	N.D.	N.D.	N.D.	0.010
005-4820	VW5	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limits:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.0050**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

Please Note:
P.O.#330008-31-002

54816.ENS <1>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

:celtech	Client Project ID:	330008-31/Proficient Foods	Sampled: May 30, 1990
674 Christy Street	Matrix Descript:	Soil	Received: May 31, 1990
Fremont, CA 94538	Analysis Method:	EPA 3550/8015	Extracted: Jun 6, 1990
Attention: Charles Conway	First Sample #:	005-4816	Analyzed: Jun 13, 1990
			Reported: Jun 14, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
005-4816	VW2	N.D.
005-4817	VW4A	N.D.
005-4818	VW6	N.D.
005-4819	VW3	1.3
005-4820	VW5	1.4

Detection Limits:	1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

54816.ENS <2>

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
330008-31	Proficient Foods

SAMPLERS (Signature): Charles D. Conway

P.O. #: 330008-31-002
LAB: Sequoia
TURN AROUND TIME: Normal

NO.	DATE	TIME	STATION AND LOCATION	TPH/gas BTEX	TPHD						REMARKS
VW2,S1	5-29-90	10:40	north of a row of ... middle diesel tank complex	✓	✓						
VW4A,S1	5-29-90	13:15	west end of diesel tank complex	✓	✓						
VW6,S1	5-29-90	15:06	north end of gasoline tank	✓	✓						
VW3,S1	5-30-90	08:30	south of a row ... middle diesel tank complex	✓	✓						
VW5,S1	5-30-90	09:30	south end of gasoline tank	✓	✓						

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Charles D. Conway	5-31-90	8:55	[illegible signature]				
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

REMARKS:

REPORT TO: Charles Conway

FORM DATED 5-30-89

ensco environmental services, Inc.
41674 Christy Street
Fremont, C.A. 94538-3114
(415) 659-0404
Fax (415) 651-4077
Conv. Lic. No. 550205

EXCELTECH

Soil Sampling Protocol

SOIL SAMPLING PROTOCOL

I. SOIL SAMPLING BY DRILLING RIG

1) Review site proposal for boring locations and special instructions. Confirm boring locations in field with client. Have Underground Service Alert (USA) mark utilities in area prior to drilling.

2) Prior to initiating an exploratory boring, all equipment to be used during drilling and sampling operation is steam cleaned. Such equipment includes, but is not limited to, augers, bits, drilling rod, samplers, and brass sampler liners. Additionally, between sampling intervals, the sampler is thoroughly cleaned with a dilute trisodium phosphate solution and rinsed with clean tap water or distilled water.

3) Each exploratory boring is drilled with a truck-mounted drilling rig using either solid flight or hollow stem augers. The boring is advanced to the desired sampling depth and the sampler is lowered to the bottom of the hole. The sampler is driven a maximum of 18 inches into the undisturbed soils ahead of the auger by a 140-pound, rig-operated hammer falling 30 inches. The number of blows required to drive the sampler the final 12 inches is recorded on the boring log. When necessary, the sampler may be pushed by the drill rig hydraulics. In this case, the pressure exerted (in pounds per square inch) is recorded. After the sampler has penetrated the full depth, it is retrieved to the surface.

4) The samplers commonly used are either a California modified sampler (3 inch or 2.5 inch O.D.) or a standard penetrometer (2 inch O.D.). The standard penetrometer does not contain sample liners and is used to determine soil strength characteristics and visually characterize the subsurface materials. If samples are collected for laboratory analysis the California modified sampler, equipped with brass liners, is used except when the analysis will include copper or zinc. In this instance, the sample should be taken with the standard penetrometer and placed in a labeled plastic bag.

   Upon retrieval, the sampler is disassembled into its component parts. One or more of the liners is selected for chemical analysis. The ends of the selected liner(s) are sealed with aluminum foil or teflon tape, capped with plastic caps,

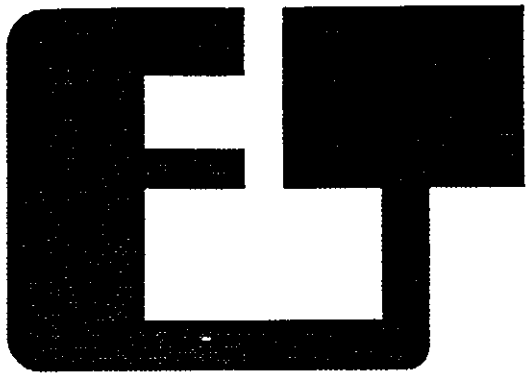
labeled, logged on chain-of-custody forms and stored in a chilled ice chest for preservation in the field and during transport to the analytical laboratory. All labels are pre-written with indelible ink to minimize handling time.

5) Samples are checked for the presence of contamination in the field by the geologist. Any discoloration or odor is noted on the boring log. Each sample is classified in the field by a geologist using the Unified Soil Classification System and a Munsell soil color chart. In addition, samples may also be field-screened with a photo ionization detector (calibrated daily) or threshold limit value sniffer. In either case, the instrument probe is held adjacent to freshly crumbled soil and the stabilized reading value is recorded on the log. Other visual screening techniques include examination of the sample under hand-lens magnification as-well-as floating sheen inspection resulting from immersion in water.

6) Samples are held in the possession of Exceltech personnel until transferred to the analytical laboratory. Transfer to the laboratory is accomplished with either delivery by Exceltech personnel, pick-up by laboratory personnel, or transfer by a personal delivery service. Each transfer of responsibility is recorded on a chain-of-custody log that accompanies the sample.

II. SOIL SAMPLING BY HAND

1) Some situations require that samples be collected by hand without the assistance of a drill rig (e.g., soil stock piles, excavation sidewall sampling, etc.). When possible, soil samples will be collected using a steel core sampler equipped with clean brass liners which is advanced into the soil with a slide hammer. In other cases, the outer surface of the soil is removed and a brass liner is driven into the soil by hand or with a hammer. To avoid damaging the liner, a block of wood is held next to the liner so that the hammer strikes the block rather than the liner. The liner is removed and handled as described above. In deep excavations where safety factors preclude the direct sampling of the bottom or side wall, soil is retrieved by a backhoe bucket and this soil is sampled.



EXCELTECH

Chain-of-Custody Program

Chain-of-Custody Program

By means of proper chain-of-custody documentation, the possession and handling of samples should be traceable from the time of collection through analysis. Any gaps in the chain-of-custody records may result in the analytical results for those samples being invalidated.

The chain-of-custody form must not be destroyed or thrown away, even if it is illegible or must be replaced because it contains errors. Any corrections made on the document must be initialed and dated. Errors on the form should be crossed out with a simple line so that the writing is still legible. No "white-out" may be used to cover mistakes. Copies of the chain-of-custody form must be made before it is transported to the laboratory so that a partial record is maintained.

The chain-of-custody form must contain the following information:

1. Project name and location.
2. Signature of collector.
3. Date and time of collection.
4. Sample identification numbers.
5. Number of containers in sample set.
6. Description of samples and containers.
7. Names (printed) and signatures of persons who assume custody of the samples and the companies or agencies they represent.
8. Inclusive dates and times of possession.
9. Requested analysis for each sample.

Custody of Samples and Sample Security

A sample is considered to be in the custody of a person if it is (1) in his or her physical possession, (2) in his or her view, or (3) secured by that person in an area restricted to authorized personnel.

Transfer of Custody

Each transfer of sample custody requires the following:

1. The name (printed) and signature of the transferee and the new custodian.
2. The name and the company or agency that each signatory represents.
3. The date and time of transfer.

The field sampler is responsible for the samples until he or she delivers them to a laboratory or transfers them to an assigned custodian at Exceltech. If the custodian is not available when the field samples arrive at Exceltech, the samples should be locked in the secure storage area. The field sampler should locate the custodian as soon as possible and properly transfer the samples.

Security of the sample storage area must be maintained at all times. The custodian must ensure that the samples are stored in a locked, refrigerated storage compartment which is secure from tampering. When a laboratory courier arrives (at the front desk only) the custodian must escort him to the locked sample storage area. The custodian will then remove the samples from the storage cabinet and properly transfer them to the courier. Two more signatures are required on the chain-of-custody form at that time. A photocopy of the form should be made then and placed in the job file. The original chain-of-custody document will accompany the samples to the laboratory. When the courier transfers custody of the samples to the laboratory, two more signatures must be added to the form.

The completed chain-of-custody document should be returned to Exceltech by the laboratory and placed in the main job file.

EXCELTECH

Vadose or Ambient Air Monitoring Protocol

VADOSE OR AMBIENT AIR MONITORING

Field check of vadose monitoring wells or ambient air is performed by Exceltech technicians. Monitoring procedures are as follows:

1. Remove well cap to aerate the well for approximately five (5) minutes (well purge process).

2. Allow sufficient warm-up time for stabilization of the vapor meter.

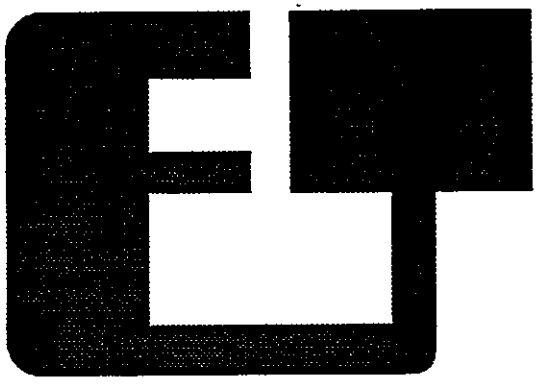
3. Calibrate vapor monitoring meter.

4. Lower probe into the well (to screen interval) or place at monitoring point, as applicable.

5. Record reading.

6. Cap well.

Current "standard" protocols do not exist for vapor monitoring, protocols will be amended as required.



EXCELTECH

Laboratory Procedures

LABORATORY PROCEDURES

Selection of the Laboratory

The laboratories selected to perform the analytical work are certified by the California State Department of Health Services as being qualified to perform the selected analyses. The selected laboratories are reviewed by Exceltech, Inc. to ensure that they are certified by the State of California and maintain an adequate quality control program

Chain-of-Custody Control

The following procedures are used during sampling and analytical activities to provide chain-of-custody control during transfer of samples from collection through delivery to the laboratories. Record keeping activities used to achieve chain-of-custody control are:

- Contact made by sampling organization with facility supervisor and laboratory prior to sampling to alert them of dates of sampling and sample delivery.
- Well location map with well identification number(s) prominently displayed.
- Field log book for documenting sampling activities in the field.
- Labels for identifying individual samples.
- Chain-of-custody record for documenting transfer and possession of samples.
- Laboratory analysis request sheet for documenting analyses to be performed.

Field Filtration of Samples

Samplers will refrain from filtering TOC, TOX or other organic compound samples as the increased handling required may result in the loss of chemical constituents of interest. Allowing the samples to settle prior to analysis followed by decanting the sample is preferable to filtration of these substances. If filtration is necessary for the determination of extractable organic compounds, the filtration should be performed in the laboratory. It may be necessary to run parallel sets of filtered and unfiltered samples with standards to establish the recovery of hydrophobic compounds when sample must be filtered. All the materials'

precautions used in the construction of the sampling train should be observed for filtration apparatus. Vacuum filtration of groundwater samples is not recommended.

Water samples for dissolved inorganic chemical constituents (e.g., metals, alkalinity and anionic species) will be filtered in the field.

Sample Containers

Sample containers vary with each type of analytical parameter. Selected container types and materials are non-reactive with the sample and the particular analytical parameter being tested. Appropriate containers for volatile organics are glass bottles of at least 40 milliliters in size fitted with teflon-faced silicon septa. Sample containers are properly cleaned and sterilized by the certified laboratory according to the EPA protocol for the individual analysis.

Sample Preservation and Shipment

Various preservatives are used by the certified laboratory to retard changes in samples. Sample shipment from Exceltech to laboratories performing the selected analyses routinely occurs within 24 hours of sample collection.

Analytical Procedures

The analysis of groundwater samples is conducted in accordance with accepted quantitative analytical procedures. The following four publications are considered the primary references for groundwater sample analysis, and the contracts with the laboratories analyzing the samples stipulate that the methods set out in these publications be used. Please note that procedures used are periodically updated by federal and state agencies, and the certified laboratories amend analysis as required by the update.

- Standard Methods for the Examination of Water and Wastewater, 16th Ed., American Public Health Association, et al., 1985.
- Methods for Chemical Analysis of Water and Wastes, U.S. EPA, 600/4-79-020, March 1979.
- Test Methods for Evaluation of Solid Waste: Physical/Chemical Methods, U.S. EPA SW-846, 1982.
- Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, EPA, 600/4-82-057, 1982.

APPENDIX F

HAZARDOUS MATERIALS BUSINESS PLAN

Cover and Certification Form

A

Long Form
Hazardous Materials Business Plan

Copy

Proficient Food Co.
Facility Name

5675 Sunol Blvd
Facility Address

Pleasanton CA.
Facility City

Certification

I hereby certify, under penalty of perjury, that the information contained in this Hazardous Materials Business Plan is, to the best of my knowledge, true and correct. I understand that I may be required to show proof of compliance during any facility inspection conducted by local, county, state, or federal authorities.

Authorized Signature: _____ **Print Name:** ED JOHN

Title: Mgmt. Mgr. **Date:** 2/24/95 **Phone:** (510) 484-1842

City of Pleasanton
Pleasanton Fire Department
4444 Railroad Avenue, P. O. Box 520
Pleasanton, CA 94566-0802
(510) 484-8114 FAX: (510) 484-8178

B

Hazardous Materials Long Form

General Information

Facility Name Proficient Food Co. **Phone** (510) 484-1110

Street Address 5675 Sunol

Mailing Address SAME

Facility Contacts

Primary Contact ED JOHN

Title Maint. Mgr. **Bus. Phone** (510) 484-1880 **Home Phone** (510) 272-1755

Secondary Contact Terry Young

Title _____ **Bus. Phone** (510) 484-1880 **Home Phone** (510) 455-5127

Executive Contact Greg Smith

Title D.C. Mgr. **Bus. Phone** (510) 484-4480 **Home Phone** (510) 846-9960

Business Plan Contact ED JOHN

Title Maint. Mgr **Bus. Phone** (510) 484-1880 **Home Phone** (510) 272-1755

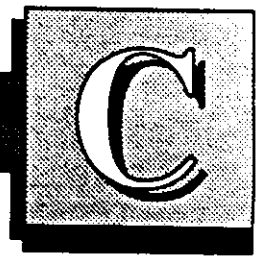
Property Owner Proficient Food Co **Bus.Phone** (909) 466-6100

Mailing Address 9408 Richmond Place, Rancho Cucamonga CA 91730

Principal type of business: Food distribution Center

Number of employees: Approx 65 **Dun & Bradstreet #** _____ **Sic Code** _____ (See Appendix B)

Hazardous Materials Inventory Statement



Instructions

Use the Hazardous Materials Inventory Statement forms on pages 5 and 6 to report the hazardous materials on-site. Make as many copies of these pages as you need. There are separate forms for waste and non waste. List them separately even if they are the same chemical.

The following information will help you fill out these forms:

WASTE chemical inventory is basically the same except for two data elements:

Waste Category Enter either the three-digit State waste code (from manifest) or if the waste is an EPA wastestream, the code for the waste as specified in 40 CFR, Part 261.

Annual Throughput Specify the amount of hazardous waste generated during the calender year.

Fire Code Class See Uniform Fire Code for definitions. A copy of the Fire Code is available for review at the library and the Fire Prevention Bureau.

CAS Number Identify the Chemical Abstract Service (CAS#) for each constituent of the material. They can be found on MSDS or chemical dictionaries.

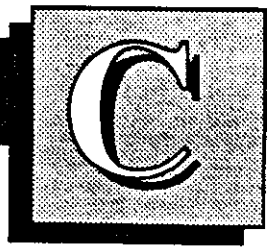
Physical State Enter **P** if pure, **M** if it is a mixture. Follow by a **S** for solid, **L** for liquid or **G** for gas. Examples : Acetone = P, L.

Units Specify gallons (gal.), pounds (lb.) or cubic feet (cu. ft.)

Quantity On Hand In column #1 show the average quantity of each hazardous material on hand at any one time. In the adjacent column specify the maximum amount on hand at any one time.

Storage Code Enter the code that best describes the type of container:

Code	Container
AGT	Above ground tank
UGT	Under ground tank
SD	Steel drum
PD	Plastic non-metallic drum
CB	Carboy
S	Silo
FD	Fiber drum
B	Bag
BX	Box
CYL	Cylinder
GB	Glass bottle or jug



Code	Container
PB	Plastic bottle or jug
TB	Tote bin
TT	Tank Truck
RC	Rail car
O	Other

PRES

In the **PRES** column, enter the code that best describes the storage pressure for the specific material. Use the codes below:

Code	Storage Pressure
A	Ambient pressure
G	Greater than ambient pressure
L	Less than ambient pressure

TEMP

In this column, enter the code that best describes the storage temperature for the specific material and location. Use the codes below:

Code	Storage Pressure
A	Ambient temperature
G	Greater than ambient temperature
L	Less than ambient temperature
Cry	Cryogenic conditions

SARA Class

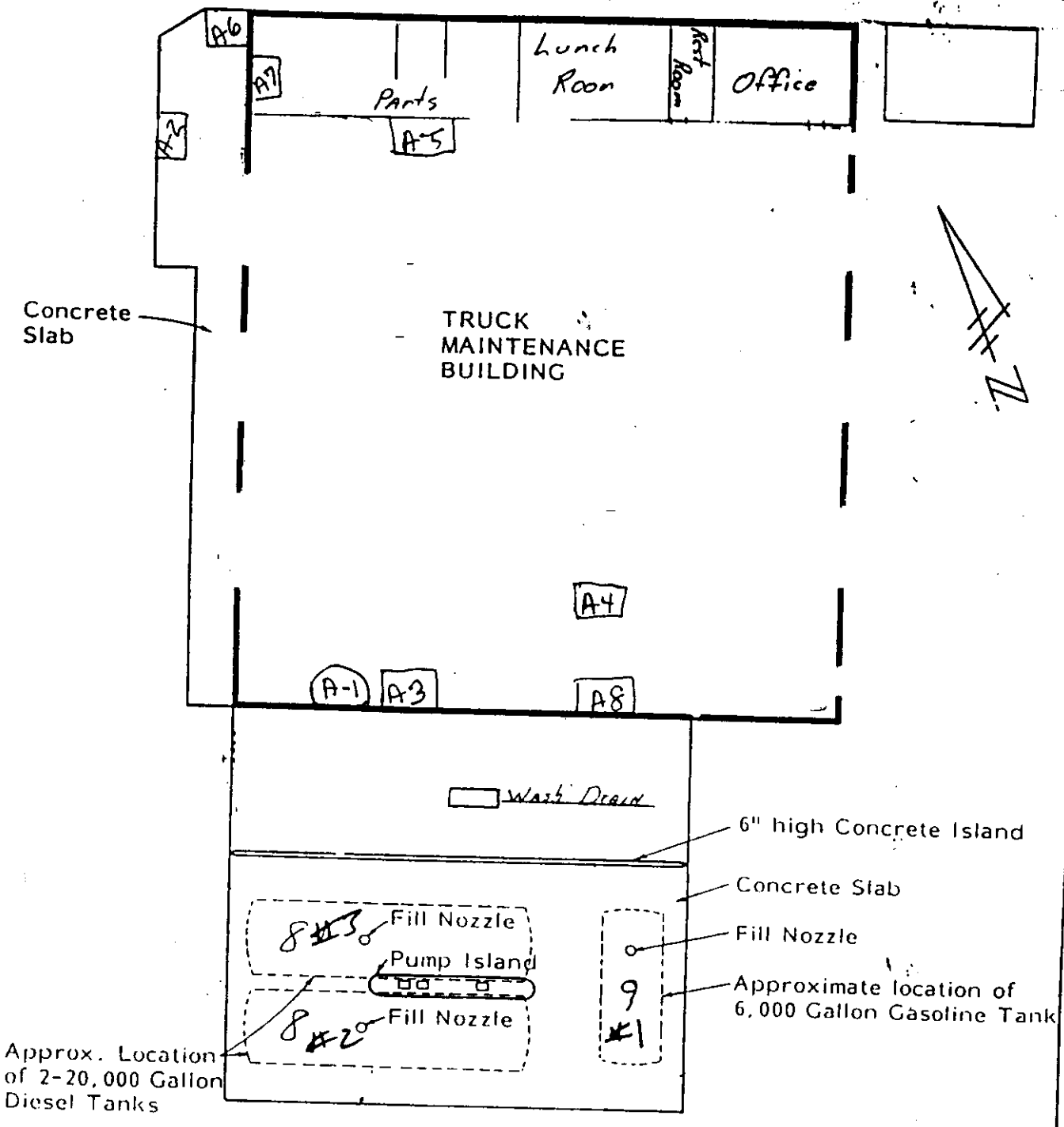
Enter the appropriate code under **PH** (Physical Hazards) and **HH** (Health Hazards).

Physical Hazards		Health Hazards	
P	Pressure	I	Immediate (Acute)
F	Fire	D	Delayed (chronic)
R/U	Reactive, Unstable		

Map Grid

Enter the two coordinates of the site map where the material is located, i.e. C-6, A-15, etc.

FIGURE 1-SITE SKETCH



MAP A

Hazardous Materials Inventory Statement

Business: Proficient Food Co **Date:** 2/24/95

Location: 5675 Sunol Blvd **Page** 1 of 1

NON WASTE

Fire Code Hazard Class	Common Name	Chemical Name Components & Concentration	Chemical Abstract Number	Physical State	Units	Quantity On Hand Avg	Quantity On Hand Max	Days On Site	Storage Code Type	Storage Code Pres	Storage Code Temp	SARA Class PH HH	Map Grid/ Area
	Anti-Freeze		57-55-6	L	gal.	40	55		FD	A	A	P	A-1
	Used Batteries		7664939 7732185 7439921	S	lbs	4	10		O	A	A	I	A-2
	Used (Hydraulic) oil	Solvent regined mineral oil	N/A	L	gal	150	240		AGT	A	A	F	A-3
	Used oil filters		N/A	S	lbs	30	55		SD	A	A	F	A-4
	Used absorbent	Rice hulls	N/A	M	lbs	10	30		PD	A	A	F	A-5
	New (Hydraulic) oil	Solvent regined mineral oil	N/A	L	gal	200	270		AGT	A	A	F	A-6
	Freon		75-71-8	G	lbs	100	145		GL	G	A	P	A-7
	Fleet Treat 1	Petroleum Aliphatic Hydrocarbon	64742-81-0	G	gal	40	55		FD	A	A	F	A-8

Hazardous Materials Inventory Statement

Business: PROFICIENT FOOD CO Date: 2-28-95

Location: 5675 SUNOL BLVD Page 1 of 1

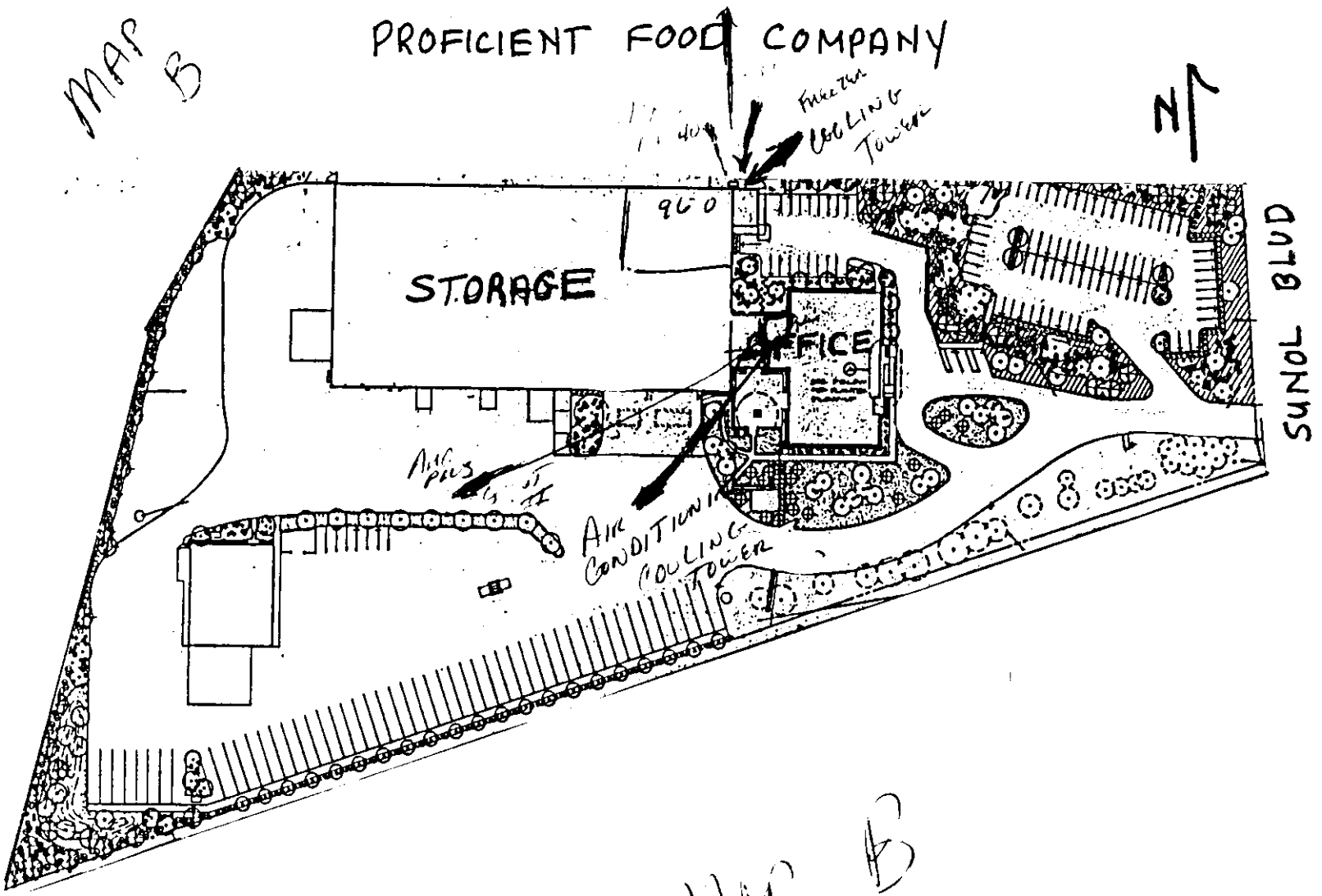
PLEASANTON CALIF.

NON- WASTE

Fire Code Hazard Class	Waste Category	Annual Throughput	Chemical Name Components & Concentration	Chemical Abstract Number	Physical State	Units	Quantity On-Hand Avg	Quantity On-Hand Max	Days On Site	Storage Code Type	Storage Code Pres	Storage Code Temp	SARA Class PH HH	Map Grid/ Area
			NP 40 POLYOXYETHLENE	N/A	CLEAR Liquid	5gal	1	2		PD	A	A	P I	B
			NP 45 M	N/A	Light Orange Liquid	5gal	1	2		PD	A	A	P D	B
			AQUA PLUS SODIUM HYPOCHLORITE	7681-53-0	Light STRAW Yellow Liquid	55gal	1	1		PD	A	A	R/U I	B
			Quest II PHOSPHINOCARBOXYLIC	71050-62-9	Colorless Odorless Liquid	5gal	1	2		PD	A	A	P I	B

MAP B

PROFICIENT FOOD COMPANY



MAP B

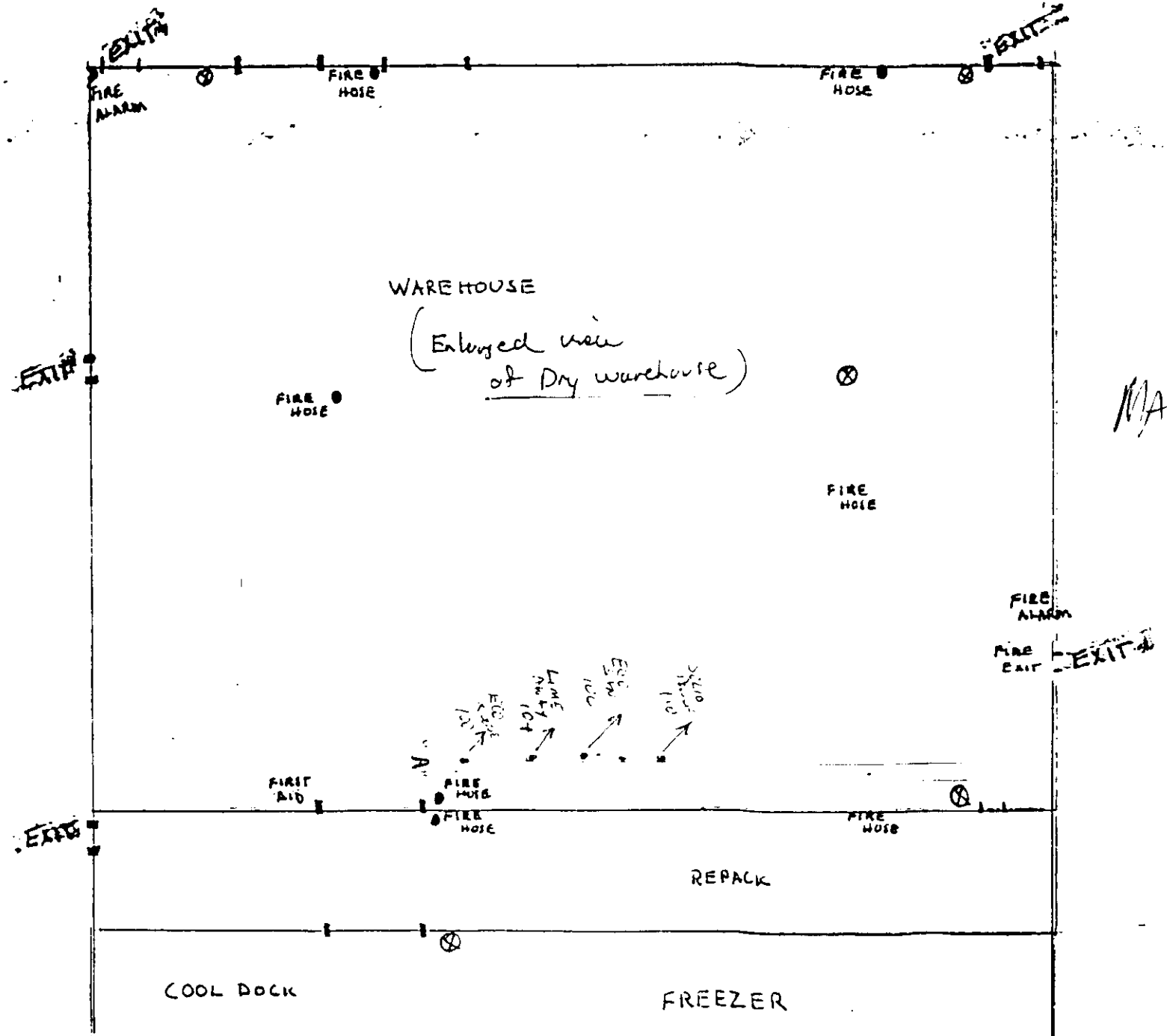
Hazardous Materials Inventory Statement

Business: PROFICIENT FOOD CO **Date:** 2-27-95

Location: 5675 SUNOL BLVD. **Page** 1 **of** ___

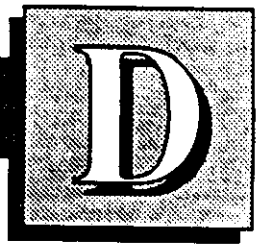
NON WASTE

Fire Code Hazard Class	Waste Category	Annual Throughput	Chemical Name Components & Concentration	Chemical Abstract Number	Physical State	Units	Quantity On-Hand Avg	Quantity On-Hand Max	Days On Site	Storage Code Type	Storage Code Pres	Storage Code Temp	SARA Class PH	SARA Class HH	Map Grid/ Area
	D002 RCRA CRITERIA		HEAVY DUTY ECO-KLENE	1310-73-2	RED CLEAR LIQUID	5 gal	124	432		PD	A	A	P	I	C
	D002 RCRA CRITERIA		LIME-A-WAY	7664-38-2	CLEAR GREEN LIQUID	1 Cs.	14	96		BX	A	A	P	I	C
	D002 RCRA CRITERIA		ECO-SAN	7681-52-9	CLEAR YELLOW LIQUID	5 gal	180	204		PD	A	A	F	I	C
			SOLID POWER	1310-73-2	BLUE SOLID	1 Cs	34	210		BX	A	A	P	I	C


EXIT
FIRE ALARM
FIRE HOSE
FIRE HOSE
EXIT
WAREHOUSE
(Enlarged view of Dry warehouse)
EXIT
FIRE HOSE
FIRE HOSE
FIRE ALARM
FIRE EXIT
EXIT
FIRST AID
FIRE HOSE
FIRE HOSE
FIRE HOSE
EXIT
REPACK
COOL DOCK
FREEZER

MAP C°

Facility and Site Map



Instructions

General Site Map - Use the Hazardous Materials Site Map form on page 9 to complete your map. Please keep in mind that the maps are intended to provide emergency response personnel with a summary of key information they may need on the scene of an emergency response. It should express the main features of your facility, but not be so overly detailed so that key points will be difficult to interpret.

Your map should include the following:

1. General area or room description i.e., office , solvent storage, plating, process area, etc.

2. Large businesses with multiple facility units or which occupy multiple floors in a building containing a reportable quantity of a hazardous material may need to complete a site map for each address, building or floor.

3. Draw to legible scale and indicate scale.

4. Show the location of the following:

    a. Buildings - include entrances and exits
    b. Storm and sewer drains, wells, drainage canals and waterways
    c. Adjacent streets and property
    d. Parking lots
    e. Loading areas
    f. Internal roads
    g. Fire hydrants, sprinkler and other protection equipment
    h. Access and egress points
    i. Gas, electric and water shut off valves
    j. Fences and gates
    k. Adjacent streets and property uses (if known)
    l. Hazardous materials locations
    m. Emergency response equipment
    n. Knox Box location

Please use the attached symbol library to indicate items on your map.

Write "Trade Secret" somewhere on each map. Facility maps showing locations of hazardous materials are considered trade secret under Chapter 6.95 of the State of California Health and Safety Code.

Symbol Library

Electric Main

Gas Main

Water Main

Material Safety Data Sheets

Knox Box

Combustible Gas Detector

Smoke Detector

Toxic Gas Detector

Emergency Shut Down

Fire Extinguisher

Guard Station

Emergency Control Station

Evacuation Staging Area

Storm Drain

Hazardous Materials

Above Ground Tank, number tanks

Fire Hose

Sprinkler Riser

Post Indicator Valve (PIV)

Fire Alarm Annuciator

Fire Control Panel

Fire Department Connection

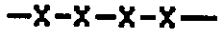
Fire Pump

Fire Hydrant

Fire Department Standpipe

Door or Gate

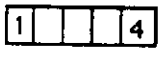
Roll Up Door



Fence

Roadway

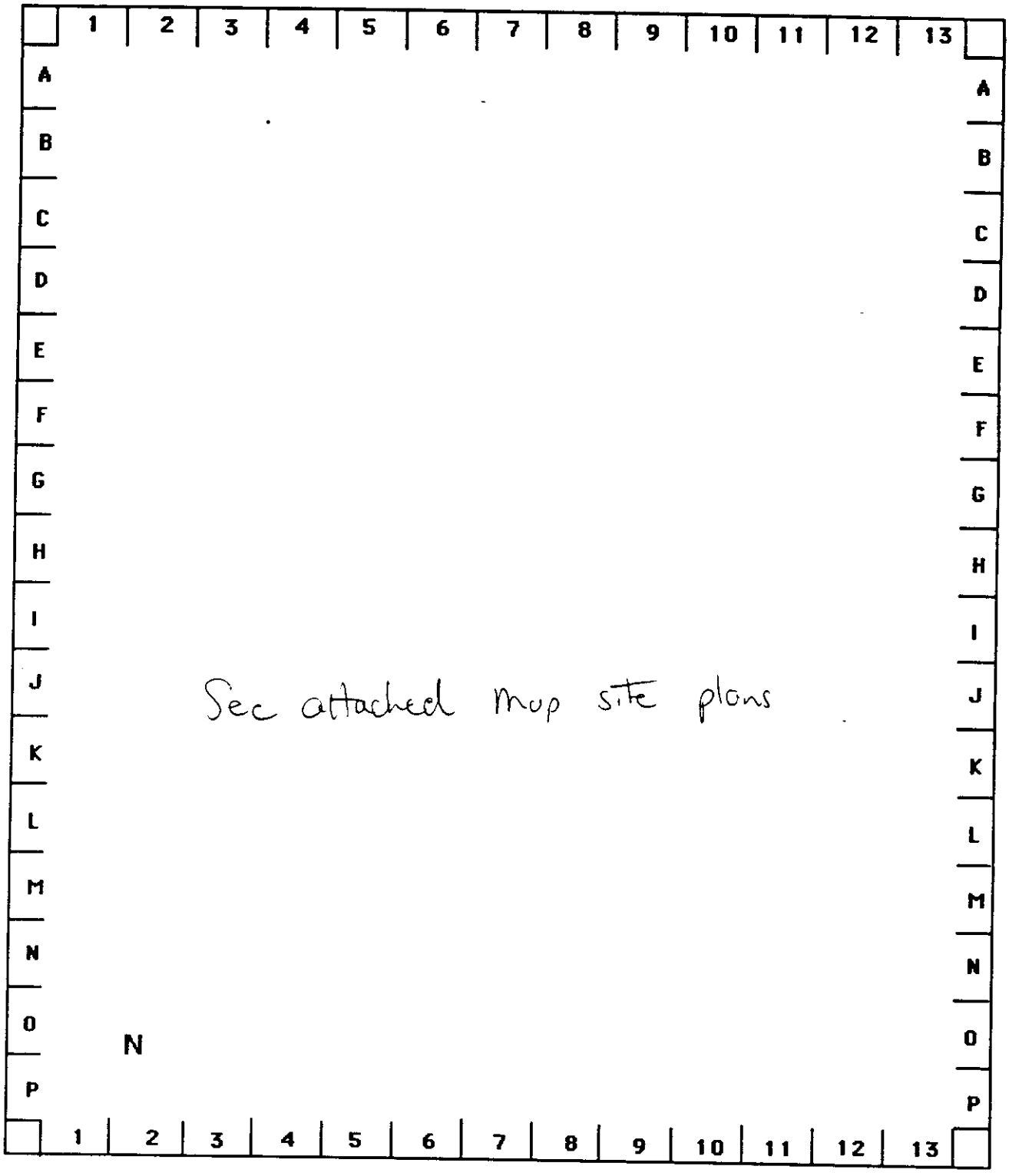
Railroad Track



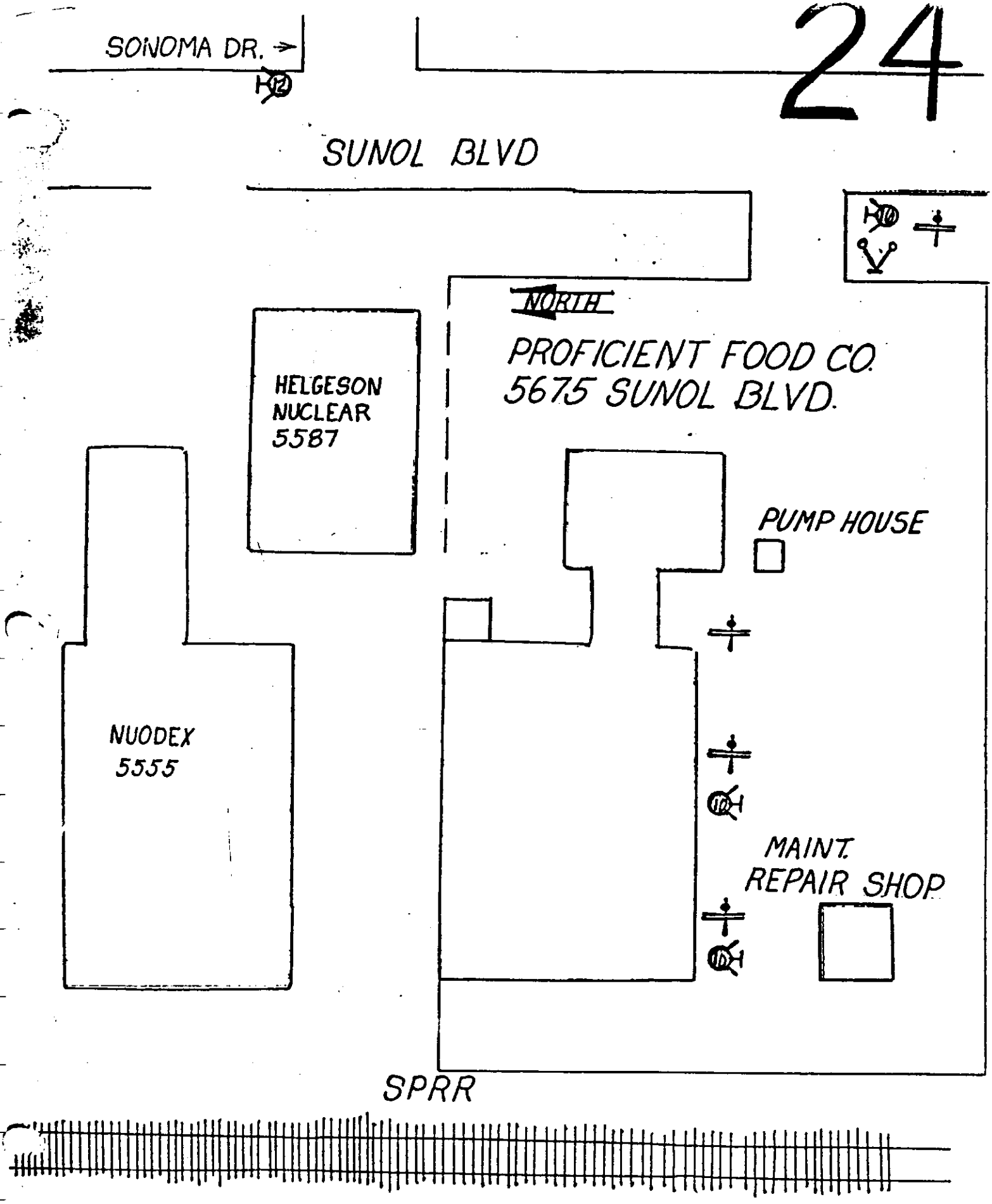
Stairs, indicate highest to lowest

Underground Tank, number tanks

HAZARDOUS MATERIALS SITE MAP

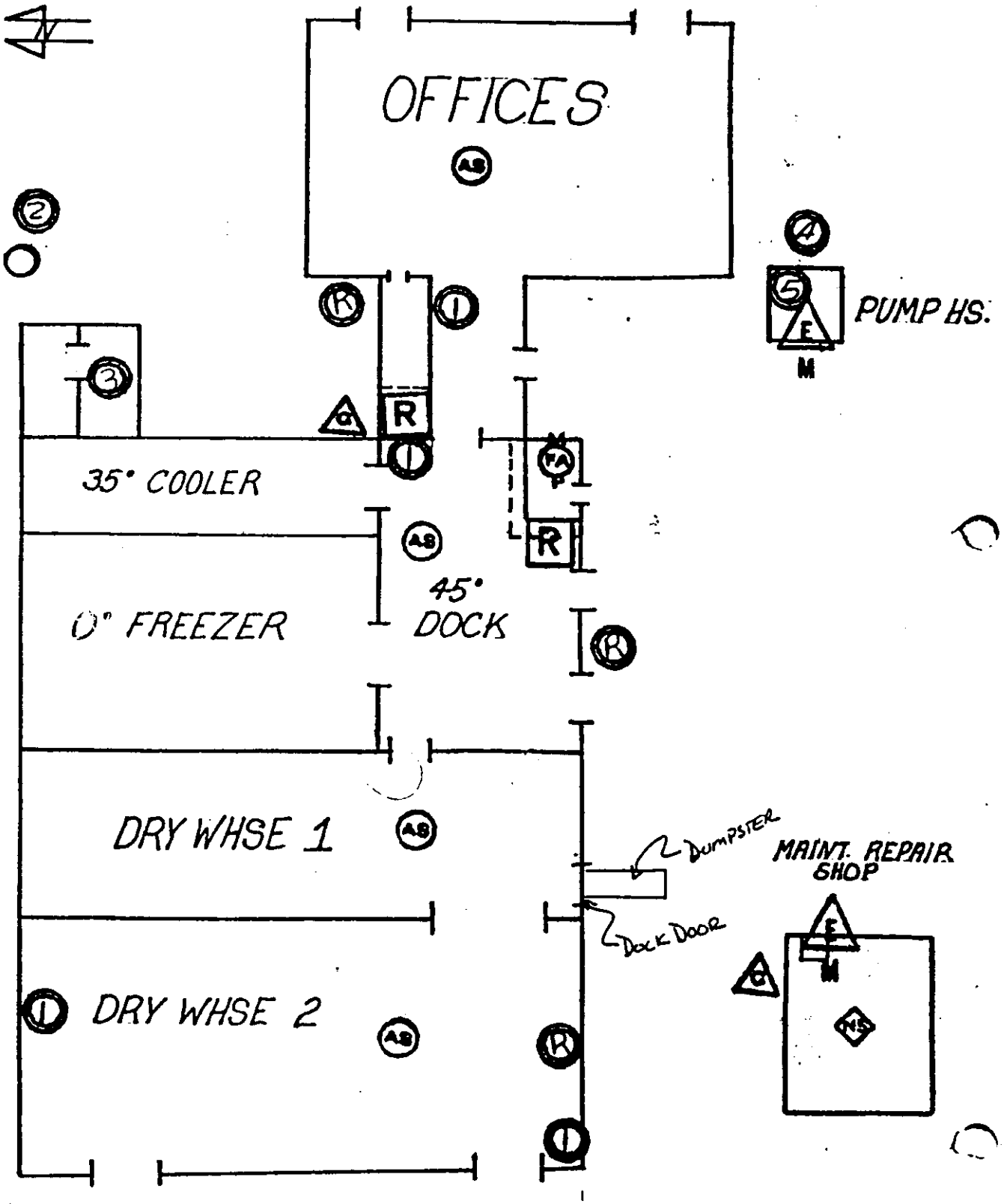


BUSINESS NAME	DATE
ADDRESS	PAGE ___ OF ___


SONOMA DR.
H12
SUNOL BLVD
H10
NORTH
PROFICIENT FOOD CO.
5675 SUNOL BLVD.
HELGESON
NUCLEAR
5587
PUMP HOUSE
NUODEX
5555
MAINT.
REPAIR SHOP
SPRR

PROFICIENT FOOD CO.
5675 SUNOL BLVD.

24c



Proficient Foods

Legend:

Ⓡ = Risers

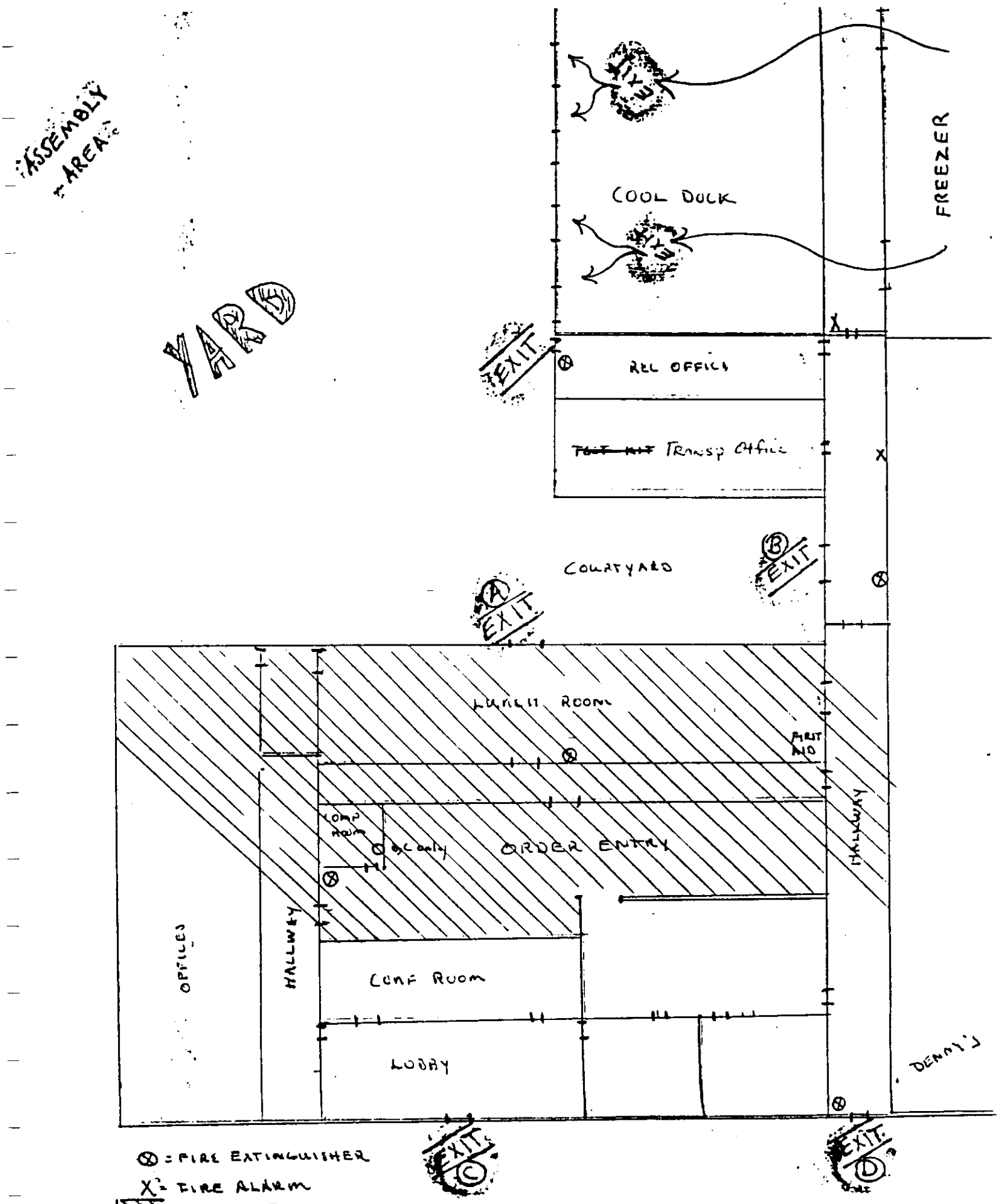
① = Manual pull alarms

② = 150 gal. diesel tank

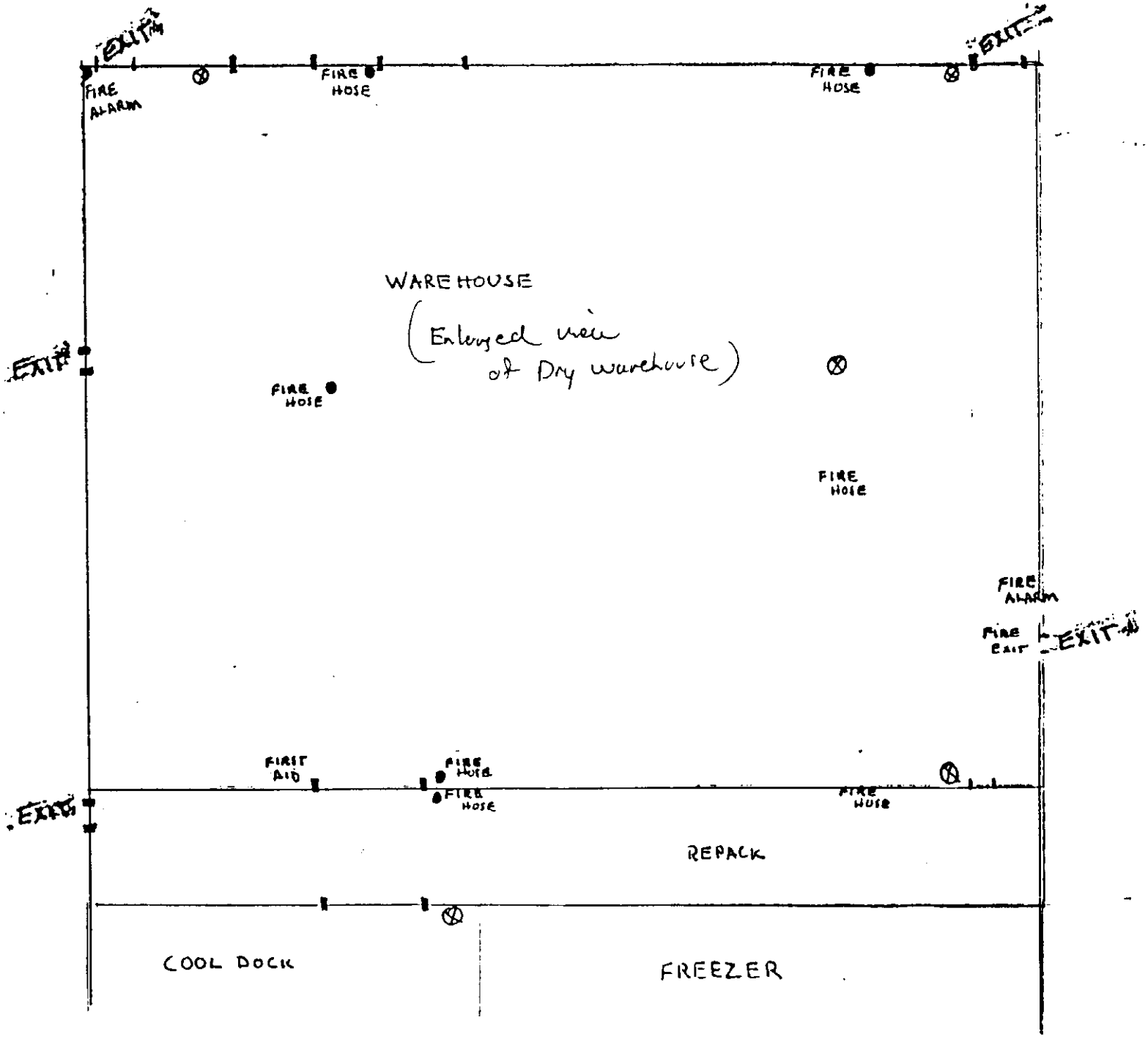
③ = Emerg. generator

④ = 6- 2½" outlets

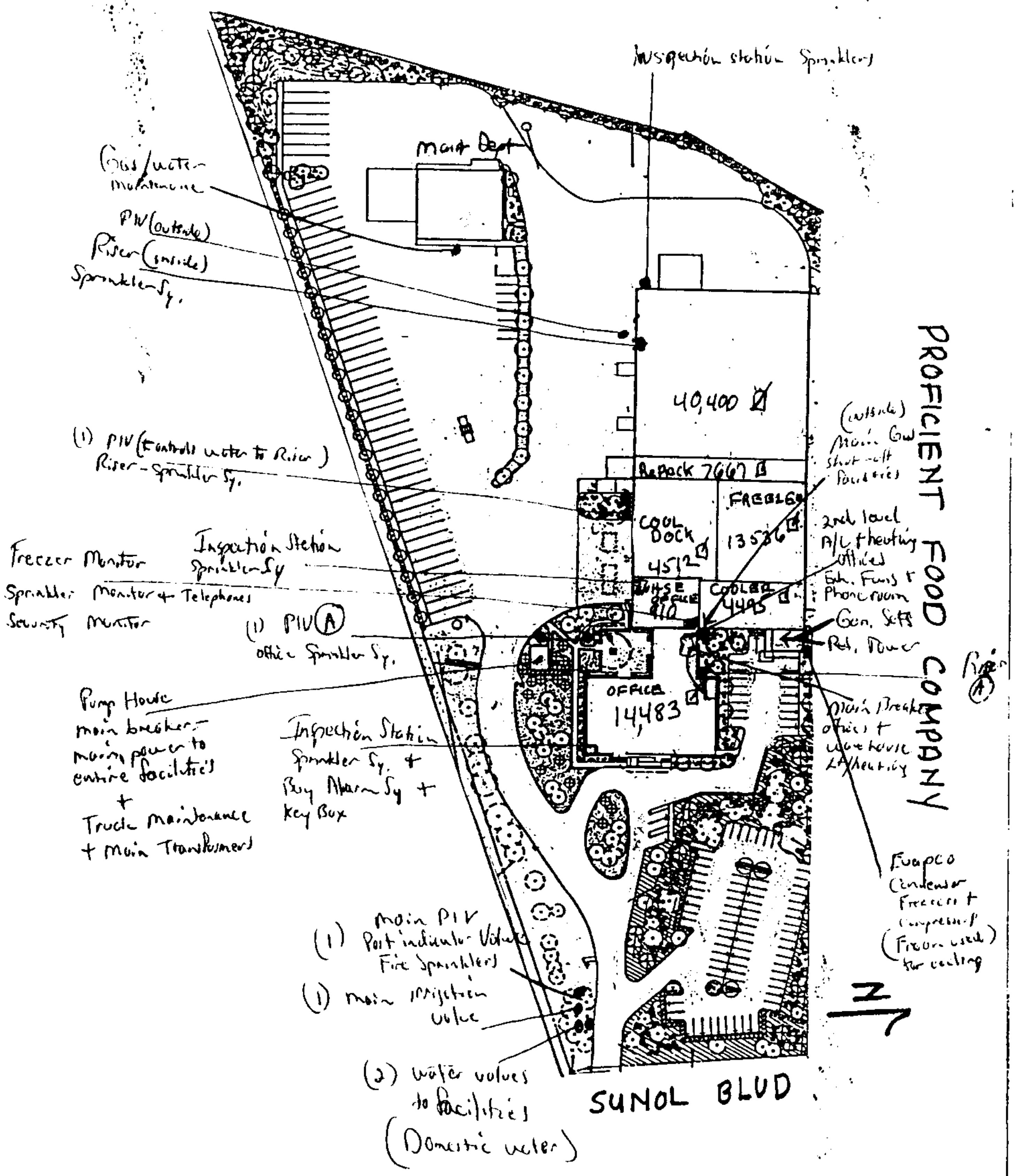
⑤ = 1500 gpm electric fire pump



PLEASANTON 02

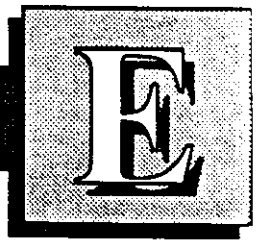

EXIT
EXIT
FIRE ALARM
FIRE HOSE
FIRE HOSE
WAREHOUSE
(Enlarged view of Dry warehouse)
EXIT
FIRE HOSE
FIRE HOSE
FIRE ALARM
FIRE EXIT
EXIT
FIRST AID
FIRE HOSE
FIRE HOSE
FIRE HOSE
EXIT
REPACK
COOL DOCK
FREEZER

11.5 Acres



Inspection station Sprinklers
Maint Dept
Gas/water maintenance
PIV (outside)
Riser (inside)
Sprinkler Sy.
40,400
(1) PIV (Controls water to Riser)
Riser - Sprinkler Sy.
Repack 7667
COOL DOCK 4512
FREEZER 13536
Inspection Station Sprinkler Sy
Freezer Monitor
Sprinkler Monitor + Telephones
Security Monitor
WHSE OFFICE 910
COOLER 4495
(outside) Main Gas shut-off facilities
2nd level A/C + heating offices
Exh. Fans + Phone room
Gen. Sets
Ret. Power
(1) PIV (A)
office Sprinkler Sy.
Riser (A)
OFFICE 14,483
Pump House
main breaker - main power to entire facilities
+ Truck Maintenance + Main Transformers
Inspection Station Sprinkler Sy. + Burg Alarm Sy + Key Box
Main Breaker offices + warehouse A/heating
Evapco Condenser Freezers + Compressors (Freon used for cooling)
PROFICIENT FOOD COMPANY
(1) Main PIV Post indicator Valve Fire Sprinklers
(1) main irrigation valve
(2) water valves to facilities (Domestic water)
N
SUNOL BLVD

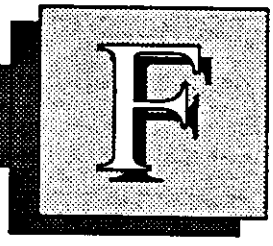
Emergency Response Plan



Attach a copy of the facility's Emergency Response Plan. See the instructions on page 12.

Attached [✓]

Employee Training Plan



Provide a description of the facility's training program. See the instructions on page 13.

Attached [✓]

E. Emergency Response Plan Instructions

Use the following list to help you ensure your emergency response plan is complete. This is **not** a comprehensive list of all topics which are appropriate for any given facility.

Emergency Response Equipment

List emergency response equipment and identify its location (a map may be useful). This equipment may include:

- Personal Protective Equipment - e.g., gloves, coveralls, respirators, self-contained breathing units, etc.
- Spill Control Equipment - e.g., absorbent, dams, buckets, etc.
- Communication Equipment - e.g., radios, telephones, walkie-talkies, etc.
- Other Equipment - e.g., fire extinguishers, first aid kits, etc.

Evacuation Information

Topics to address can include:

- How evacuations are announced.
- Evacuation routes (map).
- Assembly areas.
- Procedures for ensuring everyone is out of the facility.
- Re-entry procedure.

Emergency Contacts

Describe when various agencies and individuals should be notified of an emergency. Provide the phone numbers:

- Fire and Police - **911**
- Office of Emergency Services (when spill threatens or harms people or environment) **1-800-852-7550**
- Other agencies such as Fish and Game Department that are relevant to your facility
- Company personnel

Emergency Procedures

- Hazardous materials spill
- Medical emergency
  Earthquake - identify areas and equipment vulnerable to earthquake and include a plan for responding (specifically required by State law)
- Fire

PLEASANTON DISTRIBUTION CENTER

EMERGENCY EVACUATION PROCEDURES

In the event there is an emergency that requires building evacuation, there will be three (3) short blasts on the portable emergency horns. The Disaster Team Leaders will then begin the Emergency Evacuation Procedures. Diagrams are attached for all evacuation routes.

Disaster Team Leaders Responsibilities

1. All emergencies that might require evacuation of the building must be reported to a Team Leader or his Alternate.

2. The nature of the emergency will be summarized for expediency,

3. Make the determination for building evacuation.

4. Coordinate all activities of Area Leaders (ie, make sure alarm is sounded to all areas, Office and Warehouse).

Procedure for Disaster or Emergency Evacuation

1. There will be three Evacuation Team Leaders (each will have an alternate).

   a. Office
   b. Warehouse
   c. Shop

2. Each leader will be responsible for the safe evacuation of all personnel in their designated area.

3. When the evacuation has begun, each leader will begin the employee check-off.

4. During an evacuation, the Team Leader will assign one individual in each section to physically check the premises for any injured employee.

5. The Disaster Team Leaders will make a final check of all employees at the designated assembly area (see attached chart).

Distribution Center Manager

1. It will be the Distribution Center Managers responsibility to make certain all Team Leaders are fully aware of the evacuation procedures.

2. There will be at least two (2) Emergency Evacuation Drills held each year.

3. A list of the Evacuation Team Leaders will be posted in conspicuous areas throughout the Distribution Center.

Responsibilities of the Distribution Personnel

1. Follow instructions of Disaster Team Leaders.

2. Be prepared to assist Disaster Team Members.

Procedures for Various Emergencies

A. FIRE

1. In the event of a fire, notify any Disaster Team Leader. If the fire is relatively small and could be extinguished with one of the fire extinguishers in the building, immediate action should be taken.

2. If the fire is beyond the limits of the fire extinguishers, the Fire Brigade will take over.

3. The Fire Department will be notified immediately.

4. The Disaster Team Leaders will have the building evacuated.

5. Emergency Shut-Down Procedures of gas and electricity will be instituted.

6. When the emergency is over, the Disaster Team Leaders will notify all employees.

B. EARTHQUAKE

1. It is generally safer to stay inside the building (except warehouse). Shelter under a desk or other substanial piece of furniture is usually safer than exiting the building.

2. If you are in the warehouse, IMMEDIATELY stay clear of all racking.

3. All employees that are told to evacuate the building must meet in the designated assembly area.

4. In the event of a major earthquake, Emergency Services will be limited.

   a. We will provide emergency First Aid by one of the qualified First Aid Personnel. A First Aid Station will be set up in a safe area.

5. DO NOT use any object that could cause sparks (matches, lighters, etc.).

6. Be cautious of power-lines or any exposed electrial wires.

7. We will have portable or car radios to listen for Emergency Information.

8. Keep telephone lines open for emergency communications only!

C. BOMB THREAT

1. If a bomb threat is received, notify your supervisor immediately.

2. The supervisor will notify the local police.

3. The supervisor will notify the D.C. Manager.

4. Evacuation of the building will proceed as in the Disaster Evacuation Procedures.

INITIAL RESPONSE AND CLEAN-UP

For small spills (such as small releases while transferring oil or from a punctured drum), mop and mop buckets, shovels, absorbents, and personnel protective equipment (as needed) are readily available (Attachment C).

The following steps will be employed in the event that a small release occurs:

Treat all spills as a potential hazard

- Consider any spill explosive or flammable. Prevent any source from possibly igniting the liquid (e.g., smoking, electrical motor sparks, electrical equipment).
- Avoid contact with skin and eyes. Avoid walking in the spill unless absolutely necessary. Avoid breathing vapors.

Contain and clean up the spill

- Contain the spilled oil; use absorbent to dam or boom the area.
- Use appropriate personal protective equipment, as needed.
- Prevent spills from draining off the property. Under no circumstances should liquids other than noncontact cooling water or stormwater be allowed to enter public sewers, drainage systems, and natural waterways.
- Place spent absorbent material and spill residues in approved drums for disposal.

Contact the on-duty supervisor and Emergency Coordinator, evaluate the cleanup measures implemented, and report the spill to the appropriate managers (Attachment D)

- Document and record spill event.
- Determine cause of spill and evaluate methods to avoid future reoccurrences of a similar event.

For large spills (such as the rupturing or spilling of a 55-gallon storage drum), an explosion and/or fire, reaction of incompatible material, or oil release to the environment, an outside emergency response contractor must be contacted. Then, Garrett Consulting, Inc. (GCI) should be contacted.

- **Emergency Response Contractor**

  _____

- **GCI**
  Bob Garrett
  (404) 974-9381

The following steps should be taken by management in the event of an emergency:

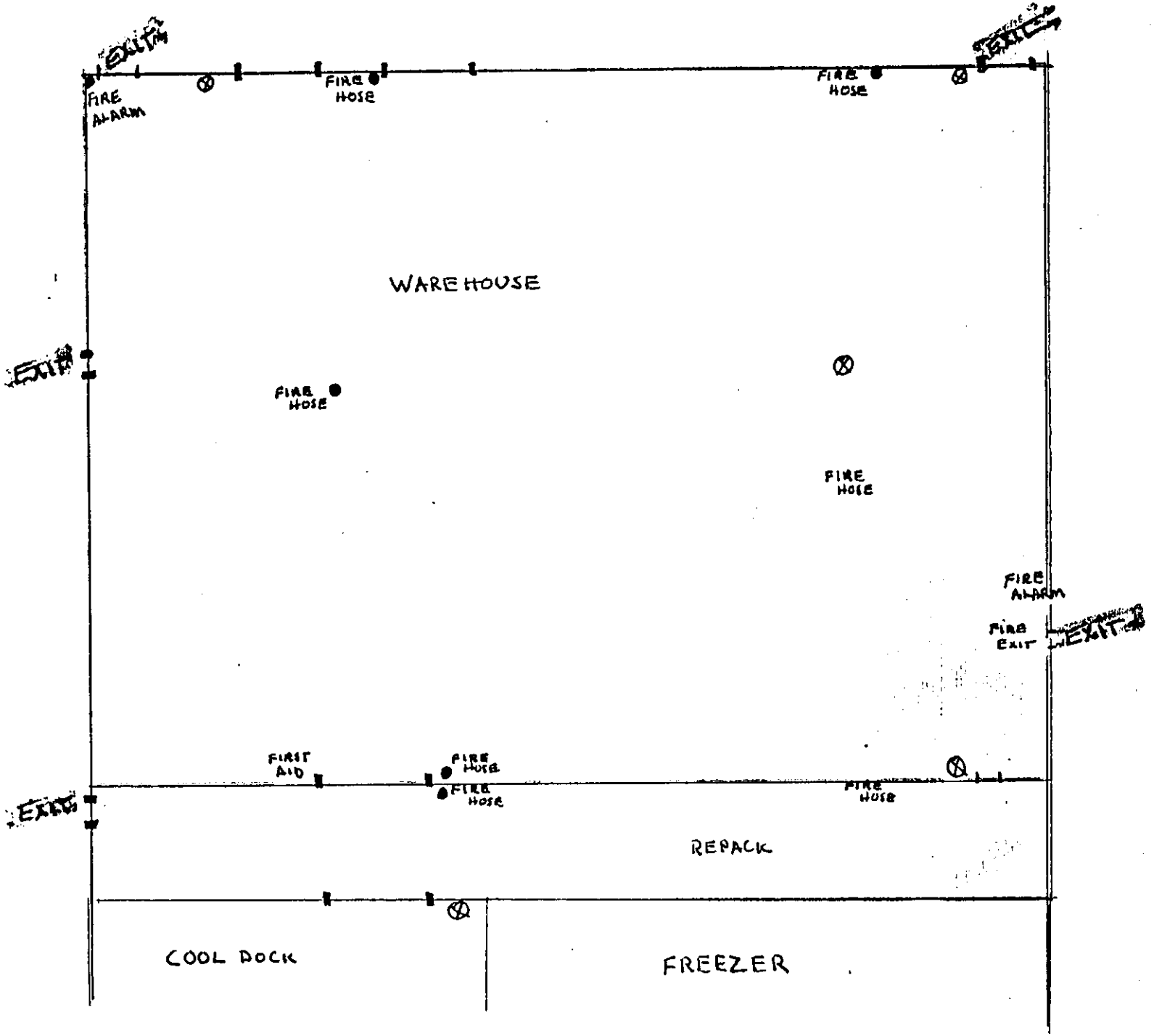
- **Immediately sound the alarm and evacuate the exposed area.**
- **Shut down all power supplies to the exposed area.**
- **Notify fire department, police, hospital, and an ambulance, as needed.**

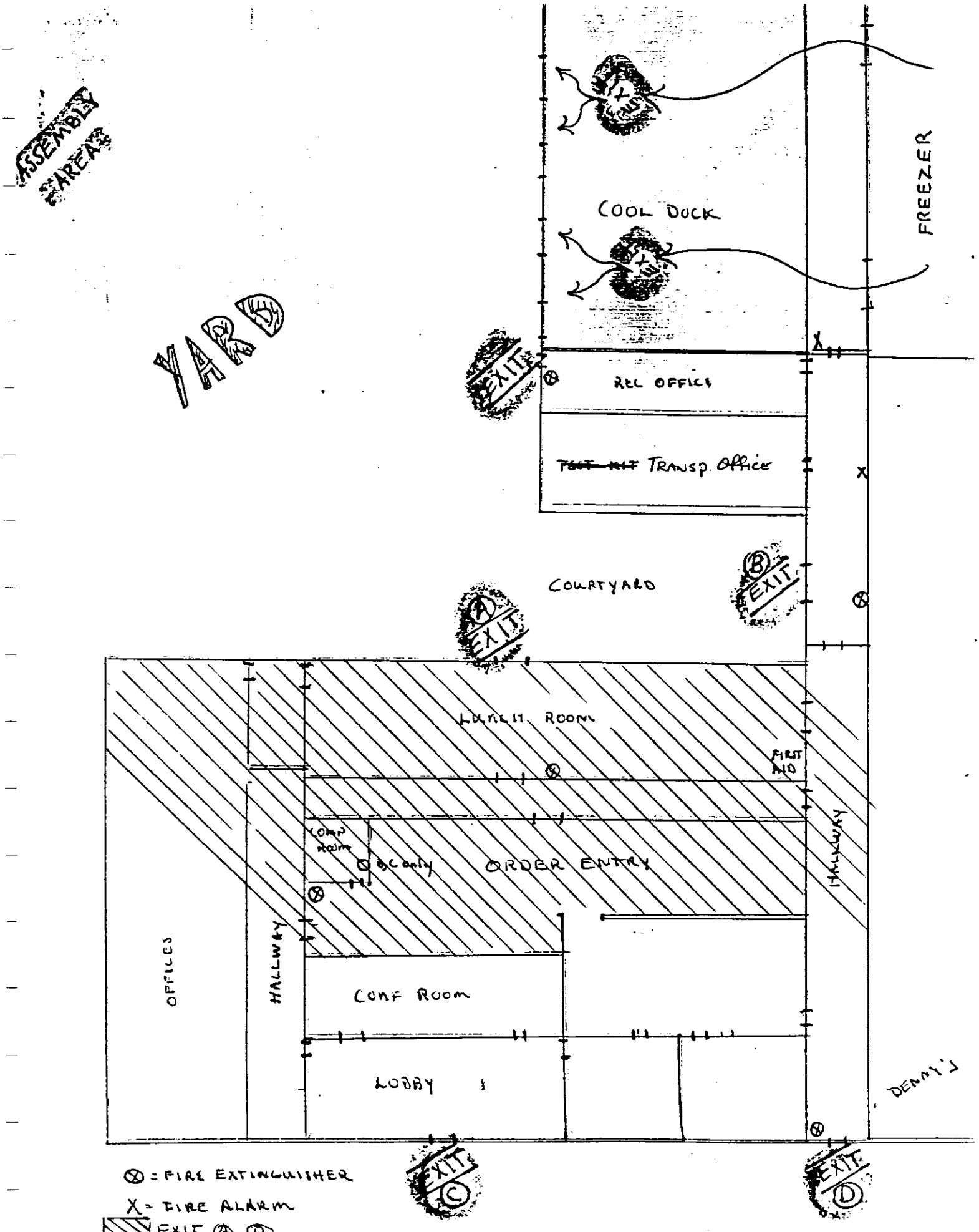
The Emergency Coordinator or supervisor must:

- Evaluate conditions at the site.
- Direct efforts to contain oil or chemical release.
- Assist emergency response personnel.
- Remove injured or disabled personnel.

Cleanup after release:

- Check unaffected areas onsite for damage or leaks.
- Clean all safety and protective equipment and replace in working order.
- File all necessary reports, complete log describing the event, and maintain all records of the event.


EXIT
FIRE ALARM
FIRE HOSE
FIRE HOSE
EXIT
WAREHOUSE
EXIT
FIRE HOSE
FIRE HOSE
FIRE ALARM
FIRE EXIT
EXIT
FIRST AID
FIRE HOSE
FIRE HOSE
FIRE HOSE
EXIT
REPACK
COOL DOCK
FREEZER


ASSEMBLY AREA
YARD
COOL DOCK
FREEZER
REC OFFICE
~~POST HELP~~ TRANSP. OFFICE
COURTYARD
EXIT A
EXIT B
LUNCH ROOM
FIRST AID
COMP ROOM
BC only
ORDER ENTRY
HALLWAY
OFFICES
HALLWAY
CONF ROOM
LOBBY
DENNY'S
EXIT C
EXIT D
⊗ = FIRE EXTINGUISHER
X = FIRE ALARM
EXIT (A), (B)

F. Emergency Response Training Instructions

Use the following list to help you ensure your emergency response training plan is complete. This is not a comprehensive list of all topics which are appropriate for any given facility.

All Personnel

- Internal alarm - what type is provided, what do they mean and how to react.
- Off-site notification - who to notify in the event of an emergency.
- Emergency Response Plan location.
- Evacuation procedures.
- Response procedures for fire, spill, earthquake, and medical emergencies appropriate to the general employee (i.e., office staff etc., not chemical handlers).

Chemical Handlers

- Handling and storage methods for the chemicals on site.
- Personal protection equipment.
- Use of response equipment.
- Shut down of equipment.
- Hazards of the chemicals on-site and how to avoid and control them.
- Emergency response procedures for fire, spill, earthquake and medical emergencies.

Training Management and Documents

- Responsibilities.
- Documentation (records are to be kept a minimum of three years).
- Description of courses.

Personnel Training

Our training program is conducted on a monthly basis with refresher courses annually and is used to inform employees of the hazards associated with the oils and chemicals used at the center. The program outlines the proper use and importance of safety and spill equipment, as well the general procedures for handling spills, should they occur.

The training programs presented to all current employees. The program is a part of any new employee's orientation and must be repeated at least annually.

The training is designed to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, equipment, and systems, including(where applicable):

1) Procedures for using, inspecting and replacing facility emergency equipment.
2) Communication and alarm systems.
3) Notification requirements and telephone numbers.
4) Shutdown of operations.

In the event of a reportable hazardous substance release, untrained facility personnel will not engage in any cleanup operations. All safety and training records on current and former employees will be retained until the prescribed time period.

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : Maint Dept **Map location:** A-1

1. **Storage Type**

- ✓ Original containers
- ___ Inside closed machinery
- ___ Inside open machinery
- ✓ 55 gal drums or storage shed
- ___ Pressurized vessel
- ___ Safety cans
- ___ Bulk tank
- ___ Outside barrels
- ___ Other:

2. **Storage Location**

- ✓ Inside building
- ___ Outside building

3. **Separation**

- ✓ All materials compatible
- ___ One hour separation
- ___ Wall/Partition
- ___ Separated by twenty feet
- ___ Approved cabinets
- ___ Other : _____

4. **Secondary Containment**

- ___ Approved cabinet
- ___ Tray
- ___ Bermed, coated floor
- ___ Secondary drums
- ___ Vaulted tank
- ___ Double wall tank
- ___ None
- ✓ Other: 55 gal drum

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : Maint Dept **Map location:** A-2

1. Storage Type

- ✓ Original containers
- ___ Inside closed machinery
- ___ Inside open machinery
- ___ 55 gal drums or storage shed
- ___ Pressurized vessel
- ___ Safety cans
- ___ Bulk tank
- ___ Outside barrels
- ___ Other:

2. Storage Location

- ___ Inside building
- ✓ Outside building

3. Separation

- ___ All materials compatible
- ___ One hour separation
- ___ Wall/Partition
- ✓ Separated by twenty feet
- ___ Approved cabinets
- ___ Other : _____

4. Secondary Containment

- ___ Approved cabinet
- ___ Tray
- ___ Bermed, coated floor
- ___ Secondary drums
- ___ Vaulted tank
- ___ Double wall tank
- ___ None
- ✓ Other: Stored on pallet

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : Mont Dept **Map location:** A-3

1. **Storage Type**

— Original containers
— Inside closed machinery
— Inside open machinery
— 55 gal drums or storage shed
— Pressurized vessel
— Safety cans
✓ Bulk tank
— Outside barrels
— Other:

2. **Storage Location**

✓ Inside building
— Outside building

3. **Separation**

✓ All materials compatible
— One hour separation
— Wall/Partition
— Separated by twenty feet
— Approved cabinets
— Other : _____

4. **Secondary Containment**

— Approved cabinet
— Tray
— Bermed, coated floor
— Secondary drums
— Vaulted tank
✓ Double wall tank
— None
— Other: _____

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : Maint Dept **Map location:** A-4

1. Storage Type

- — Original containers
- — Inside closed machinery
- — Inside open machinery
- ✓ 55 gal drums or ~~storage shed~~
- — Pressurized vessel
- — Safety cans
- — Bulk tank
- — Outside barrels
- — Other:

2. Storage Location

- ✓ Inside building
- — Outside building

3. Separation

- ✓ All materials compatible
- — One hour separation
- — Wall/Partition
- — Separated by twenty feet
- — Approved cabinets
- — Other : _____

4. Secondary Containment

- — Approved cabinet
- — Tray
- — Bermed, coated floor
- — Secondary drums
- — Vaulted tank
- — Double wall tank
- — None
- ✓ Other: Approved 55 gal

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : Maint Dept **Map location:** A-5

1. Storage Type

- — Original containers
- — Inside closed machinery
- — Inside open machinery
- ✓ 55 gal drums or ~~storage shed~~
- — Pressurized vessel
- — Safety cans
- — Bulk tank
- — Outside barrels
- — Other:

2. Storage Location

- ✓ Inside building
- — Outside building

3. Separation

- ✓ All materials compatible
- — One hour separation
- — Wall/Partition
- — Separated by twenty feet
- — Approved cabinets
- — Other : _____

4. Secondary Containment

- — Approved cabinet
- — Tray
- — Bermed, coated floor
- — Secondary drums
- — Vaulted tank
- — Double wall tank
- — None
- ✓ Other: 55 gal container

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : Maint. Dept **Map location:** A-6

1. **Storage Type**

- — Original containers
- — Inside closed machinery
- — Inside open machinery
- — 55 gal drums or storage shed
- — Pressurized vessel
- — Safety cans
- ✓ Bulk tank
- — Outside barrels
- — Other:

2. **Storage Location**

- — Inside building
- ✓ Outside building

3. **Separation**

- — All materials compatible
- — One hour separation
- — Wall/Partition
- — Separated by twenty feet
- ✓ Approved cabinets
- — Other : _____

4. **Secondary Containment**

- ✓ Approved cabinet
- — Tray
- — Bermed, coated floor
- — Secondary drums
- — Vaulted tank
- — Double wall tank
- — None
- — Other: _____

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : Maint. Dept. **Map location:** A-7

1. Storage Type

- ✓ Original containers
- — Inside closed machinery
- — Inside open machinery
- — 55 gal drums or storage shed
- — Pressurized vessel
- — Safety cans
- — Bulk tank
- — Outside barrels
- — Other:

2. Storage Location

- ✓ Inside building
- — Outside building

3. Separation

- — All materials compatible
- — One hour separation
- — Wall/Partition
- ✓ Separated by twenty feet
- — Approved cabinets
- — Other : _____

4. Secondary Containment

- — Approved cabinet
- — Tray
- — Bermed, coated floor
- — Secondary drums
- — Vaulted tank
- — Double wall tank
- — None
- ✓ Other: Secured by chain to building – cylinder

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : Maint. Dept **Map location:** A-8

1. Storage Type

- ✓ Original containers
- — Inside closed machinery
- — Inside open machinery
- ✓ 55 gal drums or ~~storage shed~~
- — Pressurized vessel
- — Safety cans
- — Bulk tank
- — Outside barrels
- — Other:

2. Storage Location

- ✓ Inside building
- — Outside building

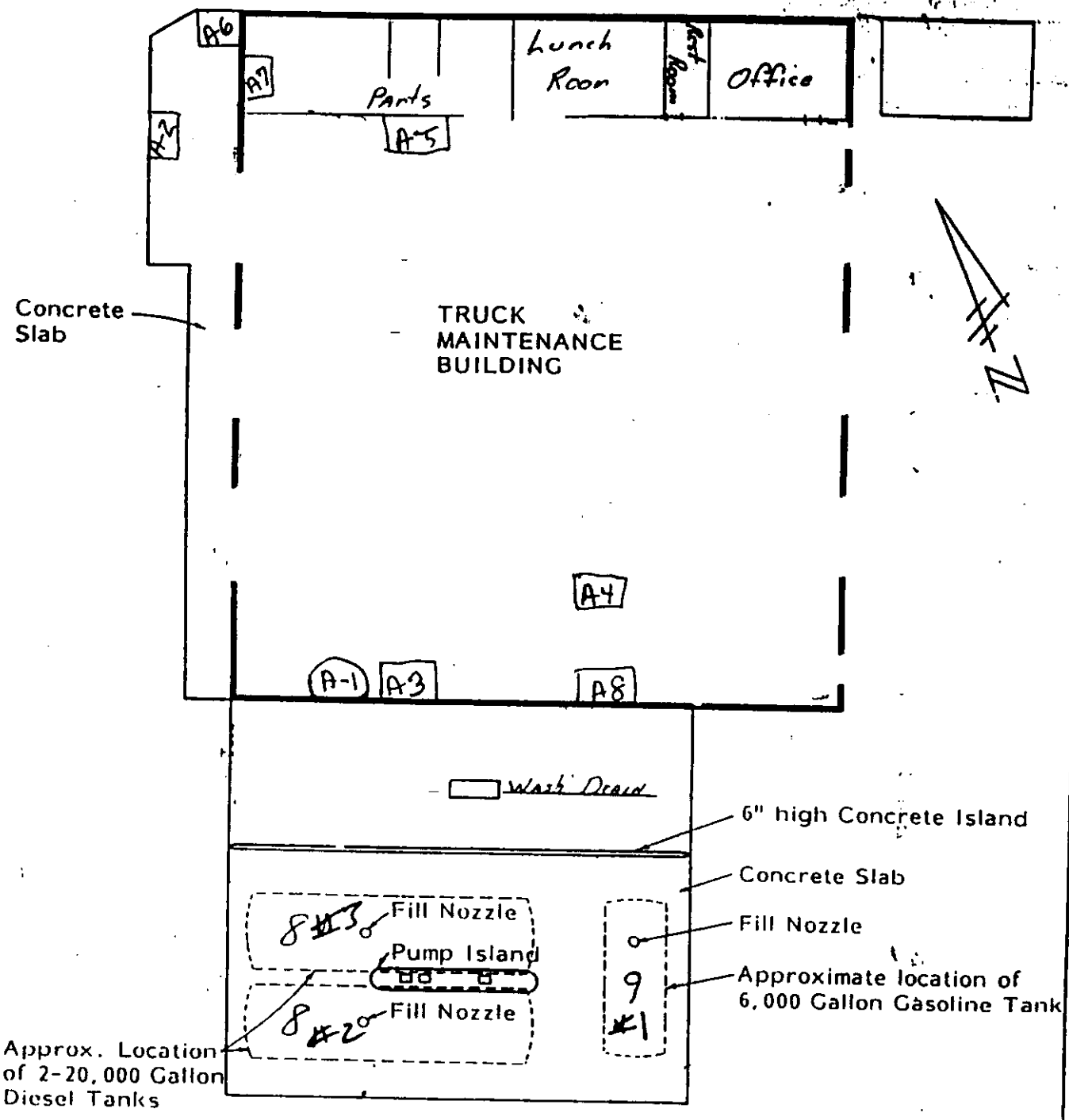
3. Separation

- — All materials compatible
- — One hour separation
- — Wall/Partition
- ✓ Separated by twenty feet
- — Approved cabinets
- — Other : _____

4. Secondary Containment

- — Approved cabinet
- — Tray
- — Bermed, coated floor
- ✓ Secondary drums
- — Vaulted tank
- — Double wall tank
- — None
- — Other: _____

FIGURE 1-SITE SKETCH



MAP A

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : COOLING TOWERS **Map location:** B

1. **Storage Type**

- ___ Original containers
- ___ Inside closed machinery
- ___ Inside open machinery
- ___ 55 gal drums or storage shed
- ___ Pressurized vessel
- ___ Safety cans
- ___ Bulk tank
- X Outside barrels
- ___ Other:

2. **Storage Location**

- ___ Inside building
- X Outside building

3. **Separation**

- X All materials compatible
- ___ One hour separation
- ___ Wall/Partition
- ___ Separated by twenty feet
- ___ Approved cabinets
- ___ Other : _____

4. **Secondary Containment**

- ___ Approved cabinet
- ___ Tray
- ___ Bermed, coated floor
- ___ Secondary drums
- ___ Vaulted tank
- ___ Double wall tank
- ___ None
- X Other: ORIGINAL CONTAINERS

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : COOLING TOWERS **Map location:** B

1. **Storage Type**

— Original containers
— Inside closed machinery
— Inside open machinery
— 55 gal drums or storage shed
— Pressurized vessel
— Safety cans
— Bulk tank
X Outside barrels
— Other:

2. **Storage Location**

— Inside building
X Outside building

3. **Separation**

X All materials compatible
— One hour separation
— Wall/Partition
— Separated by twenty feet
— Approved cabinets
— Other : _____

4. **Secondary Containment**

— Approved cabinet
— Tray
— Bermed, coated floor
— Secondary drums
— Vaulted tank
— Double wall tank
— None
— Other: ORIGINAL CONTAINER

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : COOLING TOWERS **Map location:** B

1. Storage Type

- — Original containers
- — Inside closed machinery
- — Inside open machinery
- — 55 gal drums or storage shed
- — Pressurized vessel
- — Safety cans
- — Bulk tank
- X Outside barrels
- — Other:

2. Storage Location

- — Inside building
- X Outside building

3. Separation

- X All materials compatible
- — One hour separation
- — Wall/Partition
- — Separated by twenty feet
- — Approved cabinets
- — Other : _____

4. Secondary Containment

- — Approved cabinet
- — Tray
- — Bermed, coated floor
- — Secondary drums
- — Vaulted tank
- — Double wall tank
- — None
- — Other: ORIGINAL CONTAINER

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : COOLING TOWERS **Map location:** B

1. Storage Type

- — Original containers
- — Inside closed machinery
- — Inside open machinery
- X 55 gal drums or storage shed
- — Pressurized vessel
- — Safety cans
- — Bulk tank
- — Outside barrels
- — Other:

2. Storage Location

- — Inside building
- X Outside building

3. Separation

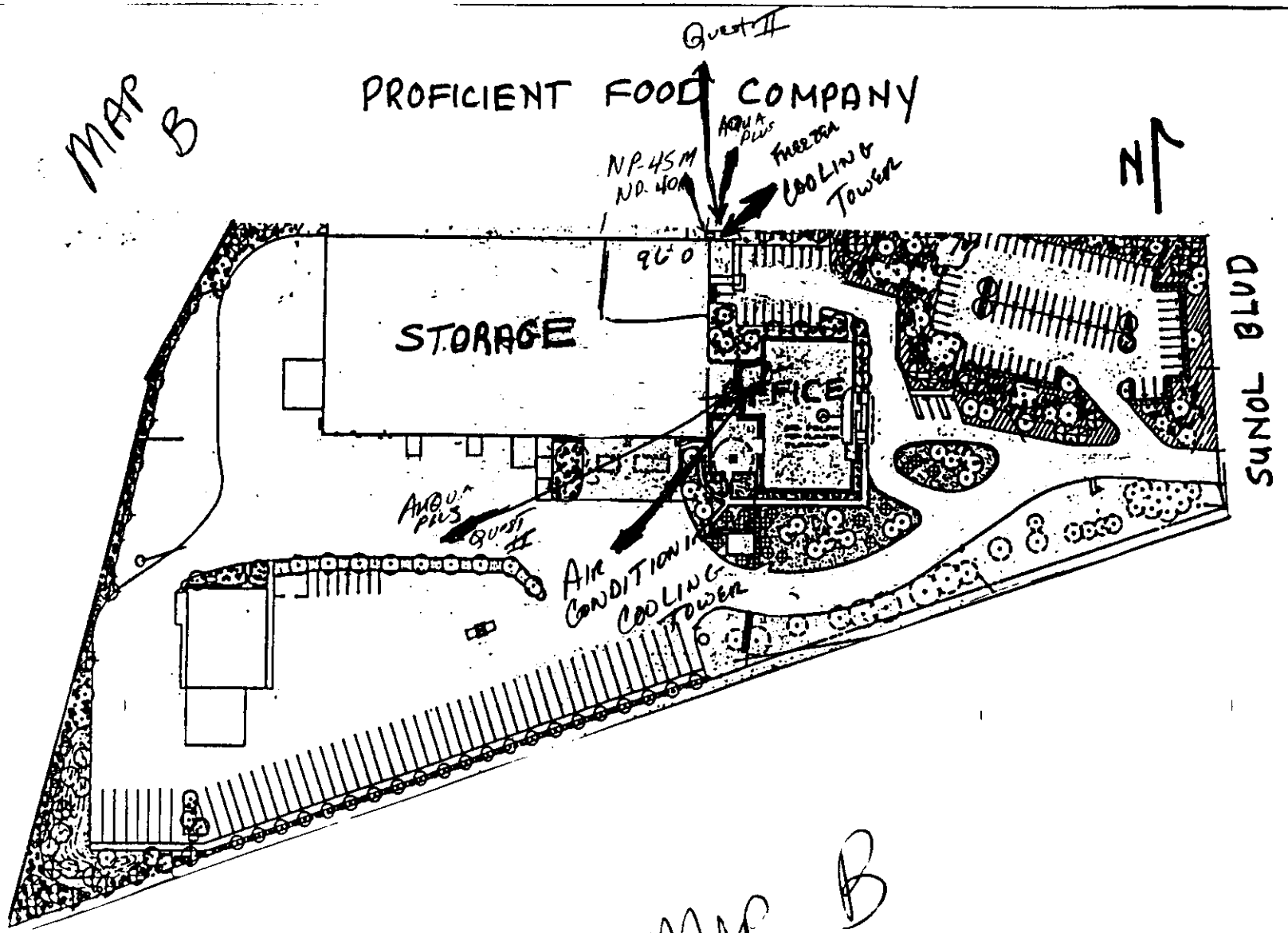
- X All materials compatible
- — One hour separation
- — Wall/Partition
- — Separated by twenty feet
- — Approved cabinets
- — Other : _____

4. Secondary Containment

- — Approved cabinet
- — Tray
- — Bermed, coated floor
- — Secondary drums
- — Vaulted tank
- — Double wall tank
- — None
- — Other: ORIGINAL CONTAINER

MAP B

PROFICIENT FOOD COMPANY



MAP B

Separation and Containment

G

For *each* storage location, complete the following page:

Name of storage location : DRY WAREHOUSE **Map location:** A-100 MAP C

1. **Storage Type**

- [X] Original containers
- [ ] Inside closed machinery
- [ ] Inside open machinery
- [ ] 55 gal drums or storage shed
- [ ] Pressurized vessel
- [ ] Safety cans
- [ ] Bulk tank
- [ ] Outside barrels
- [ ] Other:

2. **Storage Location**

- [X] Inside building
- [ ] Outside building

3. **Separation**

- [X] All materials compatible
- [ ] One hour separation
- [ ] Wall/Partition
- [ ] Separated by twenty feet
- [ ] Approved cabinets
- [ ] Other : _____

4. **Secondary Containment**

- [ ] Approved cabinet
- [ ] Tray
- [ ] Bermed, coated floor
- [ ] Secondary drums
- [ ] Vaulted tank
- [ ] Double wall tank
- [ ] None
- [ ] Other: ORIGINAL Container

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : DRY WAREHOUSE **Map location:** A-104 MAP C

1. **Storage Type**

- [X] Original containers
- [ ] Inside closed machinery
- [ ] Inside open machinery
- [ ] 55 gal drums or storage shed
- [ ] Pressurized vessel
- [ ] Safety cans
- [ ] Bulk tank
- [ ] Outside barrels
- [ ] Other:

2. **Storage Location**

- [X] Inside building
- [ ] Outside building

3. **Separation**

- [X] All materials compatible
- [ ] One hour separation
- [ ] Wall/Partition
- [ ] Separated by twenty feet
- [ ] Approved cabinets
- [ ] Other : _____

4. **Secondary Containment**

- [ ] Approved cabinet
- [ ] Tray
- [ ] Bermed, coated floor
- [ ] Secondary drums
- [ ] Vaulted tank
- [ ] Double wall tank
- [ ] None
- [X] Other: ORIGINAL Containers

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : Dry WAREHOUSE **Map location:** A-106 MAP C

1. **Storage Type**

- [X] Original containers
- [ ] Inside closed machinery
- [ ] Inside open machinery
- [ ] 55 gal drums or storage shed
- [ ] Pressurized vessel
- [ ] Safety cans
- [ ] Bulk tank
- [ ] Outside barrels
- [ ] Other:

2. **Storage Location**

- [X] Inside building
- [ ] Outside building

3. **Separation**

- [X] All materials compatible
- [ ] One hour separation
- [ ] Wall/Partition
- [ ] Separated by twenty feet
- [ ] Approved cabinets
- [ ] Other : _____

4. **Secondary Containment**

- [ ] Approved cabinet
- [ ] Tray
- [ ] Bermed, coated floor
- [ ] Secondary drums
- [ ] Vaulted tank
- [ ] Double wall tank
- [ ] None
- [X] Other: ORIGINAL CONTAINERS

Separation and Containment

For *each* storage location, complete the following page:

Name of storage location : DRY WAREHOUSE **Map location:** A-110 MAP C

1. Storage Type

- X Original containers
- ___ Inside closed machinery
- ___ Inside open machinery
- ___ 55 gal drums or storage shed
- ___ Pressurized vessel
- ___ Safety cans
- ___ Bulk tank
- ___ Outside barrels
- ___ Other:

2. Storage Location

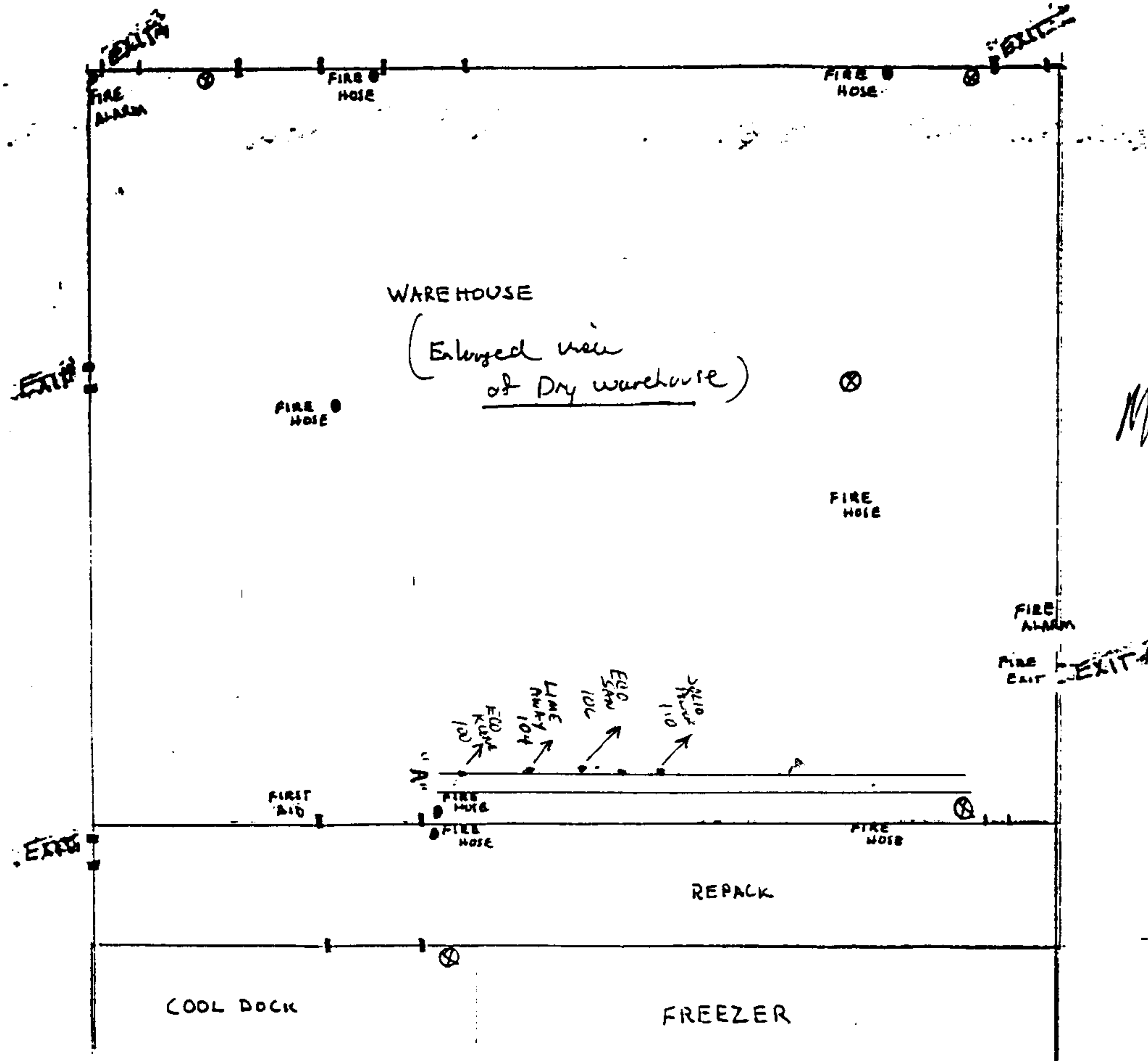
- X Inside building
- ___ Outside building

3. Separation

- X All materials compatible
- ___ One hour separation
- ___ Wall/Partition
- ___ Separated by twenty feet
- ___ Approved cabinets
- ___ Other : _____

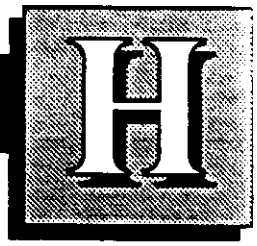
4. Secondary Containment

- ___ Approved cabinet
- ___ Tray
- ___ Bermed, coated floor
- ___ Secondary drums
- ___ Vaulted tank
- ___ Double wall tank
- ___ None
- X Other: ORIGINAL CONTAINERS


EXIT
FIRE ALARM
FIRE HOSE
FIRE HOSE
EXIT
WAREHOUSE
(Enlarged view of Dry warehouse)
EXIT
FIRE HOSE
FIRE HOSE
FIRE ALARM
FIRE EXIT
EXIT
"A"
FIRST AID
FIRE HOSE
FIRE HOSE
FIRE HOSE
EXIT
REPACK
COOL DOCK
FREEZER

MAP C

Inspections and Record Keeping



Instructions

Inspections must be conducted at appropriate frequencies to ensure that the equipment, systems and storage areas associated with your hazardous materials are in good condition and do not present a danger to your facility or the environment. Inspections should address:

- Hazardous materials storage and use areas
- Safety and emergency equipment
- Security systems
- Monitoring equipment

In some cases, a log or checklist is needed to ensure that the inspections are being conducted. The Fire Department will notify you when inspections or maintenance must be documented to satisfy Fire Department requirements. In all cases documented inspections and maintenance must be provided for:

- Gas monitors
- Self-contained breathing apparatus
- Level A chemical resistant suits
- Storage tanks over 100 gallons (except those containing oil or waste oil)

The log or checklist must be maintained for at least three (3) years. Page 16 contains a model form for your use. If you are required to document inspections and maintenance, attach a copy of your logs or checklists and inspector instructions.

The Inspection Checklist or Log should include:

1. Area/item being inspected
2. Date and time of inspections
3. Date of any corrective actions
4. Condition of area being inspected
5. Location, description and cause of problems
6. Name of inspector
7. Counter signature of safety officer

Inspection and maintenance documentation is:

____ Not required

✓ Attached

FUEL TANK INSPECTIONS

Date Tank Repairs Insp. By Mgr Repairs Completed 1995

2/23	1		ott	EJ	
2/23	2		ott	EJ	
2/23	3		ott	EJ	
2/24	1		ott	EJ	
2/24	2		ott	EJ	
2/24	3		ott	EJ	
2/27	1		ott	EJ	
2/27	2	Top Broken	ott	EJ	Parts on Order — 2/27
2/27	3		ott	EJ	
2/28	1				
2/28	2				
2/28	3				

Comments:

Hazardous Materials Use/Handling/Processes

I

Use this form to describe how hazardous materials are used, handled or processed for purposes specific to the operation of the business. Describe in a narrative form. Materials used for the same purpose can be listed together.

Name: Ed John / Proficient Food Co Address: 5675 Sond Blvd Pleas. CA 94566
Maintenance Dept

Chemical Name	Description of Use/Handling/Process
Anti-Freeze	Used as coolant in Large Trucks, manually installed, recycled thru. Evergreen
Used Batteries	Used in equipt., power source, all are maint free-No caps, recycled thru Delco
Used oil	Used in equipt, manually handled, recycled thru. Evergreen
Used oil filters	Used in equipt, manually handled, recycled thru Evergreen
Used Absorbent	Used to pick up minor spillage, manually handled, recycled thru. Evergreen
New oil	Used in equipt, manually handled,
Freon 12	used in our refrigerated trailers, handled by recovery machine & recycled
Fleet Treat I	used as fuel additive, gloves & protective equipt, consumed w/ fuel usage

Hazardous Materials Use/Handling/Processes

I

Use this form to describe how hazardous materials are used, handled or processed for purposes specific to the operation of the business. Describe in a narrative form. Materials used for the same purpose can be listed together.

Name: PROFICIEN FOOD CO Address: 5675 Sunol BLVD.

Cooling Towers.

Chemical Name	Description of Use/Handling/Process
NP40	WATER DESCALER / MANUALY / PUMPED INTO TOWER
NP 45M	DESCALER / manualy / PUMPED INTO TOWER
AQUA PLUS	TREATMENT + DESCALER / automatically MANUALY / PUMPED into TOWER
QUEST II	Descaler / manualy / Pumped into Tower

Hazardous Materials Use/Handling/Processes

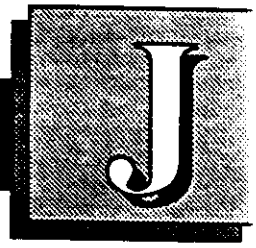
I

Use this form to describe how hazardous materials are used, handled or processed for purposes specific to the operation of the business. Describe in a narrative form. Materials used for the same purpose can be listed together.

Name: PROFICIENT FOOD Co. Address: 5675 SUNOL BLVD.
Warehouse

Chemical Name	Description of Use/Handling/Process
HEAVY DUTY ECO-KLENE	FOR AUTOMATIC DISHMACHINE / DISTRIBUTION ONLY / RESTURANT
LIME-A-WAY	DESCALES Used FOR SINKS / FOR DISTRIBUTION ONLY / RESTURANT
ECO-SAN	SANITIZES Restrooms / FOR DISTRIBUTION ONLY / RESTURANT
SOLID POWER	FOR AUTOMATIC DISHMACHINE / DISTRIBUTION ONLY / RESTURANT

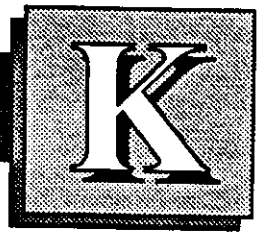
Material Safety Data Sheets



Attach copies of the Material Safety Data Sheets (MSDS) for the materials listed in the Hazardous Materials Inventory. Arrange them in the same order as they appear in the Hazardous Materials Inventory. Do not attach MSDS(s) for pure chemicals like oxygen, nitrogen, propane, sulfuric acid, hydrochloric acid, sodium hydroxide or for gasoline, diesel, motor oil and antifreeze unless specifically requested to do so.

Attached [✓]

Acutely Hazardous Materials Registration Form

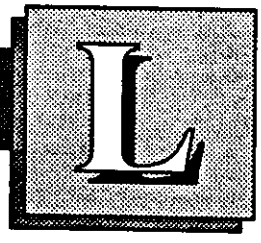


Attach a copy of your Acutely Hazardous Materials Registration Form (a list of acutely hazardous materials is attached as Appendix A) showing all acutely hazardous materials on site.

Attached [ ]

No acutely hazardous materials on site [✓]

Hazardous Waste Minimization & Reduction Document



A new section of the Uniform Fire Code has recently been added which requires information about hazardous waste wastestreams and reduction/minimization activities. Complete the form for your hazardous wastestreams.

Do not produce hazardous wastes [✓]

Completed Waste Minimization/Reduction form(s) [ ]

(Make additional copies if you have more than one wastestream)

MAINTENANCE DEPT.

HYDROTEX, INC.
P.O. Box 560707
Dallas, TX 75356
Telephone No. 800-527-9439
Emergency No. 214-393-1943

MATERIAL SAFETY DATA SHEET

Pat deLarios - Preparer
Issue Date: 1-10-94

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: FLEET TREAT I

PRODUCT TYPE: Fuel Conditioner

CHEMICAL NAME: Not Applicable - Mixture

CHEMICAL FORMULA: Not Applicable - Mixture

HMIS		LEGEND
Health	1	
Flammability	2	
Reactivity	0	4 = Extreme
		3 = High
NFPA		2 = Moderate
Health	1	1 = Slight
Flammability	2	0 = Insignificant
Reactivity	0	

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

CHEMICAL NAME/IDENTITY	CAS #	OSHA PEL	ACGIH TLV	%
Petroleum Aliphatic Hydrocarbon	64742-81-0	100 ppm	200 ppm	
Flammable Liquid Solvent	Proprietary	100 ppm	75 ppm	

This product is classified as hazardous due to its flammability. The individual components are not known carcinogens and the product is not considered toxic. Its formulation is a trade secret, as allowed per OSHA 20 CFR 1910.1200 (i). It does not contain any chemicals listed in Sections 311, 312 & 313 of SARA Title III regulations.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	226°F	**Specific Gravity (H_20=1)**	.90
Vapor Pressure (mm Hg. @ 20°C)	<2	**Melting Point**	N/A
Vapor Density (AIR=1)	Not determined	**Evaporation Rate (Butyl Acetate=1)**	200x slower
pH	N/A	**Odor**	Hydrocarbon/Solvent
Solubility in Water	NIL	**Appearance**	Clear liquid

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) 125°F (T.C.C.)

Flammable Limits: LEL: 0.7 UEL: 5.0

Extinguishing Media: Halon, dry chemical, foam, CO_2, and water mist or fog

Special Fire Fighting Instructions: Cool containers exposed to heat with water spray. Avoid breathing smoke or vapor. Wear self-contained breathing apparatus when fire fighting in confined space.

Unusual Fire and Explosion Hazards: Expansion of over-heated containers may cause explosion hazard.

FLEET TREAT 1

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** Open Flame

Incompatibility (Materials to Avoid): Strong Oxidizers

Hazardous Decomposition Byproducts: Carbon Monoxide, Carbon Dioxide, Oxides of Nitrogen, Fumes

Hazardous Polymerization: Will not occur

SECTION VI - HEALTH INFORMATION AND PROTECTION

NATURE OF HAZARD

EYE CONTACT:
May cause temporary irritation and redness. No permanent injury expected.

SKIN CONTACT:
Frequent or prolonged contact may irritate and cause dermatitis. Occasional brief contact will not result in significant irritation. Skin contact may aggravate an existing dermatitis condition.

INHALATION:
High vapor concentrations (greater than 1,000 ppm) may be irritating to respiratory passages. Prolonged exposure may cause headaches, dizziness, nausea, or narcosis.

INGESTION:
Harmful or fatal if swallowed. Pulmonary aspiration hazard if swallowed and vomiting occurs.

CHRONIC EFFECTS OF OVEREXPOSURE: None Known

FIRST AID

EYE CONTACT:
Flush eyes with large amounts of water until irritation subsides. If irritation persists, seek medical attention.

SKIN CONTACT:
Wash thoroughly with soap and water. Remove grossly contaminated clothing and launder before reuse.

INHALATION:
Remove affected person to fresh air. If symptoms of overexposure persist, seek medical attention.

INGESTION:
If swallowed, do not induce vomiting. Do not give liquids. Seek medical attention.

WORKPLACE EXPOSURE LIMITS

OSHA REGULATION 20 CFR 1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE EXPOSURE:
8 hour TWA of $5mg/m^3$. STEL of $5mg/m^3$.

ACGIH: TLV of $10mg/m^3$.

FLEET TREAT 1

SECTION VI - HEALTH INFORMATION AND PROTECTION (cont.)

PRECAUTIONS/EXPOSURE CONTROL INFORMATION

SPECIAL PRECAUTIONS:

Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

PERSONAL PROTECTION:

Where contact is likely, wear long sleeves and chemical resistant gloves. Where eye contact may occur, wear safety glasses with side shields. Where concentrations in air may exceed stated limits and there is inadequate ventilation, NIOSH/MSHA approved organic vapor respirators may be necessary. Mechanical ventilation recommended in case of spills in confined areas to maintain concentrations below exposure levels.

SECTION VII - ENVIRONMENTAL PROTECTION

Spills or Leaks:

Ventilate area if ventilation inadequate. Remove sources of ignition. Contain spills with dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with absorbents. Large spills may be taken up with pump or vacuum. Use non-flammable absorbents for residue.

Disposal Method:

This product is not regulated by CERCLA/RCRA as a hazardous waste or material. Dispose of recovered material or absorbent material as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state and federal regulations.

SECTION VIII - REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):

HAZARD CLASS: Combustible liquid, N.O.S.
DOT IDENTIFICATION NO.:

TSCA:

The ingredients of this product are listed on the TSCA Inventory.

CERCLA:

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act. We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III:

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:
Not Hazardous
This product does not contain Section 313 Reportable ingredients.

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available the space must be marked to indicate that.
HYFILM PLUS SAE 10, 20, 30, 40, 15w40, and 50	

Section I (New oil)

Manufacturer's Name Hydrotex, Inc.	Emergency Telephone Number (214) 638-7400
Address (Number, Street, City, State and ZIP Code) P.O. Box 47707	Telephone Number for Information (214) 638-7400
DALLAS, TEXAS 75247	Date Prepared 3-19-87
	Signature of Preparer (optional) ----------

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Severely Solvent Regined Mineral Oil	N/A	5mg/cu.m.air(mist)	N/A	--------

Section III — Physical/Chemical Characteristics

Boiling Point	550-700°F	Specific Gravity (H_2O = 1)	.9
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water
NIL

Appearance and Odor
AMBER LIQUID, SLIGHT ODOR

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
360-495°F C.O.C.	N/A		

Extinguishing Media
Dry Chemical, Carbon Dioxide, Foam, and Water Spray.

Special Fire Fighting Procedures
Cool containers exposed to heat with Water Spray.

Unusual Fire and Explosion Hazards
Expansion of over heated containers may cause explosion hazard .

Section V — Reactivity Data

Stability			Conditions to Avoid
	Unstable		*Open Flame*
	Stable	*X*	

Incompatibility (*Materials to Avoid*) *Strong Oxidants*

Hazardous Decomposition or Byproducts
Oxides of Sulfur, Nitrogen, Phosphorus, and Carbon.

Hazardous Polymerization			Conditions to Avoid
	May Occur		*None*
	Will Not Occur	*X*	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? | Skin? *X* | Ingestion? *X*

Health Hazards (*Acute and Chronic*)

ACUTE: Eyes-Irritation *Ingestion-Cathartic Effect*

CHRONIC: Skin-Irritation, Dermatitis

Carcinogenicity: NTP? *NO* | IARC Monographs? *NO* | OSHA Regulated? *NO*

Signs and Symptoms of Exposure

SEE HEALTH HAZARDS ABOVE.

Medical Conditions Generally Aggravated by Exposure

UNKNOWN

Emergency and First Aid Procedures *Eyes-Flush with large amounts of water. If irritation persists, seek medical attention. Ingestion-If cathartic effect persists, seek medical attention. Inhalation-None Skin-Wash off with soap and water. If irritation persists, seek medcical attention.*

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
Contain material and transfer to a waste container. Absorb residue with absorbant material, scoop up and dispose in accordance with all applicable Federal, State and Local Regulations.

Waste Disposal Method
Landfill, Incineration, or any method approved by Local, State, and Federal Regulations.

Precautions to Be Taken in Handling and Storing

Store away from open flame and strong oxidants.

Other Precautions

NONE

Section VIII — Control Measures

Respiratory Protection (Specify Type) *NONE REQUIRED*

Ventilation		
NONE REQUIRED	Local Exhaust	Special
	Mechanical (General)	Other

Protective Gloves *PLASTIC* | Eye Protection *SAFETY GLASSES*

Other Protective Clothing or Equipment *NONE*

Work/Hygienic Practices *NONE*

Du Pont Chemicals

2022FR | Revised 1-DEC-1992 | Printed 7-JAN-1994

"FREON" 12

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

 # Material Identification
"FREON" is a registered trademark of DuPont.

Corporate MSDS Number	DU001065
Formula	CCl2F2

Tradenames and Synonyms
CC0112

Company Identification
MANUFACTURER/DISTRIBUTOR
Du Pont
1007 Market Street
Wilmington, DE 19898

PHONE NUMBERS

Product Information	1-800-441-9442
Transport Emergency	CHEMTREC: 1-800-424-9300
Medical Emergency	1-800-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
*	75-71-8	
METHANE, DICHLORODIFLUORO- ("FREON" 12)		100

* Regulated as a Toxic Chemical under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

(Continued)

HAZARDS IDENTIFICATION

Potential Health Effects

Inhalation of high concentrations of vapor is harmful and may cause heart irregularities, unconsciousness, or death. Intentional misuse or deliberate inhalation may cause death without warning. Vapor reduces oxygen available for breathing and is heavier than air. Liquid contact can cause frostbite. May cause eye irritation.

HUMAN HEALTH EFFECTS:

Human health effects of overexposure by eye contact with the vapor may include eye irritation with discomfort, tearing, or blurring of vision. Skin contact with the liquid may cause frostbite. Inhalation of the vapors may cause temporary nervous system depression with anesthetic effects such as dizziness, headache, confusion, incoordination, and loss of consciousness; temporary alteration of the heart's electrical activity with irregular pulse, palpitations, or inadequate circulation, or the effects of exclusion of oxygen with grossly excessive exposures.

Individuals with preexisting diseases of the central nervous or cardiovascular system may have increased susceptibility to the toxicity of excessive exposures.

Carcinogenicity Information
None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

INHALATION
If high concentrations are inhaled, immediately remove to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT
In case of contact, flush skin with water. Treat for frostbite if necessary by gently warming affected area.

EYE CONTACT
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION
Ingestion is not considered a potential route of exposure.

(Continued)

FIRST AID MEASURES(Continued)

Notes to Physicians
Because of a possible disturbance of cardiac rhythm, catecholamine drugs, such as epinephrine, should only be used with special caution in situations of emergency life support.

FIRE FIGHTING MEASURES

 # Flammable Properties

Flash Point	Will not burn
Flammable limits in Air, % by Volume	
LEL	Not applicable
UEL	Not applicable
Autoignition	>750 C (>1382 F)

Fire and Explosion Hazards:

Cylinders may rupture under fire conditions. Decomposition may occur.

Extinguishing Media
As appropriate for combustibles in area.

 # Fire Fighting Instructions
Use water spray or fog to cool containers. Self-contained breathing apparatus (SCBA) is required if cylinders rupture and contents are released under fire conditions.

ACCIDENTAL RELEASE MEASURES

 # Safeguards (Personnel)
NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Accidental Release Measures
Ventilate area, especially low or enclosed places where heavy vapors might collect. Remove open flames. Use self-contained breathing apparatus (SCBA) for large spills.

HANDLING AND STORAGE

Handling (Personnel)
Use with sufficient ventilation to keep employee exposure below recommended limits.

Storage
Clean, dry area. Do not heat above 52 deg C (125 deg F).

(Continued)

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls
Normal ventilation for standard manufacturing procedures is generally adequate. Local exhaust should be used when large amounts are released. Mechanical ventilation should be used in low or enclosed places.

 # Personal Protective Equipment
Impervious gloves and chemical splash goggles should be used when handling liquid. Under normal manufacturing conditions, no respiratory protection is required when using this product. Self-contained breathing apparatus (SCBA) is required if a large release occurs.

Exposure Guidelines
Applicable Exposure Limits

METHANE, DICHLORODIFLUORO- ("FREON" 12)	
PEL (OSHA)	1,000 ppm, 4,950 mg/m3, 8 Hr. TWA
TLV (ACGIH)	1,000 ppm, 4,950 mg/m3, 8 Hr. TWA
AEL * (Du Pont)	None Established

* AEL is Du Pont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point	-29.8 C (-21.6 F)
Vapor Pressure	94.5 psia at 25 deg C (77 deg F)
Vapor Density	4.26 (Air = 1.0) at 25 deg C (77 deg F)
% Volatiles	100 WT%
Solubility in Water	0.028 WT% @ 25 C (77 F) at 1 atm
pH	Neutral
Odor	Slight ethereal
Form	Liquified gas
Color	Clear, colorless
Density	1.315 g/cc at 25 deg C (77 deg F) - Liquid

STABILITY AND REACTIVITY

Chemical Stability
Material is stable. However, avoid open flames and high temperatures.

Incompatibility with Other Materials
Incompatible with alkali or alkaline earth metals- powdered Al, Zn, Be, etc.

Polymerization
Polymerization will not occur.

(Continued)

STABILITY AND REACTIVITY (Continued)

Other Hazards

Decomposition : Decomposition products are hazardous. "FREON" 12 can be decomposed by high temperatures (open flames, glowing metal surfaces, etc.) forming hydrochloric and hydrofluoric acids, and possibly carbonyl halides.

TOXICOLOGICAL INFORMATION

Animal Data

Inhalation 30-minute LC50: 800,000 ppm in rats
Oral ALD : >1,000 mg/kg in rats

Effects in animals from single high exposure by inhalation include anesthesia and irregular heartbeat (cardiac arrythmias). Repeated inhalation exposures produced altered respiratory function. Long-term studies showed no significant clinical, blood chemistry or pathological effects following repeated exposures. The effects in animals from long-term ingestion of this material include slight alterations in blood chemistry and body weight gain. No other clinical, biochemical or pathological signs of toxicity have been observed.

Tests in animals demonstrate no carcinogenic activity and no developmental or reproductive toxicity. The compound does not produce heritable genetic damage in animals or genetic damage in bacterial and mammalian cell cultures.

DISPOSAL CONSIDERATIONS

Waste Disposal

Comply with Federal, State, and local regulations. Reclaim by distillation or remove to a permitted waste facility.

TRANSPORTATION INFORMATION

 # Shipping Information

DOT/IMO

Proper Shipping Name	DICHLORODIFLUOROMETHANE
Hazard Class	2.2
UN No.	1028
DOT/IMO Label	NONFLAMMABLE GAS

Shipping Containers

Tank Cars.

Cylinders
Ton Tanks
Reportable Quantity : 5,000 lbs./2,270 kg.

(Continued)

REGULATORY INFORMATION

U.S. Federal Regulations
TSCA Inventory Status Reported/Included.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes
Chronic : No
Fire : No
Reactivity : No
Pressure : Yes

LISTS:

Extremely Hazardous Substance	-No
CERCLA Hazardous Substance	-Yes
Toxic Chemicals	-Yes

OTHER INFORMATION

NFPA, NPCA-HMIS
NPCA-HMIS Rating

Health	1
Flammability	0
Reactivity	1

Personal Protection rating to be supplied by user depending on use conditions.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS W. J. Brock
Address Du Pont Chemicals
P. O. Box 80709, Chestnut Run
Wilmington, DE 19880-0709

# Indicates updated section.

End of MSDS

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY *(As Used on Label and List)*
STA-CLEAN ANTIFREEZE™

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name STA-CLEAN PRODUCTS, INC.	**Emergency Telephone Number** (805) 836-8652
Address *(Number, Street, City, State, and ZIP Code)* 2229 COY AVENUE	**Telephone Number for Information** (805) 836-8652
BAKERSFIELD CA 93307	**Date Prepared** 1/1/93
	Signature of Preparer *(optional)*

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
PROPYLENE GLYCOL HAZARD: NONE	NONE	NONE	NONE	97%
CAS # 57-55-6				

Anti-freeze
12/14/93

Section III — Physical/Chemical Characteristics

NA = NOT APPLICABLE

Boiling Point 760 mm Hg, 101.325 kPa	369°F	**Specific Gravity (H_2O = 1)** At 20/20°C	1.038
Vapor Pressure (mm Hg.)	0.04	**Melting Point**	NA
Vapor Density (AIR = 1)	2.6	**Evaporation Rate** (Butyl Acetate = 1)	0.005

Solubility in Water
100%

Appearance and Odor
YELLOW-GREEN LIQUID ODORLESS

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) TAG CLOSED CUP	214°F	**Flammable Limits** In Air, % by Volume	**LEL** 2.6	**UEL** 12.5

Extinguishing Media
ALCOHOL-TYPE OR ALL-PURPOSE TYPE FOAM

Special Fire Fighting Procedures
NONE

Unusual Fire and Explosion Hazards
NONE

Section V — Reactivity Data

Stability			Conditions to Avoid
	Unstable		
	Stable	X	NONE

Incompatibility (*Materials to Avoid*)

NONE

Hazardous Decomposition or Byproducts

BURNING CAN PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE.

Hazardous Polymerization			Conditions to Avoid
	May Occur		
	Will Not Occur	X	NONE

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? NONE — Skin? SEE BELOW — Ingestion? NONE

Health Hazards (*Acute and Chronic*)

NONE

Carcinogenicity: NTP? NO — IARC Monographs? NO — OSHA Regulated? NO

Signs and Symptoms of Exposure

CONTACT WITH BARE SKIN MAY CAUSE MINIMUM IRRITATION.

CONTACT WITH EYES MAY CAUSE SLIGHT EYE IRRITATION.

Medical Conditions Generally Aggravated by Exposure NONE

Emergency and First Aid Procedures

SKIN - WASH WITH WATER. INHALED-REMOVE TO FRESH AIR. EYES-FLUSH WITH WATER FOR 15 MINUTES. SWALLOWED-DRINK 2 GLASSES OF WATER, INDUCE VOMITING AND SEEK MEDICAL ATTENTION.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

SMALL SPILLS SHOULD BE FLUSHED WITH LARGE QUANTITIES OF WATER.

LARGE SPILLS SHOULD BE COLLECTED FOR DISPOSAL.

Waste Disposal Method

INCINERATE RAGS IN A FURNACE WHERE PERMITTED UNDER APPROPRIATE FEDERAL, STATE AND LOCAL REGULATIONS.

Precautions to Be Taken in Handling and Storing

AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. WASH THOROUGHLY AFTER HANDLING

NEVER USE WELDING OR CUTTING TORCH ON OR NEAR EMPTY DRUM.

Other Precautions

LABORATORY STUDIES INDICATE THAT PROPYLENE GLYCOL IS READILY BIODEGRADABLE IN A BIOLOGICAL WASTEWATER TREATMENT PLANT.

Section VIII — Control Measures

Respiratory Protection (*Specify Type*)

NONE

Ventilation			
	Local Exhaust: GENERAL ROOM VENTILATION	Special: NONE	
	Mechanical (General): GENERAL ROOM VENTILATION	Other: NONE	

Protective Gloves: RUBBER OR PLASTIC — Eye Protection: SAFETY GLASSES OR GOGGLES

Other Protective Clothing or Equipment: WEAR LONG SLEEVED SHIRT, TROUSERS AND SAFETY SHOES.

Work/Hygienic Practices: USE NORMAL GOOD WORK/HYGIENIC PRACTICES

* U.S.G.P.O.: 1986-491-529/45775

Att: Terry Young

GENERAL MOTORS CORPORATION
MATERIAL SAFETY DATA SHEET

(P) ALL MODELS OF DELCO BATTERIES

SECTION 0 — EFFECTIVE DATE
1 - > Effective Date: 112486
2 - > MSDS Signed by: ROBERT A. CHISMAN
3 - > Title: SENIOR INDUSTRIAL HYGIENIST

SECTION 1 — SHIPPING INFORMATION
1 - > Chemical Family: LIQUID CONTENT - SULFURIC ACID
2 - > Formula: LIQUID CONTENT - H2SO4

(P)MID: #550265
DELCO REMY DIV, GMC ANDERSON OPERATIONS
DUNS Account #: 00-003-5001
Emergency telephone #: 313/556-1597 OR 5200
2401 COLUMBUS AVE
P.O. BOX 840
ANDERSON, IN 46011

Shipping Name: BATTERY,ELECTRIC STORAGE,WET,FILLED WITH ACID
Hazard Class: Corrosive Material
U.N. Code: UN2794
Flash Point: NA

SECTION 2 — INGREDIENTS

CAS-		Formulation	Chemical Name
007664939	=	37% BY VOL	Sulfuric acid
007732185			Balance Water
007439921	>	90% BY VOL	Lead

SECTION 3 — PHYSICAL DATA
1 - > Boiling Point: 233F
2 - > Specific Gravity: VARIES WITH BATTERY SIZE: AVERAGE 1.027-1.029
3 - > Vapor Pressure: 15 MM HG @ 77F/25C
4 - > % Volatile by Volume: Not Provided
5 - > % Solid by Weight: Not Provided
6 - > Vapor Density: Not Provided
7 - > Evaporation Rate: Not Provided
8 - > Solubility in H2O: MISCIBLE
9 - > pH: < 1.0
10 - > Appearance & Odor: WATER-WHITE LIQUID (ACID CONTENT)
11 - > State: SOLID

SECTION 4 — FIRE AND EXPLOSION DATA
1 - > Flammable Limits - LEL: NA
2 - > Flammable Limits - UEL: NA
3 - > Extinguishing Media: Not Provided
4 - > Special Fire Fighting Procedures: RECOMMENDED SELF-CONTAINED BREATHING APPARATUS IF BATTERIES ARE INVOLVED IN FIRE DUE TO TOXIC FUMES FROM BURNING PLASTIC AND ACID FUMES AND VAPORS.
5 - > Unusual Fire & Explosion Hazards: WHILE BATTERIES ARE BEING CHARGED, HYDROGEN GAS IS GENERATED. AVOID OPEN FLAMES, SPARKS, OR LIGHTED MATCHES. ACID POWERFUL OXIDIZER. CAN IGNITE UPON CONTACT WITH COMBUSTIBLES

SECTION 5 — HEALTH HAZARD DATA
1 - > Effects of Overexposure: CONTACT WITH SULFURIC ACID RESULTS IN RAPID DESTRUCTION OF BODY TISSUE (BURNS).
2 - > Threshold Limit Value: 1 MG/M3
3 - > Permissible Exposure Limit: Not Provided
4 - > Other Limit: Not Provided
5 - > Primary routes of entry: INHALATION
6 - > Emergency First Aid Procedures: INHALATION: DO NOT EXCEED 1 MG/M3 TWA. REMOVE TO FRESH AIR. GET MEDICAL ATTENTION. EYE OR SKIN CONTACT: FLUSH WITH LARGE VOLUMES OF WATER. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE MILK MIXED WITH EGG WHITES IF CONSCIOUS. GET MEDICAL ATTENTION.

SECTION 6 — REACTIVITY DATA
1 - > Stable: YES
2 - > Conditions to Avoid: OXIDIZING OR REDUCING MATERIALS.
3 - > Incompatible Materials: WHEN HEATED, CAN EMIT HIGHLY TOXIC FUMES.
4 - > Hazardous Decomposition Products: Not Provided
5 - > Can Hazardous Polymerization Occur: NO
6 - > Conditions to Avoid: Not Provided

SECTION 7 — SPILL OR LEAK PROCEDURES
1 - > Steps to be taken in case material is released or spilled: LIME OR SODA MAY BE USED TO NEUTRALIZE AND/OR FLUSH WITH LARGE VOLUMES OF WATER.
2 - > Waste Disposal Method: ACCORDING TO LOCAL STATE AND FEDERAL REGULATIONS FOR ACID OR LEAD SCRAP.
3 - > CERCLA (Superfund) Reportable quantity (lbs): Not Provided
4 - > RCRA Hazardous Waste No. (40 CFR 261.33): Not Provided
5 - > Volatile Organic Compound (VOC) Theoretical: Not Provided
6 - > Volatile Organic Compound (VOC) Analytical: Not Provided

SECTION 8 — SPECIAL PROTECTION INFORMATION
1 - > Respiratory Protection: USE NIOSH APPROVED RESPIRATORY PR... MG/M3 TWA IS EXCEEDED (ACID)
2 - > Local Exhaust: YES - AT CHARGING STATIONS
3 - > Special: Not Provided
4 - > Mechanical: Not Provided
5 - > Other: Not Provided
6 - > Protective Gloves (Specify type): RUBBER GLOVES
7 - > Eye Protection (Specify type): SPLASH - PROOF SAFETY GOGGLES
8 - > Other Protective Equipment: USE RUBBER BOOTS AND ACID-PROO... FOR MAJOR SPILLS.

SECTION 9 — SPECIAL PRECAUTIONS
1 - > Precautions to be taken in Handling & Storage: AVOID SKIN CONTA... CHARGING BATTERIES. AVOID PLACING IN AREAS WHERE HYDROGEN CAN BE... PLACE NEAR OPEN FLAMES, SPARKS, OR LIGHTED MATCHES.
2 - > Other Precautions: ADDITIONAL INFORMATION - CASE AND COVE... YLENE (PLASTIC). SEPARATOR MANUFACTURED BY W.R. GRACE COMPAN... HAYDEN AVENUE, LEXINGTON, MA. 02173.

GENERAL MOTORS CORPORATION
MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME OR NUMBER (as it appears on label) All models of Delco batteries	GM COMMON CODE
MANUFACTURER'S NAME Delco Remy Division, GMC	EMERGENCY TELEPHONE NO.
ADDRESS (Number, Street, City, State and Zip Code) 2401 Columbus Avenue, Anderson, IN 46018	MANUFACTURER'S D-U-N-S NO.
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) Battery, Electric Storage, Wet - Corrosive, Class 8 - UN2794	
ADDITIONAL HAZARD CLASSES (as applicable)	
CHEMICAL FAMILY Liquid content - Sulfuric acid	FORMULA Liquid content - H_2SO_4

SECTION II — INGREDIENTS
(list all ingredients)

CAS REGISTRY NO.	%W	%V	CHEMICAL NAME(S)	Listed as a Carcinogen in NTP, IARC or OSHA 1910(d) (specify)
7664939		37	Sulfuric acid	N/A
7732185		Bal	Water	N/A
7439921		>90	Lead	N/A
			Separator: Polyethylene	
			Case and Cover: Polypropylene (Plastic)	

SECTION III — PHYSICAL DATA

BOILING POINT 223°F °C		SPECIFIC GRAVITY (H_2O = 1) Varies with batt. size		Average 1.280 +/- .01	
VAPOR PRESSURE @ 77 °F 25 °C 2.730 mm Hg psi		PERCENT VOLATILE BY VOLUME (%)	N/A	PERCENT SOLID BY WEIGHT (%)	N/A
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE (= 1)	N/A		
SOLUBILITY IN WATER Miscible		pH =	<1.0		
APPEARANCE AND ODOR				IS MATERIAL: LIQUID SOLID GAS PASTE POWDER	

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLASH POINT N/A °F °C	method used	FLAMMABLE LIMITS	LEL N/A	UEL N/A
EXTINGUISHING MEDIA				
SPECIAL FIRE FIGHTING PROCEDURES Recommended self-contained breathing apparatus if batteries are involved in fire. Toxic fumes from burning plastic, acid fumes and vapors can occur.				
UNUSUAL FIRE AND EXPLOSION HAZARDS While batteries are being charged, hydrogen gas is generated. Avoid open flame, sparks or lighted matches. Acid, an oxidizer, can ignite combustibles upon contact.				

EFFECTS OF OVEREXPOSURE — Conditions to Avoid	THRESHOLD LIMIT VALUE [ ] = 1mg/m sulfuric acid PERMISSIBLE EXPOSURE LIMIT [ ] OTHER LIMIT [ ]
Contact with sulfuric acid is harmful to body tissue (burns)	
PRIMARY ROUTES OF ENTRY Inhalation [ ] Skin Contact [X] Other (specify) Ingestion	
EMERGENCY AND FIRST AID PROCEDURES Do not exceed 1 mg/m3 TWA. Remove to fresh air. Get medical attention. Ingestion: Do not induce vomiting. Give milk mixed with egg whites, if conscious.	

SECTION VI-REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (materials to avoid) Oxidizing or reducing materials			
HAZARDOUS DECOMPOSITION PRODUCTS: When heated, can emit highly toxic fumes			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Lime or soda-type compounds may be used to neutralize and/or flush with large volumes of water. Contain spill.	
WASTE DISPOSAL METHOD According to local state and federal regulations for lead scrap or acid.	
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs) 1,000 lbs	
RCRA HAZARDOUS WASTE NO. (40 CFR 261.33) D002	
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water) N/A	
[X] Theoretical 4 lb/gal	[ ] Analytical N/A lb/gal

SECTION VIII-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type) Use NIOSH approved respiratory protection if 1mg/m3 TWA is exceeded (acid)		
VENTILATION	LOCAL EXHAUST (Specify Rate) Yes at charging stations	SPECIAL N/A
	MECHANICAL (General) (Specify Rate)	OTHER N/A
PROTECTIVE GLOVES (specify type) Rubber	EYE PROTECTION (specify type) Splash-proof safety glasses	
OTHER PROTECTIVE EQUIPMENT Use rubber boots and acid-proof clothing for major spills		

SECTION IX-SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Avoid skin contact when charging batteries. Avoid placing in areas where hydrogen gas can build up. Do not place near open flames, sparks or lighted matches.
OTHER PRECAUTIONS Pay attention to labels on battery and cartons containing batteries.

Seller agrees not to assert any claim (other than a claim for a patent infringement) against General Motors Corporation for any use or disclosure of any technical data or information disclosed in connection with this questionnaire.

PLEASE COMPLETE QUESTIONNAIRE AND RETURN TO:	Name (print) Edward M. Kaminsk
	Signature Edward M. Kaminsk
	Title Manager-Materials Engineering
	Date 05/04/92

COOLING TOWERS

MATERIAL SAFETY DATA SHEET

NATIONAL CHEMICAL

DATE : 06/27/88 NP 40
SUPERSEDES: 11/19/85 PRODUCT NUMBER: 2184

SECTION I - EMERGENCY CONTACTS

SELIG CHEMICAL INDUSTRIES
3340 SELIG DRIVE, S.W.
ATLANTA, GA 30378
TELEPHONE (404)691-9220
BETWEEN 8:00A.M. - 5:00P.M.
EASTERN TIME ZONE

LOCAL POISON CONTROL CENTER TELEPHONE .....

TRANSPORTATION EMERGENCY
CHEMTREC TOLL-FREE 1-800-424-9300 ALL CALLS RECORDED
DISTRICT OF COLUMBIA (202)483-7616 ALL CALLS RECORDED

SECTION II - HAZARDOUS INGREDIENTS

		CAS	%
1	POLY[OXYETHYLENE(DIMETHYLIMINIO)ETHYLENE		10.0
2	(DIMETHYLIMINIO)ETHYLENE DICHLORIDE]		
3			
4			
5			
6			
7			
8			
9			
10			

SECTION III - PHYSICAL DATA

BOILING POINT (F) : 212
VAPOR PRESSURE (MMHG) : UNK
VAPOR DENSITY (AIR=1) : UNK
SOLUBILITY IN WATER : COMPLETE

SPECIFIC GRAVITY : 1.02
PERCENT VOLATILE BY VOLUME (%) : 90
EVAPORATION RATE (WATER =1) : 1
PH (CONCENTRATE) : 7
PH (USE DILUTION OF ---): 7

APPEARANCE & ODOR: CLEAR, COLORLESS, CHARACTERISTIC, MILD ODOR

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (F) (METHOD USED) NONE A BOIL (NA)
FLAMMABLE LIMITS LEL UNK UEL UNK
EXTINGUISHING MEDIA : NONE
SPECIAL FIRE FIGHTING: NONE
UNUSUAL FIRE HAZARDS : NONE

SECTION V - HEALTH HAZARD DATA

SYMPTOMS

SKIN : CAN BE IRRITATING UPON CONTACT.
EYES : IRRITATING UPON CONTACT.
INHALE: SLIGHT EFFECT SINCE LOW VOLATILITY.
INGEST: IRRITATING TO THROAT AND STOMACH

FIRST AID

SKIN : WASH WITH SOAP AND WATER.
EYES : FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES. CONSULT PHYSICIAN.
INHALE: MOVE TO FRESH AIR.
INGEST: RINSE MOUTH AND GIVE PLENTY OF WATER, FOLLOWED BY MILK, EGG WHITE OR GRUEL. DO NOT INDUCE VOMITING IMMEDIATELY SEEK MEDICAL ATTENTION.

TLV : NA

MATERIAL SAFETY DATA SHEET

NATIONAL CHEMICAL

DATE 06/27/88 NP 40
SUPERSEDES 11/19/85 PRODUCT NUMBER: 2184

SECTION VI - R E A C T I V I T Y D A T A

STABILITY	STABLE
INCOMPATIBILITY(AVOID)	ANIONIC MATERIAL
POLYMERIZATION	WILL NOT OCCUR

HAZARDOUS DECOMPOSITION:
NONE

SECTION VII - S P I L L A N D D I S P O S A L P R O C E D U R E S

STEPS TO BE TAKEN IN CASE MATERAIL IS RELEASED OR SPILLED
ABSORB ON AN ABSORBENT SUCH AS SELIG'S AP ABSORBENT AND PLACE IN A SEALED DRUM FOR DISPOSAL. CLEAN SPILL AREA WITH DETERGENT AND WATER.

WASTE DISPOSAL METHOD
PESTICIDE, SPRAY MIXTURE OR RINSATE THAT CAN NOT BE USED OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDES, OR BURIED IN A SAFE PLACE AWAY FROM WATER SUPPLIES. CONSULT YOUR LOCAL STATE AND FEDERAL GUIDELINES FOR APPROVED ALTERNATIVE PROCEDURES.

FEDERAL HAZARDOUS WASTE NUMBER(S) NA

SECTION VIII - S P E C I A L P R O T E C T I O N I N F O R M A T I O N

RESPIRATORY PROTECTION	NOT REQUIRED
VENTILATION	NO SPECIAL VENTILATION REQUIRED
PROTECTIVE CLOTHING	RUBBER OR NEOPRENE GLOVES
EYE PROTECTION	SAFETY GOGGLES

SECTION IX - S P E C I A L P R E C A U T I O N S

KEEP OUT OF REACH OF CHILDREN HARMFUL IF SWALLOWED.
AVOID CONTACT WITH SKIN AND EYES
AVOID CONTAMINATION OF FOOD

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH
BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

MATERIAL SAFETY DATA SHEET

NATIONAL CHEMICAL

DATE : 03/21/86 NP 45 M (524-3)
SUPERSEDES: PRODUCT NUMBER: 7210

SECTION I - E M E R G E N C Y C O N T A C T S

ATIONAL CHEMICAL.
940 SELIG DRIVE, S.W.
ATLANTA, GA. 30378
ELEPHONE (404)691-9292
ETWEEN 8:00A.M. - 5:00P.M.
(EASTERN TIME ZONE)

LOCAL POISON CONTROL CENTER TELEPHONE .....

TRANSPORTATION EMERGENCY
CHEMTREC: TOLL-FREE 1-800-424-9300 ALL CALLS RECORDED
DISTRICT OF COLUMBIA (202)483-7616 ALL CALLS RECORDED

ECTION II - H A Z A R D O U S I N G R E D I E N T S

		CAS	%
1	DISODIUM CYANODITHIOIMIDO CARBONATE		4.20
2	POTASSIUM N-METHYL DITHIOCARBOMATE		5.80
3			
4			
5			
6			
7			
8			
9			
10			

E. ION III - P H Y S I C A L D A T A

BOILING POINT (F)	: 212	SPECIFIC GRAVITY	: 1.065
APOR PRESSURE(MMHG)	: NA	PERCENT VOLATILE BY VOLUME (%)	: 90.00
APOR DENSITY(AIR=1)	: NA	EVAPORATION RATE(--- =1)	: NA
SOLUBILITY IN WATER	: 100%	PH(CONCENTRATE)	: 11.40
		PH(USE DILUTION OF NA	): NA

PPEARANCE & ODOR: LIGHT ORANGE, CHARACTERISTIC ODOR

SECTION IV - F I R E A N D E X P L O S I O N D A T A

FLASH POINT(F)(METHOD USED): NONE (---)
FLAMMABLE LIMITS LEL NA UEL NA
EXTINGUISHING MEDIA : NONE
SPECIAL FIRE FIGHTING: NONE
UNUSUAL FIRE HAZARDS : NONE

ECTION V - H E A L T H H A Z A R D D A T A

SYMPTOMS

SKIN : CAN CAUSE IRRITATION UPON PROLONGED CONTACT.
EYES : CAN BE IRRITATING UPON CONTACT.
INHALE: CAN CAUSE DIZZINESS, NAUSEA AND HEADACHE UPON PROLONGED EXPOSURE.
INGEST: CAN CAUSE NAUSEA AND VOMITING. MAY BE FATAL.

FIRST AID

SKIN : WASH WITH SOAP AND WATER.
EYES : FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES. CONSULT PHYSICIAN.
INHALE: MOVE TO FRESH AIR. GIVE OXYGEN, IF NEEDED. SEE DOCTOR.
INGEST: RINSE MOUTH AND GIVE PLENTY OF WATER TO DRINK. INDUCE VOMITING. IMMEDIATELY SEEK MEDICAL ATTENTION.

LV : NOT ESTABLISHED.

MATERIAL SAFETY DATA SHEET

NATIONAL CHEMICAL

DATE : 03/21/86 NP 45 M (524-3)
SUPERSEDES: PRODUCT NUMBER: 7210

SECTION VI - R E A C T I V I T Y D A T A

STABILITY : STABLE, AVOID FREEZING TEMPERATURES
INCOMPATIBILITY(AVOID) : ACID
POLYMERIZATION : WILL NOT OCCUR
HAZARDOUS DECOMPOSITION:
SULFER GASES

SECTION VII - S P I L L A N D D I S P O S A L P R O C E D U R E S

STEPS TO BE TAKEN IN CASE MATERAIL IS RELEASED OR SPILLED
ABSORB ON AN ABSORBENT SUCH AS SELIG'S AP ABSORBENT AND PLACE IN A SEALED DRUM FOR DISPOSAL. CLEAN SPILL AREA WITH DETERGENT AND WATER.

WASTE DISPOSAL METHOD
PESTICIDE, SPRAY MIXTURE OR RINSATE THAT CAN NOT BE USED OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDES, OR BURIED IN A SAFE PLACE AWAY FROM WATER SUPPLIES. CONSULT YOUR LOCAL STATE AND FEDERAL GUIDELINES FOR APPROVED ALTERNATIVE PROCEDURES.

FEDERAL HAZARDOUS WASTE NUMBER(S): NA

SECTION VIII - S P E C I A L P R O T E C T I O N I N F O R M A T I O N

RESPIRATORY PROTECTION : GOOD VENTILATION IS ALL THAT IS REQUIRED.
VENTILATION : NO SPECIAL VENTILATION REQUIRED
PROTECTIVE CLOTHING : RUBBER GLOVES, RUBBER APRON
EYE PROTECTION : SAFETY GOGGLES

SECTION IX - S P E C I A L P R E C A U T I O N S

KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED.
AVOID CONTACT WITH SKIN AND EYES. DO NOT INGEST. DO NOT BREATHE VAPORS.
KEEP CONTAINER CLOSED WHEN NOT IN USE.
MAY DECOMPOSE TO FORM TOXIC/CORROSIVE GASES IF EXPOSED TO HIGH HEAT.
CONTAINER MAY BURST IF HEATED ABOVE 120F.
DO NOT USE, STORE, POUR OR SPILL NEAR HEAT SOURCE OR OPEN FLAME.

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BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

MATERIAL SAFETY DATA SHEET

NATIONAL CHEMICAL

DATE : 06/27/88 AQUA PLUS
SUPERSEDES: 10/29/86 PRODUCT NUMBER: 9350

SECTION I - E M E R G E N C Y C O N T A C T S

ATIONAL CHEMICAL
340 SELIG DRIVE, S.W.
ATLANTA, GA. 30378
ELEPHONE (404)691-9292
ETWEEN 8:00A.M. - 5:00P.M.
(EASTERN TIME ZONE)

LOCAL POISON CONTROL CENTER TELEPHONE .....

TRANSPORTATION EMERGENCY
CHEMTREC: TOLL-FREE 1-800-424-9300 ALL CALLS RECORDED
DISTRICT OF COLUMBIA (202)483-7616 ALL CALLS RECORDED

ECTION II - H A Z A R D O U S I N G R E D I E N T S

		CAS	%
1	SODIUM HYPOCHLORITE	7681-53-0	12.5
2	(A STRONG OXIDIZING AGENT)		
3			
4			
5			
6			
7			
8			
9			
10			

EC.ION III - P H Y S I C A L D A T A

OILING POINT (F)	N/A	SPECIFIC GRAVITY	: 1.226
APOR PRESSURE(MMHG)	N/A	PERCENT VOLATILE BY VOLUME (%)	: 100%
VAPOR DENSITY(AIR=1)	N/A	EVAPORATION RATE(--- =1)	: N/A
SOLUBILITY IN WATER	100%	PH(CONCENTRATE)	: N/A
		PH(USE DILUTION OF N/A	): N/A

PPEARANCE & ODOR: LIGHT STRAW YELLOW TO GREENISH TINT, SLIGHT CHLORINE ODOR

ECTION IV - F I R E A N D E X P L O S I O N D A T A

FLASH POINT(F)(METHOD USED): NONE (---)
FLAMMABLE LIMITS LEL N/A UEL N/A
XTINGUISHING MEDIA : NONE
PECIAL FIRE FIGHTING: USE WATER TO KEEP SOLUTION COOL AND DILUTE
UNUSUAL FIRE HAZARDS : HEAT WILL CAUSE DECOMPOSITION OF SODIUM HYPOCHLORITE W/EVOLU

ECTION V - H E A L T H H A Z A R D D A T A

SYMPTOMS

KIN : CORROSIVE TO SKIN.
YES : CORROSIVE TO EYES.
NHALE: MAY BE IRRITATING TO THROAT, NASAL PASSAGES AND MUCOUS MEMBRANES.
INGEST: CORROSIVE TO THROAT AND STOMACH.

FIRST AID

SK : RINSE IMMEDIATELY WITH WATER. SEEK MEDICAL ATTENTION.
YES : FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES. CONSULT PHYSICIAN.
NHALE: MOVE TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
INGEST: RINSE MOUTH AND GIVE PLENTY OF WATER, FOLLOWED BY MILK, EGG WHITE OR GRUEL. DO NOT INDUCE VOMITING. IMMEDIATELY SEEK MEDICAL ATTENTION.

LV : NOT ESTABLISHED.

MATERIAL SAFETY DATA SHEET

NATIONAL CHEMICAL

DATE : 06/27/88 AQUA PLUS
SUPERSEDES: 10/29/86 PRODUCT NUMBER: 9350

SECTION VI - R E A C T I V I T Y D A T A

STABILITY	: UNSTABLE; AVOID HIGH TEMP., EXPOSURE TO LIGHT, CATLYTI
INCOMPATIBILITY(AVOID)	: READILY OXIDIZING MATERIALS
POLYMERIZATION	: WILL NOT OCCUR
HAZARDOUS DECOMPOSITION:	
RD06	

SECTION VII - S P I L L A N D D I S P O S A L P R O C E D U R E S

STEPS TO BE TAKEN IN CASE MATERAIL IS RELEASED OR SPILLED

ABSORB SPILL WITH AN ABSORBENT MATERIAL (I.E. SELIG'S AP ABSORBENT); PICK UP AND DEPOSIT IN A SEALABLE CONTAINER FOR DISPOSAL AS A HAZARDOUS WASTE. THOR-OUGHLY CLEAN AREA WITH A DETERGENT SOLUTION. RINSE AREA THOROUGHLY WITH CLEAN WATER.

WASTE DISPOSAL METHOD

ABSORB SPILL WITH AN ABSORBENT MATERIAL (I.E. SELIG'S AP ABSORBENT); PICK UP AND DEPOSIT IN A SEALABLE CONTAINER FOR DISPOSAL AS A HAZARDOUS WASTE. THOR-OUGHLY CLEAN AREA WITH A DETERGENT SOLUTION. RINSE AREA THOROUGHLY WITH CLEAN WATER.

FEDERAL HAZARDOUS WASTE NUMBER(S): UNUSED PRODUCT MAY HAVE TO ABSORBED ON AN INE

SECTION VIII - S P E C I A L P R O T E C T I O N I N F O R M A T I O N

RESPIRATORY PROTECTION	: GOOD VENTILATION IS ALL THAT IS REQUIRED.
VENTILATION	: NO SPECIAL VENTILATION REQUIRED
PROTECTIVE CLOTHING	: RUBBER GLOVES, RUBBER APRON, RUBBER BOOTS
EYE PROTECTION	: SAFETY GOGGLES

SECTION IX - S P E C I A L P R E C A U T I O N S

KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED.
AVOID CONTACT WITH SKIN AND EYES.
KEEP CONTAINER CLOSED WHEN NOT IN USE.
MAY DECOMPOSE TO FORM TOXIC/CORROSIVE GASES IF EXPOSED TO HIGH HEAT.
CONTAINER MAY BURST IF HEATED ABOVE 120F.
DO NOT USE, STORE, POUR OR SPILL NEAR HEAT SOURCE OR OPEN FLAME.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH
BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

MATERIAL SAFETY DATA SHEET

NATIONAL CHEMICAL

DATE - : 03/11/92 QUEST II
SUPERSEDES: 01/03/92 PRODUCT NUMBER: 9272

SECTION I - E M E R G E N C Y C O N T A C T S

NATIONAL CHEMICAL
3340 SELIG DRIVE, S.W.
ATLANTA, GA. 30378
TELEPHONE (404)691-9292
BETWEEN 8:00A.M. - 5:00P.M.
(EASTERN TIME ZONE)

LOCAL POISON CONTROL CENTER TELEPHONE .....

TRANSPORTATION EMERGENCY
CHEMTREC: TOLL-FREE 1-800-424-9300 ALL CALLS RECORDED
DISTRICT OF COLUMBIA (202)483-7616 ALL CALLS RECORDED

SECTION II - H A Z A R D O U S I N G R E D I E N T S

		CAS	%
1	PHOSPHINOCARBOXYLIC ACID	71050-62-9	0-5
2			
3			
4			
5			
6			
7			
8			
9			
10			

SECTION III - P H Y S I C A L D A T A

BOILING POINT (F)	: 212	SPECIFIC GRAVITY	: 1.005
VAPOR PRESSURE(MMHG)	: NA	PERCENT VOLATILE BY VOLUME (%)	: 97%
VAPOR DENSITY(AIR=1)	: NA	EVAPORATION RATE(--- =1)	: NA
SOLUBILITY IN WATER	: 100%	PH(CONCENTRATE)	: 4.0
		PH(USE DILUTION OF NA	): NA

APPEARANCE & ODOR: COLORLESS, ODORLESS LIQUID

SECTION IV - F I R E A N D E X P L O S I O N D A T A

FLASH POINT(F)(METHOD USED): NONE (---)
FLAMMABLE LIMITS LEL NA UEL NA
EXTINGUISHING MEDIA : NA
SPECIAL FIRE FIGHTING: NONE
UNUSUAL FIRE HAZARDS : NONE

SECTION V - H E A L T H H A Z A R D D A T A

SYMPTOMS

SKIN : MILDLY IRRITATING TO SKIN.
EYES : IRRITATING UPON CONTACT.
INHALE: MAY BE IRRITATING TO THROAT, NASAL PASSAGES AND MUCOUS MEMBRANES.
INGEST: IRRITATING TO THROAT AND STOMACH.

FIRST AID

SKIN : WASH WITH SOAP AND WATER.
EYES : FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES. CONSULT PHYSICIAN.
INHALE: MOVE TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
INGEST: RINSE MOUTH AND GIVE PLENTY OF WATER, FOLLOWED BY MILK, EGG WHITE OR GRUEL. INDUCE VOMITING. IMMEDIATELY SEEK MEDICAL ATTENTION.

TLV : NOT ESTABLISHED.

MATERIAL SAFETY DATA SHEET

NATIONAL CHEMICAL

DATE : 03/11/92 QUEST II
SUPERSEDES: 01/03/92 PRODUCT NUMBER: 9272

SECTION VI - R E A C T I V I T Y D A T A

STABILITY : STABLE, AVOID FREEZING TEMPERATURES
INCOMPATIBILITY(AVOID) : AVOID ACID REACTIVE SALTS
POLYMERIZATION : WILL NOT OCCUR
HAZARDOUS DECOMPOSITION:
DO NOT EVAPORATE AND BURN

SECTION VII - S P I L L A N D D I S P O S A L P R O C E D U R E S

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

MOP UP WITH WATER OR ABSORB SPILL WITH AN ABSORBENT MATERIAL (I.E. SELIG'S AP ABSORBENT); PICK UP AND DEPOSIT IN A SUITABLE WASTE CONTAINER. FLUSH AREA THOROUGHLY WITH A DETERGENT SOLUTION. RINSE AREA THOROUGHLY WITH CLEAN WATER.

WASTE DISPOSAL METHOD

CHECK LOCAL, STATE AND FEDERAL REGULATIONS PRIOR TO DISPOSAL. PRODUCT IS NOT CONSIDERED A HAZARDOUS WASTE UNDER RCRA. LIQUIDS MAY BE ABLE TO BE DISPOSED OF BY FLUSHING INTO SANITARY SEWER WITH PLENTY OF WATER. NEUTRALIZATION OF PH MAY BE REQUIRED.

FEDERAL HAZARDOUS WASTE NUMBER(S): NA

SECTION VIII - S P E C I A L P R O T E C T I O N I N F O R M A T I O N

RESPIRATORY PROTECTION : GOOD VENTILATION IS ALL THAT IS REQUIRED.
VENTILATION : NO SPECIAL VENTILATION REQUIRED
PROTECTIVE CLOTHING : RUBBER GLOVES, RUBBER APRON
EYE PROTECTION : SAFETY GOGGLES

SECTION IX - S P E C I A L P R E C A U T I O N S

KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED.
AVOID CONTACT WITH SKIN AND EYES. DO NOT INGEST.
KEEP CONTAINER CLOSED WHEN NOT IN USE.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH
BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

DRY

WAREHOUSE

45-68-120

ECOLAB

Ecolab Center
St. Paul, Minnesota 55102

Ecolab Inc.

14514 *MATERIAL SAFETY DATA SHEET* Page 1 of 2

MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-328-0026

INSTITUTIONAL DIV., Ecolab Inc. - Product Information: 1-800-352-5326
Ecolab Ctr. St. Paul MN 55102 Date of Issue: July 23, 1992

1.0 IDENTIFICATION /

1.1 Product Name: **HEAVY DUTY ECO-KLENE**
1.2 Product Type: High Alkaline Liquid Automatic Dishmachine Detergent

++ Section 2 Provides SARA Section 313 Reporting Information ++

2.0 HAZARDOUS COMPONENTS /

	%	TWA (mg/m3)	Other (mg/m3)
2.1 Sodium hydroxide (caustic soda) 1310-73-2	30	2 C	2 C

This product contains no other component considered hazardous according to the criteria of 29 CFR 1910.1200.

UNK = Unknown at this time
STEL = 15 Minute Average
TWA = OSHA 8 Hour Average
C = Ceiling Limit; Do Not Exceed

3.0 PHYSICAL DATA /

3.1 Appearance: Red clear liquid
3.2 Solubility in Water: Complete
3.3 pH: 13.0-14.0 (100%); 12.0-12.5 (0.2%)
3.4 Boiling Point: >212 deg F
3.5 Specific Gravity: 1.34-1.38

4.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: None
4.2 Fire Fighting Methods: Product does not support combustion.

5.0 REACTIVITY DATA /

5.1 Stability: Stable under normal conditions of handling.
5.2 Conditions to Avoid: Do not mix with anything but water. Reacts violently with acids. Reacts with soft metals such as aluminum and zinc.

6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT

6.1 Cleanup: Rinse small amounts to drain where possible. Dike or dam large spills; pump to containers or soak up on inert absorbent. Flush residue to sanitary sewer; rinse area thoroughly.
6.2 Waste Disposal: Consult state and local authorities for restrictions on disposal of chemical waste. Unused product as a waste is Corrosive (D002) by RCRA criteria.

7.0 HEALTH HAZARD DATA / DANGER

7.1 Effects of Overexposure to Concentrate:
Skin and Eyes: CAUSES SEVERE CHEMICAL BURNS. Eye contact may cause blindness. Harmful skin contact may not cause immediate pain.
++ Immediate water flushing is vital in case of eye contact. ++
If Swallowed: HARMFUL OR FATAL. Causes chemical burns of mouth, throat and stomach.

8.0 FIRST AID /

8.1 Eyes: Immediately flush with plenty of cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart to ensure rinsing of the entire eye.
CALL A PHYSICIAN IMMEDIATELY.

8.2 Skin: Immediately flush skin with plenty of cool running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

8.3 If Swallowed: Rinse mouth at once; then drink 1 or two large glasses of water or milk. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.

CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY

9.0 PROTECTIVE MEASURES /

Eyes: Use chemical splash goggles. For continued or severe exposure, wear a face shield over the goggles.
Skin: Rubber gloves - protective cuff or gauntlet type preferred.

9.1 USE SOLUTIONS: Avoid contact with use solutions. These may also be hazardous.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

KEEP OUT OF REACH OF CHILDREN

The above information is believed to be correct with respect to the formula used to manufacture the product. As data, standards and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

45-68-110

ECOLAB Ecolab Inc.

Ecolab Center
St. Paul, Minnesota 55102

12021 ***MATERIAL SAFETY DATA SHEET***

MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-328-0026
Medical Calls from Outside of the USA: 612 292 4064 (USA)

INSTITUTIONAL DIV., Ecolab Inc. Product Information: 1-800-352-5326
Ecolab Ctr. St. Paul MN 55102 Date of Issue: October 28, 1994

1.0 IDENTIFICATION /

1.1 Product Name: LIME-A-WAY
1.2 Product Type: Aqueous Acidic Cleaner/Delimer

++ SARA 313 Toxic Chemicals, If Present, Are Preceded by "#" ++

2.0 HAZARDOUS COMPONENTS /

		%	PEL (mg/m3)	Other (mg/m3)
2.1 # Phosphoric acid	7664-38-2	27	1	1*

*ACGIH STEL = 3

2.2 This product contains no other components considered hazardous according to the criteria of 29 CFR 1910.1200.

UNK = Unknown at this time PEL = OSHA 8 Hour Average
STEL = 15 Minute Average C = Ceiling Limit; Do Not Exceed

3.0 PHYSICAL DATA /

3.1 Appearance: Clear green liquid; mild organic odor
3.2 Solubility in Water: Complete
3.3 pH: 1.0-1.5 (100%); 2.0-3.0 (1%)
3.4 Initial Boiling Point: 212 deg F
3.5 Specific Gravity: 1.20-1.30

4.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: None
4.2 Fire Fighting Methods: Product does not support combustion.

5.0 REACTIVITY DATA /

5.1 Stability: Stable under normal conditions of handling.
5.2 Conditions to Avoid: Mix only with water. Reacts with some metals; reacts vigorously with alkaline chemicals. Do not mix with chlorinated detergents or sanitizers - will cause hazardous vapors.

6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT

6.1 Cleanup: Rinse small amounts to drain where possible. Dike or dam large spills; pump to containers or soak up on inert absorbent. Flush residue to sanitary sewer; rinse area thoroughly.
6.2 Waste Disposal: Consult state and local authorities for restrictions on disposal of chemical waste. Unused product as a waste is Corrosive (D002) by RCRA criteria.

7.0 HEALTH HAZARD DATA / DANGER

7.1 Effects of Overexposure to Concentrate:
Skin and Eyes: Can cause severe irritation, possible chemical burns.
If Swallowed: Harmful. Can cause chemical burns of mouth, throat and stomach.
If Inhaled: Vapors cause irritation, including a burning taste, sneezing, coughing and difficulty breathing. People with asthma or other lung problems may be more affected.

8.0 FIRST AID /

8.1 Eyes: Flush at once with cool running water. Remove contact lenses; continue flushing at least 15 minutes, holding eyelids apart to ensure rinsing of entire eye. CALL A PHYSICIAN IMMEDIATELY.
8.2 Skin: Immediately flush skin with plenty of cool running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
8.3 If Swallowed: Rinse mouth at once; then drink 1 or 2 large glasses of water or milk. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.
8.4 If Inhaled: Immediately move to fresh air.

IMMEDIATELY CALL A POISON CONTROL CENTER, A PHYSICIAN OR THE ECOLAB 24-HOUR MEDICAL EMERGENCY NUMBER (1-800-328-0026)

9.0 PROTECTIVE MEASURES /

9.1 CONCENTRATE:
Respiratory: Avoid breathing mists or vapors of this product.
Eyes: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
Skin: Rubber gloves - protective cuff or gauntlet type preferred.
9.2 USE SOLUTIONS: Avoid contact with use solutions. These may also be hazardous.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

KEEP OUT OF REACH OF CHILDREN

The above information is believed to be correct with respect to the formula used to manufacture the product. As data, standards and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

45-68-130

13979 *MATERIAL SAFETY DATA SHEET*

MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-328-0026

INSTITUTIONAL DIV., Ecolab Inc. Product Information: 1-800-352-5326
Ecolab Ctr. St. Paul MN 55102 Date of Issue: September 4, 1992

1.0 IDENTIFICATION /

1.1 Product Name: ECO-SAN
1.2 Product Type: Liquid sodium hypochlorite sanitizer

++ Section 2 Provides SARA Section 313 Reporting Information ++

2.0 HAZARDOUS COMPONENTS /

	%	TWA (mg/m3)	Other (mg/m3)
2.1 Sodium hypochlorite 7681-52-9	8.4-10.5	*	*

* (TWA for chlorine = 1.5; STEL = 3)
This product contains no other component considered hazardous according to the criteria of 29 CFR 1910.1200.

UNK = Unknown at this time
STEL = 15 Minute Average
TWA = OSHA 8 Hour Average
C = Ceiling Limit; Do Not Exceed

3.0 PHYSICAL DATA /

3.1 Appearance: Clear light yellow liquid with chlorine odor
3.2 Solubility in Water: Complete
3.3 pH: 10.5 (1%)
3.4 Boiling Point: >212 deg F
3.5 Specific Gravity: 1.16-1.17

4.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: See Line 5.1
4.2 Fire Fighting Methods: Product does not support combustion.

5.0 REACTIVITY DATA /

5.1 Stability: High temperatures may generate hazardous decomposition products including chlorine gas.
5.2 Conditions to Avoid: Mix only with water. Do not mix with acids or ammonia - will cause hazardous vapors.

6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT

6.1 Cleanup: Dike or dam large spills. Pump to containers or soak up on inert absorbent. Flush residue to sanitary sewer.
6.2 Waste Disposal: This product is listed D002 Corrosive by RCRA criteria.

7.0 HEALTH HAZARD DATA / DANGER

7.1 Effects of Overexposure to Concentrate:
Skin and Eyes: CAUSES CHEMICAL BURNS. Eye contact may cause blindness.
If Swallowed: HARMFUL. Causes chemical burns of mouth, throat and stomach.
If Inhaled: Vapors or mist cause irritation, including a burning taste, sneezing, coughing and difficulty breathing. People with asthma or other lung problems may be more affected.

8.0 FIRST AID /

8.1 Eyes: Immediately flush with plenty of cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart to ensure rinsing of the entire eye.
CALL A PHYSICIAN IMMEDIATELY.
8.2 Skin: Immediately flush skin with plenty of cool running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
8.3 If Swallowed: Rinse mouth at once; then drink 1 or 2 large glasses of water or milk. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.
8.4 If Inhaled: Immediately move to fresh air.

CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY

9.0 PROTECTIVE MEASURES /

9.1 CONCENTRATE:
Respiratory: Avoid breathing dusts or mists of this product.
Skin: Rubber gloves - protective cuff or gauntlet type preferred.
Eyes: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

KEEP OUT OF REACH OF CHILDREN

The above information is believed to be correct with respect to the formula used to manufacture the product. As data, standards and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

45-68-136

ECOLAB

Ecolab Inc.

Ecolab Center
St. Paul, Minnesota 55102

10371 ***MATERIAL SAFETY DATA SHEET***

MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-328-0026

INSTITUTIONAL DIV., Ecolab Inc. Product Information: 1-800-352-5326
Ecolab Ctr. St. Paul MN 55102 Date of Issue: June 29, 1992

1.0 IDENTIFICATION /

1.1 Product Name: SOLID POWER
1.2 Product Type: High Alkaline Solid Automatic Dishmachine Detergent

++ Section 2 Provides SARA Section 313 Reporting Information ++

2.0 HAZARDOUS COMPONENTS /

	%	TWA (mg/m3)	Other (mg/m3)
2.1 Sodium hydroxide (caustic soda) 1310-73-2	50	2 C	2 C

This product contains no other component considered hazardous according to the criteria of 29 CFR 1910.1200.

UNK = Unknown at this time
STEL = 15 Minute Average
TWA = OSHA 8 Hour Average
C = Ceiling Limit; Do Not Exceed

3.0 PHYSICAL DATA /

3.1 Appearance: Blue solid; no odor
3.2 Solubility in Water: Complete
3.3 pH: 12.0-13.0 (0.2%)

4.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: None
4.2 Fire Fighting Methods: Product does not support combustion.

5.0 REACTIVITY DATA /

5.1 Stability: Stable under normal conditions of handling.
5.2 Conditions to Avoid: Reacts violently with acids. Reacts with soft metals such as aluminum and zinc.

6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT

6.1 Cleanup: Pick up without raising dust. Flush area with water.
6.2 Waste Disposal: Consult state and local authorities for restrictions on disposal of chemical waste.

7.0 HEALTH HAZARD DATA / DANGER

7.1 Effects of Overexposure to Concentrate:
Skin and Eyes: CAUSES SEVERE CHEMICAL BURNS. Eye contact may cause blindness. Harmful skin contact may not cause immediate pain.
++ Immediate water flushing is vital in case of eye contact. ++
If Swallowed: HARMFUL OR FATAL. Causes chemical burns of mouth, throat and stomach.

8.0 FIRST AID /

8.1 Eyes: Immediately flush with plenty of cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart to ensure rinsing of the entire eye.
CALL A PHYSICIAN IMMEDIATELY.

8.2 Skin: Immediately flush skin with plenty of cool running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

8.3 If Swallowed: Rinse mouth at once; then drink 1 or two large glasses of water or milk. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.

CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY

9.0 PROTECTIVE MEASURES /

Due to the solid form of this product no special protection is needed for normal use. The following protection is advisable if exposure to this product or to its use solutions is likely.
Skin: Rubber gloves - protective cuff or gauntlet type preferred.
Eyes: Use chemical splash goggles. For continued or severe exposure, wear a face shield over the goggles.

9.1 USE SOLUTIONS: Avoid contact with use solutions. These may also be hazardous.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

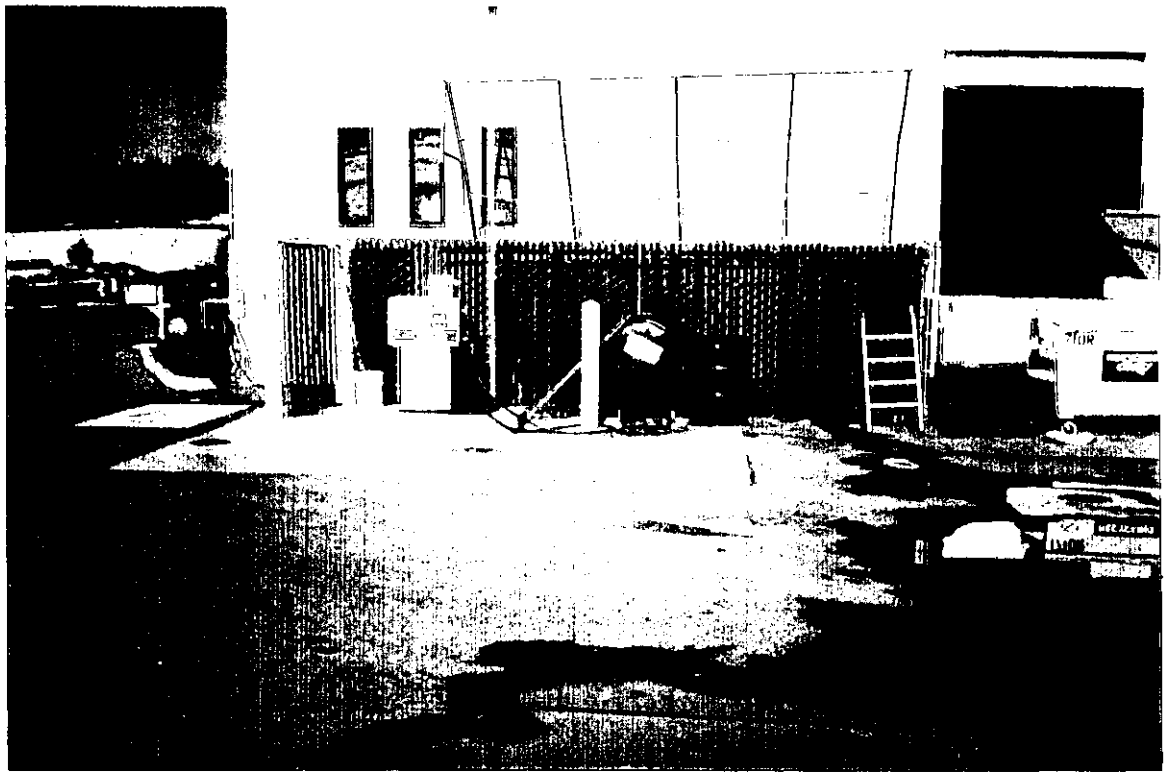
KEEP OUT OF REACH OF CHILDREN

The above information is believed to be correct with respect to the formula used to manufacture the product. As data, standards and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

APPENDIX G

ENVIRONMENTAL CONTROL EXAMPLE PHOTOS

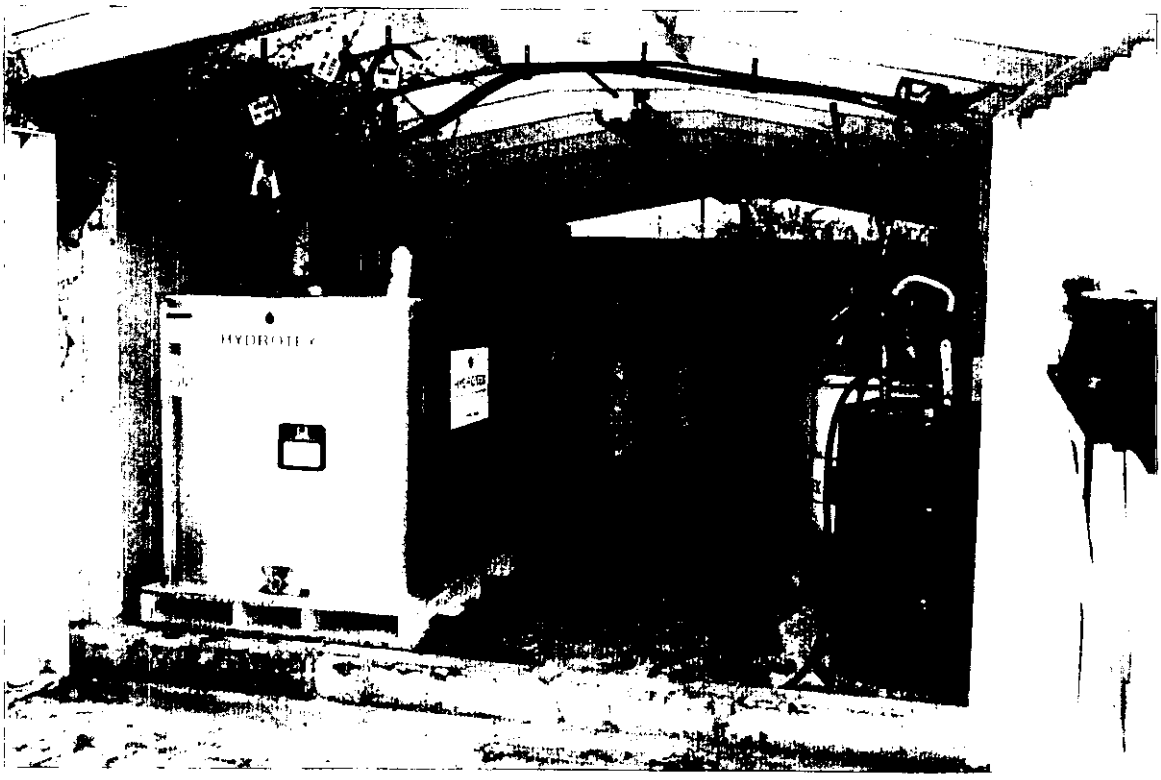
GARRETT CONSULTING, INC.
PFC SITE ENVIRONMENTAL CONTROL MEASURES



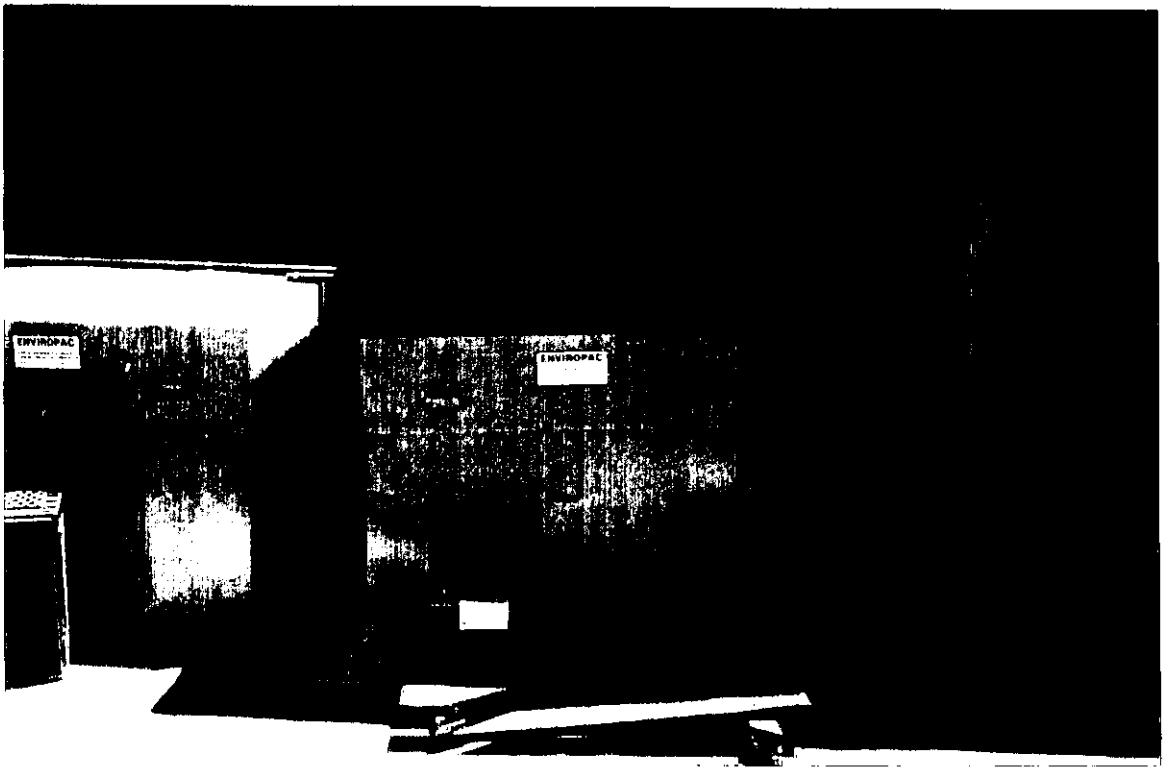
SUMP WITH OIL/WATER SEPARATOR (ALGONA)

BERMED FUELING STATION (RANCHO CUCAMONGA)

GARRETT CONSULTING, INC.
PFC SITE ENVIRONMENTAL CONTROL MEASURES



OIL AND LUB STORED WITH SPILL CONTAINMENT
(RANCHO CUCAMONGA)



HAZARDOUS MATERIALS STORAGE (PLEASANTON)

APPENDIX H

GCI PERSONNEL RESUMES

RESUME

ROBERT A. GARRETT
Senior Environmental Scientist
President, Garrett Consulting, Inc. (GCI)
President, RCRA Analytical Services, Inc. (RCRA)

GARRETT CONSULTING, INC.
2734 Black Acre Trail
Dallas, Georgia 30132
PH & FAX: (404) 974-9381

RCRA ANALYTICAL SERVICES, INC.
183 Paradise Boulevard, Suite 108
Athens, Georgia 30607
PH: (706) 548-5040
FAX: (706) 548-4891

EXPERIENCE SUMMARY

Mr. Garrett is an experienced professional in the assessment and remediation of environmental contamination. He has served as a consultant for 22 years, beginning his career in aquatic environmental assessments of both estuarine and fresh water ecosystems. He has both participated and managed multidisciplinary projects. His interests led him into the hazardous waste field where he has provided site environmental assessments, laboratory analyses, and development and implementation of remedial alternatives. Most recently, he has been responsible for project management of hazardous waste remediation projects, including bioremediation, soil fixation/solidification and building decontamination. Mr. Garrett formed RCRA in 1986 and GCI in 1990.

PREVIOUS PROFESSIONAL EXPERIENCE

1986-1990 **Westinghouse Environmental and Geotechnical Services, Inc., Decatur, GA**

Division Manager, Fixation/Solidification Division

Duties involved development of an innovative remedial technology involving chemical fixation of contaminated soil and sludge, business development, and management of the new division.

Department Manager, Project Management/Technical Support Department

Duties involved managing a group of engineers and scientists who were responsible for managing remedial projects for Westinghouse. Duties also included business development.

Senior Project Manager

Duties involved business development and management of large remedial projects involving biodegredation, soil fixation, building decontamination, and others.

1981-1986 **Clayton Environmental Consultants, Inc., Marietta, GA**

Senior Water Resources Scientist

Duties involved business development and management of projects in the hazardous waste area. Projects routinely involved:

- Geophysics/Drilling
- Soil and groundwater sampling
- Laboratory analysis/data interpretation
- Development and implementation of remedial alternatives

1974-1981 **Law Engineering Testing Company, Inc., Marietta, GA**

Positions held at Law included staff biologist, staff hydrologist, and project manager. Duties evolved from participation in scientific projects to the management of multidisciplinary projects. Typical activities involved:

- Marketing
- Proposal development
- Project supervision
- Project profit and loss

1973-1974 **Environment Consultants, Inc., Dallas, TX**

Office Manager/Limnologist

Major responsibilities involved managing field offices for the company in North and South Carolina and conducting environmental impact studies for proposed nuclear power plant sites on the Yadkin and Broad Rivers.

1972-1973 **Teledyne Brown Engineering, Huntsville, AL**

Aquatic Biologist

Major responsibilities involved conducting aquatic environmental assessments of both estuarine and fresh water ecosystems.

EDUCATION B.S, Limnology/Hydrology, 1972, Auburn University

CERTIFICATION Certified Fisheries Scientist (No. 1216), American Fisheries Society

Certified advanced open-water SCUBA diver (PADI)

PROFESSIONAL MEMBERSHIPS

National Water Well Association
Georgia Ground Water Association
American Fisheries Society
Georgia Fisheries Workers Association

DON A. WATSON, P.G.
Senior Hydrogeologist

GARRETT CONSULTING, INC.
1135 Priddy Road
LaGrange, GA 30240
PH & FAX: 706-683-6483

EXPERIENCE SUMMARY

Extensive site investigation, geophysical, and monitoring well design and installation experience during 11 years of professional practice. Considerable experience directing field investigation studies. Specialized experience in surface geophysical and hydrogeological studies for water supply development and hazardous waste projects throughout the U.S.

1991-Date **Garrett Consulting, Inc., Dallas, Georgia**

Senior Hydrogeologist

Responsible for hydrogeological site assessments, including geophysical surveys, monitoring and recovery well design and installation. Additional duties include conducting aquifer pumping tests, slug tests, and evaluations of existing groundwater monitoring and recovery systems.

PREVIOUS PROFESSIONAL EXPERIENCE

1981-1992 **Dixie Well Boring Company, Inc., LaGrange, Georgia**

Hydrogeologist/Well Driller

Responsible for borehole geophysical logger operation and log interpretation in terms of lithology and well construction. Also conducted surface resistivity surveys in Georgia Piedmont Provinces for locations of waterbearing fractures within crystalline rocks. Additional responsibilities included drilling with mud and air rotary drilling rigs as well as bucket auger rigs. Presented geophysical survey and water supply drilling programs to municipalities and developers.

1978-1981 **Ground Water and Soil Services, LaGrange, Georgia**

Hydrogeolgist / Owner

Conducted geotechnical drilling, monitor well design and installation, and geophysical surveys.

1981 -1986 **Clayton Environmental Consultants, Inc., Marietta, Georgia**

Hydrogeologist

Conducted geophysical surveys, monitor well design, construction supervision, and sampling of soils and groundwater.

1974-1976 **Auburn University, Auburn Alabama**

Research Assistant

Research involving electrical resistivity and alternate geophysical surveys.

EDUCATION B.S, Geology, 1976, Auburn University

CONTINUING EDUCATION

. Course on Conducting Environmental Site Assessments, Georgia Institute of Technology, March 1994

PROFESSIONAL REGISTRATION Professional Geologist, State of Georgia #0587, 1982

Certified UST Removal Specialist, State of Kentucky #354-02R, 1994

Certified UST Removal Specialist, State of Mississippi #CHB0876, 1994

R02740

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

September 1, 2004

W. A. Craig, Inc.
6940 Tremont Road
Dixon, CA 95620

Re: Enclosed Package

Please find enclosed package. This information should be forwarded to the Fremont Fire Department located at 3300 Capital Ave. Fremont, CA 94537.

Encl.

ea/SH

W. A. Craig, Inc.

Construction & Engineering

FINAL CLOSURE REPORT FOR UNDERGROUND STORAGE TANK REMOVAL

PROJECT SITE:
MBM Corporation
5675 Sunol Boulevard
Pleasanton, California 94566

PREPARED FOR:
Mr. Al Monceaux
5675 Sunol Boulevard
Pleasanton, California 94566

SUBMITTED TO:
Mr. John Ritger
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, California 94566

PREPARED BY:
W. A. Craig, Inc.
6940 Tremont Road
Dixon, California 95620
A, B, & Haz Lic. No. 455752

Project No. 4224

July 13, 2004

TANK REMOVAL INFORMATION

Date Removed: Thursday, May 13, 2004

Reason for Removal: Three underground tanks were decommissioned and removed because property owner is installing an aboveground tank.

Tank Transporter:
PSC– Industrial Outsourcing, Inc.
395 West Channel Road
Benicia, California 94510

Disposal of Tanks:
ECI – Ecology Control Industries
255 Parr Boulevard
Richmond, California 94801

Disposal of Drums:
Fremouw Environmental Inc.
PO BOX 2875
Vacaville, California 95696

Sample Processing:
Soil and water samples were analyzed by:
McCampbell Analytical Inc.
110 2nd Avenue South #D7
Pacheco, California 94553
State Certification number: 1644

Soil and water samples were analyzed for:
TPH-d by EPA Method 8015C
BTEX by EPA Method 8021B/8015C
Fuel oxygenates and lead scavengers by EPA Method 8260B

Location of the Tanks: Three tanks were removed from 5675 Sunol Boulevard, Pleasanton, California. The tanks were located at the back of the property near a wash rack and building used for mechanical repairs (see **Figure 1**).

Sampling: Sampling was performed by a W.A. Craig, Inc. technician on May 20, 2004. Six soil samples were collected from the sidewalls of the tank excavation (samples TP1 – TP-6). Soil sample locations are shown on **Figure 2**. Three water samples were collected from the tank pit (WS-1 – WS-3). A discrete water sample was obtained from each small pool of water that collected in the depressions left from the USTs. Four four-point composite soil samples were collected from the excavated soil stockpile. Prior to backfilling, groundwater in the tank pit was removed by vacuum and properly disposed of. Additional soil samples were collected beneath the 6,000-gallon tank (PB-1 and PB-2). These two samples did not yield detectable concentrations of TPH-d, BTEX, MtBE, or other fuel additives. Fuel additives, oxygenates, lead scavengers, and BTEX constituents were not detected in soil or water samples collected at the Site. Low levels of diesel range hydrocarbons ($\leq$5.5 mg/L) were detected in all three water samples. Soil sample TP-5 MBM, collected from the northeast corner of the UST excavation, yielded TPH-d at 5.7 mg/Kg. TPH-d was detected at concentrations up to 16 mg/Kg in the excavated soil and peagravel. A copy of the chain-of-custody form and the laboratory analytical report is attached in **Appendix A**.

Sampling Methodology: Soil samples were obtained by driving a clean brass tube (2"Ø x 6" long) into undisturbed native soil. The tube was driven into soil with a rubber mallet. The tube was then sealed with Teflon™ tape and plastic end caps. Water samples W-1 – W-3 were collected directly from the open pit into laboratory supplied 1-liter amber bottles. The stockpile sample was collected using the same methodology as described above. The samples were labeled and placed in an ice chest and preserved with ice for transport to a state certified laboratory. The samples were kept under chain-of-custody control. A copy of the chain-of-custody form and the laboratory analytical report are attached in **Appendix A**.

Tank Cleaning and Disposal: The tanks were inerted with dry ice and triple rinsed. The power washer was grounded and care was taken during the tank cleaning process. Oxygen concentrations and lower explosive limits (LELs) were monitored in the tanks prior to their removal. All readings were below the allowable percentages. The tanks were disposed of at ECI in Richmond. Tank disposal manifests are included in **Appendix B**.

Rinse Water Disposal: The tanks contained approximately 100 gallons of diesel. The diesel was removed and stored in two 55-gallon drums. Rinse water was contained in seven 55-gallon drums. Fremouw Environmental vacuumed out the drums and properly disposed of the diesel and rinse water. The disposal manifest is attached in **Appendix C**.

Pit Closure: The tank pit was backfilled to grade with material excavated from around the tank and clean imported material on approval from the Alameda County Environmental Health Department.

SPECIFIC INFORMATION REGARDING THE TANKS

Tank 1

Capacity: 20,000-gallon

Former contents of the tank: diesel

Construction of the tank: Single-wall steel

Age of the tank: Unknown

Condition of the tank upon removal: The tank was in good condition with no visible holes.

Tank 2

Capacity: 20,000-gallon

Former contents of the tank: diesel

Construction of the tank: Single-wall steel

Age of the tank: Unknown

Condition of the tank upon removal: The tank was in good condition with no visible holes.

Tank 3

Capacity: 6,000-gallon

Former contents of the tank: diesel

Construction of the tank: single-wall fiberglass

Age of the tank: Unknown

Condition of the tank upon removal: The tank was inadvertently damaged during excavation work.

I declare under penalty of perjury that the foregoing information is true and correct.

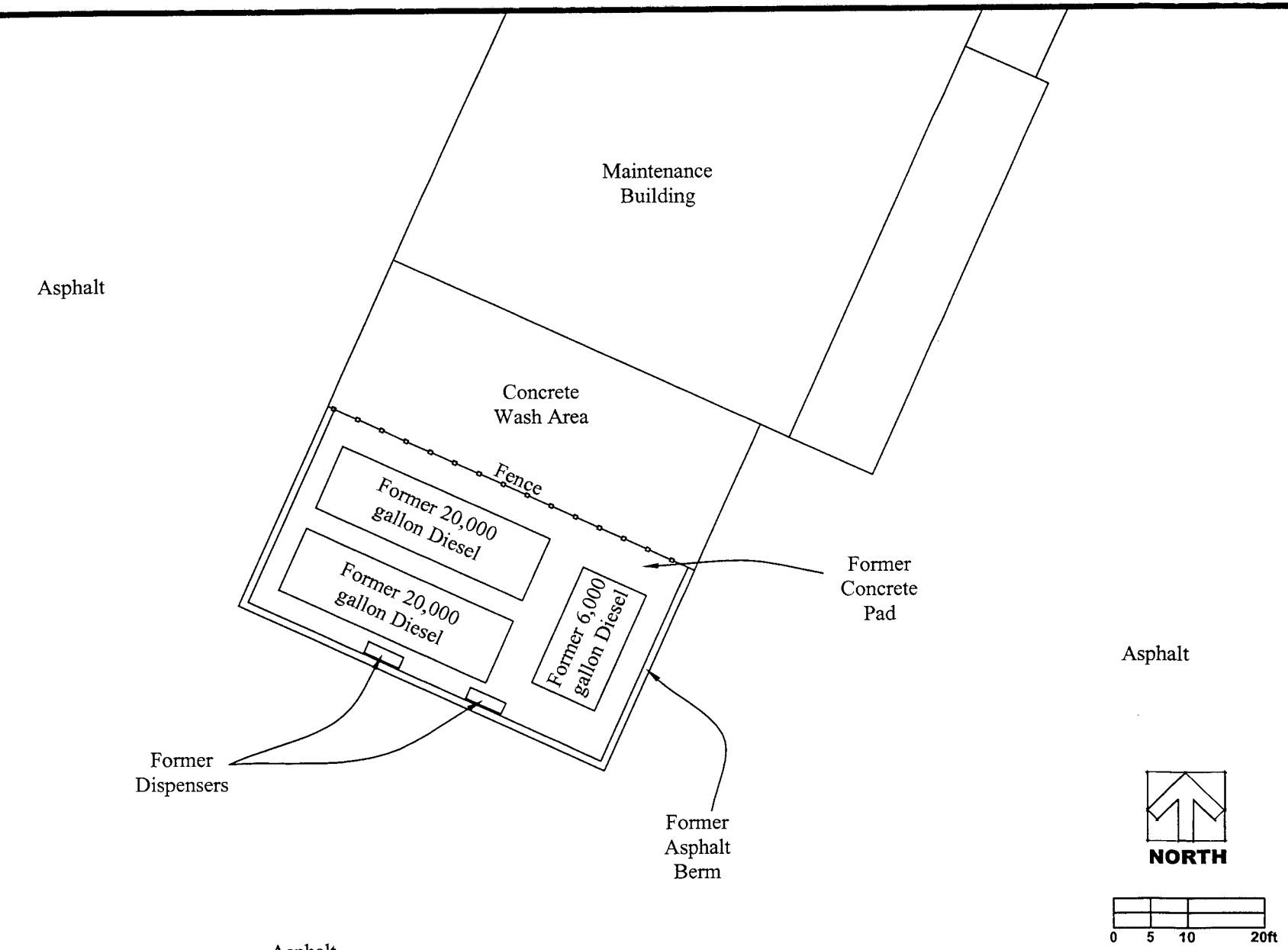
Executed: July 13, 2004

Nature of Business: Environmental Consulting and Contracting

Business Name: W. A. Craig, Inc.
Business Address: 6940 Tremont Road
Dixon, CA 95620-9603

Printed name and title of responsible professional:
Christine C. Truesdale
Project Manager

Signature: Christine C. Truesdale Date: 7/13/04



Note: Locations are approximate.

W.A. Craig, Inc.
6940 Tremont Road Lic. No. 455752
Dixon, California 95620-9603
(707) 693-2929 Fax# (707) 693-2922

Site Layout

MBM
5675 Sunol Boulevard
Pleasanton, California

Project #: 4224	Figure: 1
Date: 7/7/04	
Scale: 1"=20'	

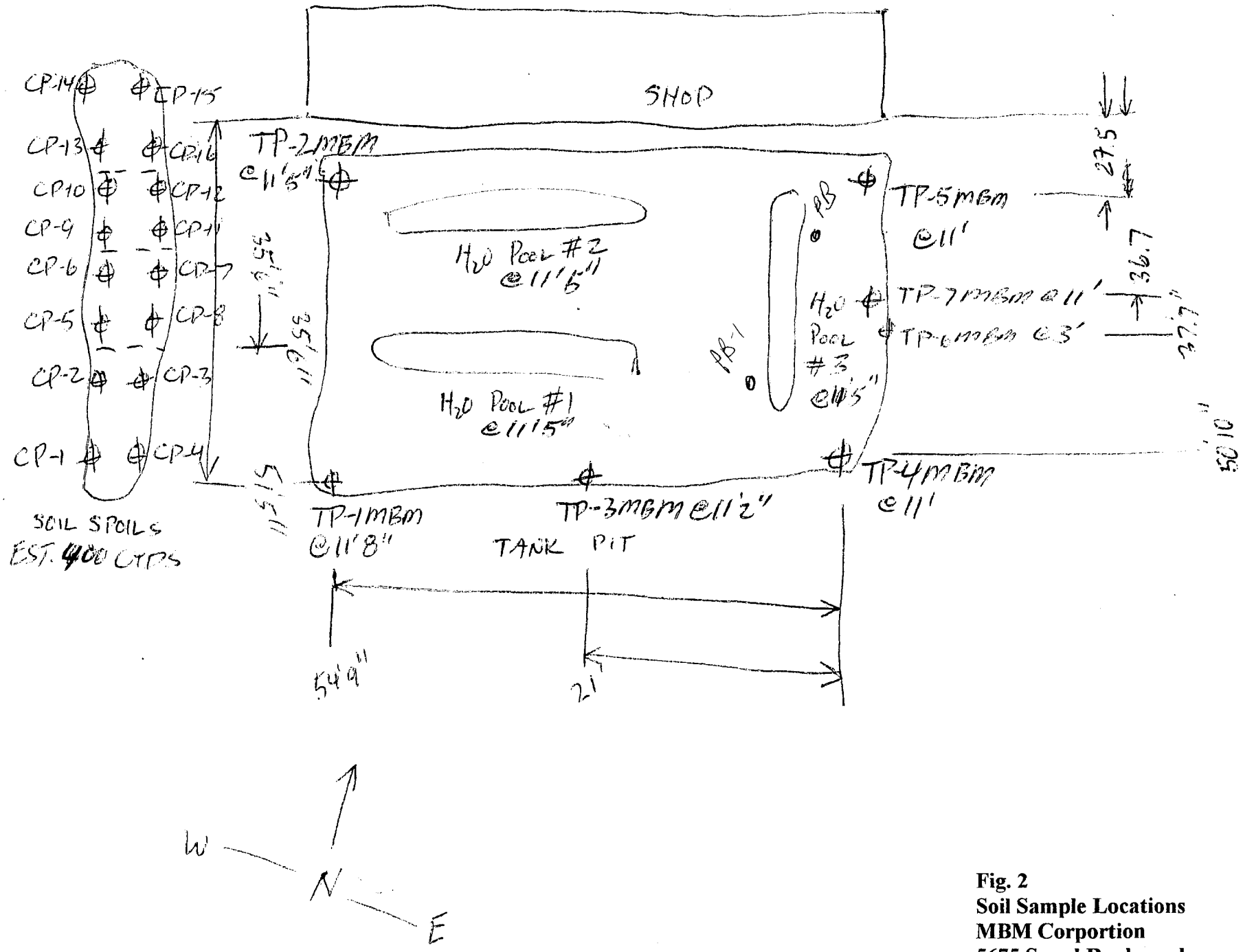


Fig. 2
Soil Sample Locations
MBM Corportion
5675 Sunol Boulevard
Pleasanton, CA

Appendix A

Laboratory Analytical Report

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4225; MBM UST	Date Sampled: 05/20/04
		Date Received: 05/21/04
	Client Contact: Tim Cook	Date Reported: 05/28/04
	Client P.O.:	Date Completed: 05/28/04

WorkOrder: 0405353

May 28, 2004

Dear Tim:

Enclosed are:

1). the results of **14** analyzed samples from your **#4225; MBM UST project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

W. A. Craig Inc.	Client Project ID: #4225; MBM UST	Date Sampled: 05/20/04
6940 Tremont Road		Date Received: 05/21/04
Dixon, CA 95620-9603	Client Contact: Tim Cook	Date Extracted: 05/24/04
	Client P.O.:	Date Analyzed: 05/24/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0405353

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	WS-1 MBM	W	---	---	ND	ND	ND	ND	1	98.7
002A	WS-2 MBM	W	---	---	ND	ND	ND	ND	1	101
003A	WS-3 MBM	W	---	---	ND	ND	ND	ND	1	100

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

W. A. Craig Inc.	Client Project ID: #4225; MBM UST	Date Sampled: 05/20/04
6940 Tremont Road		Date Received: 05/21/04
Dixon, CA 95620-9603	Client Contact: Tim Cook	Date Extracted: 05/22/04
	Client P.O.:	Date Analyzed: 05/24/04-05/25/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0405353

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
004A	TP-1 MBM	S	---	---	ND	ND	ND	ND	1	101
005A	TP-2 MBM	S	---	---	ND	ND	ND	ND	1	93.2
006A	TP-3 MBM	S	---	---	ND	ND	ND	ND	1	90.3
007A	TP-4 MBM	S	---	---	ND	ND	ND	ND	1	96.0
008A	TP-5 MBM	S	---	---	ND	ND	ND	ND	1	95.8
009A	TP-6 MBM	S	---	---	ND	ND	ND	ND	1	91.0
010A	TP-7 MBM	S	---	---	ND	ND	ND	ND	1	86.5
011A	CP-1-4	S	---	---	ND	ND	ND	ND	1	101
012A	CP-5-8	S	---	---	ND	ND	ND	ND	1	97.6
013A	CP-9-12	S	---	---	ND	ND	ND	ND	1	96.8
014A	CP-13-16	S	---	---	ND	ND	ND	ND	1	88.6

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4225; MBM UST	Date Sampled: 05/20/04
		Date Received: 05/21/04
	Client Contact: Tim Cook	Date Extracted: 05/22/04
	Client P.O.:	Date Analyzed: 05/24/04-05/27/04

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0405353

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0405353-001C	WS-1 MBM	W	220,a/c	1	99.7
0405353-002C	WS-2 MBM	W	150,a/c	1	100
0405353-003C	WS-3 MBM	W	5500,a	1	103
0405353-004A	TP-1 MBM	S	ND	1	102
0405353-005A	TP-2 MBM	S	ND	1	103
0405353-006A	TP-3 MBM	S	ND	1	88.1
0405353-007A	TP-4 MBM	S	ND	1	90.4
0405353-008A	TP-5 MBM	S	5.7,g,b	1	103
0405353-009A	TP-6 MBM	S	ND	1	86.6
0405353-010A	TP-7 MBM	S	ND	1	84.7
0405353-011A	CP-1-4	S	4.4,a/m	1	101
0405353-012A	CP-5-8	S	7.5,a/c	1	102
0405353-013A	CP-9-12	S	16,a/c	1	103
0405353-014A	CP-13-16	S	7.3,a/c	1	103

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

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Website: www.mccampbell.com E-mail: main@mccampbell.com

W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4225; MBM UST	Date Sampled: 05/20/04
		Date Received: 05/21/04
	Client Contact: Tim Cook	Date Extracted: 05/25/04
	Client P.O.:	Date Analyzed: 05/25/04

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0405353

Lab ID	0405353-001B	0405353-002B	0405353-003B	0405353-004A	Reporting Limit for DF =1	
Client ID	WS-1 MBM	WS-2 MBM	WS-3 MBM	TP-1 MBM		
Matrix	W	W	W	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				µg/Kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	5.0	0.5
t-Butyl alcohol (TBA)	ND	ND	ND	ND	25	5.0
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	5.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	5.0	0.5
Diisopropyl ether (DIPE)	ND	ND	ND	ND	5.0	0.5
Ethanol	ND	ND	ND	ND	250	50
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	5.0	0.5
Methanol	ND	ND	ND	ND	2500	500
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	5.0	0.5
Surrogate Recoveries (%)						
%SS:	101	99.8	101	96.4		
Comments						

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4225; MBM UST	Date Sampled: 05/20/04
		Date Received: 05/21/04
	Client Contact: Tim Cook	Date Extracted: 05/25/04
	Client P.O.:	Date Analyzed: 05/25/04

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0405353

Lab ID	0405353-005A	0405353-006A	0405353-007A	0405353-008A	Reporting Limit for DF =1	
Client ID	TP-2 MBM	TP-3 MBM	TP-4 MBM	TP-5 MBM		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				µg/Kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	5.0	0.5
t-Butyl alcohol (TBA)	ND	ND	ND	ND	25	5.0
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	5.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	5.0	0.5
Diisopropyl ether (DIPE)	ND	ND	ND	ND	5.0	0.5
Ethanol	ND	ND	ND	ND	250	50
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	5.0	0.5
Methanol	ND	ND	ND	ND	2500	500
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	5.0	0.5
Surrogate Recoveries (%)						
%SS:	96.4	96.0	98.3	87.1		
Comments						

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

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W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4225; MBM UST	Date Sampled: 05/20/04
		Date Received: 05/21/04
	Client Contact: Tim Cook	Date Extracted: 05/25/04
	Client P.O.:	Date Analyzed: 05/25/04

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0405353

Lab ID	0405353-009A	0405353-010A	0405353-011A	0405353-012A	Reporting Limit for DF =1	
Client ID	TP-6 MBM	TP-7 MBM	CP-1-4	CP-5-8		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				µg/Kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	5.0	0.5
t-Butyl alcohol (TBA)	ND	ND	ND	ND	25	5.0
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	5.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	5.0	0.5
Diisopropyl ether (DIPE)	ND	ND	ND	ND	5.0	0.5
Ethanol	ND	ND	ND	ND	250	50
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	5.0	0.5
Methanol	ND	ND	ND	ND	2500	500
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	5.0	0.5
Surrogate Recoveries (%)						
%SS:	95.8	99.7	98.1	94.8		
Comments						

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

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W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4225; MBM UST	Date Sampled: 05/20/04
		Date Received: 05/21/04
	Client Contact: Tim Cook	Date Extracted: 05/25/04
	Client P.O.:	Date Analyzed: 05/25/04

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0405353

Lab ID	0405353-013A	0405353-014A			Reporting Limit for DF =1	
Client ID	CP-9-12	CP-13-16				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				µg/Kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND			5.0	0.5
t-Butyl alcohol (TBA)	ND	ND			25	5.0
1,2-Dibromoethane (EDB)	ND	ND			5.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND			5.0	0.5
Diisopropyl ether (DIPE)	ND	ND			5.0	0.5
Ethanol	ND	ND			250	50
Ethyl tert-butyl ether (ETBE)	ND	ND			5.0	0.5
Methanol	ND	ND			2500	500
Methyl-t-butyl ether (MTBE)	ND	ND			5.0	0.5
Surrogate Recoveries (%)						
%SS:	101	103				
Comments						

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0405353

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 11637 Spiked Sample ID: 0405353-007A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex) £	ND	0.60	98.7	106	6.97	102	96	6.50	70	130
MTBE	ND	0.10	95.8	106	10.1	102	102	0	70	130
Benzene	ND	0.10	105	110	4.68	107	105	1.63	70	130
Toluene	ND	0.10	88.8	94.1	5.71	89.2	87.8	1.63	70	130
Ethylbenzene	ND	0.10	106	114	6.67	107	107	0	70	130
Xylenes	ND	0.30	96	107	10.5	96	96	0	70	130
%SS:	96.0	0.10	96.2	96.7	0.518	89.7	90	0.334	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

TL QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0405353

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 11634 Spiked Sample ID: 0405353-002A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	105	104	1.23	104	103	0.360	70	130
MTBE	ND	10	116	116	0	105	105	0	70	130
Benzene	ND	10	113	113	0	110	108	1.70	70	130
Toluene	ND	10	108	109	0.318	116	101	14.3	70	130
Ethylbenzene	ND	10	114	114	0	114	111	3.01	70	130
Xylenes	ND	30	103	100	3.28	100	100	0	70	130
%SS:	101	10	107	108	0.442	104	104	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

TL QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0405353

EPA Method: SW8015C Extraction: SW3550C BatchID: 11646 Spiked Sample ID: 0405353-007A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	84.9	82	3.57	83.6	85.2	1.94	70	130
%SS:	90.4	50	97.4	95	2.53	97.3	98.5	1.28	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

TL QA/QC Officer

McCampbell Analytical, Inc.

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QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0405353

EPA Method: SW8015C Extraction: SW3510C BatchID: 11627 Spiked Sample ID: N/A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	104	103	1.37	70	130
%SS:	N/A	2500	N/A	N/A	N/A	104	102	1.32	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

TL QA/QC Officer

McCampbell Analytical, Inc.

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QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0405353

EPA Method: SW8260B Extraction: SW5030B BatchID: 11647 Spiked Sample ID: 0405359-003A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
tert-Amyl methyl ether (TAME)	ND	50	86.5	91.6	5.76	106	106	0	70	130
t-Butyl alcohol (TBA)	ND	250	85.7	95.5	10.8	96.4	99	2.70	70	130
1,2-Dibromoethane (EDB)	ND	50	98.8	111	11.5	113	112	0.807	70	130
1,2-Dichloroethane (1.2-DCA)	ND	50	114	122	7.36	101	103	1.78	70	130
Diisopropyl ether (DIPE)	ND	50	117	121	3.65	121	120	0.507	70	130
Ethanol	ND	2500	98.9	97.5	1.47	100	107	6.86	70	130
Ethyl tert-butyl ether (ETBE)	ND	50	99.2	106	7.00	119	118	0.320	70	130
Methanol	ND	12500	80.8	78.9	2.39	101	102	0.945	70	130
Methyl-t-butyl ether (MTBE)	ND	50	94	102	8.55	107	113	5.50	70	130
%SS1:	97.0	50	96.3	96.2	0.140	102	102	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

QA/QC Officer

DHS Certification No. 1644

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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0405353

EPA Method: SW8260B	Extraction: SW5030B			BatchID: 11632		Spiked Sample ID: 0405065-036A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
tert-Amyl methyl ether (TAME)	ND	50	90.7	83	8.89	90.2	86.2	4.45	70	130
t-Butyl alcohol (TBA)	ND	250	90.9	95.7	5.13	96.7	82.3	16.1	70	130
1,2-Dibromoethane (EDB)	ND	50	106	102	4.21	106	97	8.61	70	130
1,2-Dichloroethane (1.2-DCA)	ND	50	118	109	7.39	109	97.4	11.4	70	130
Diisopropyl ether (DIPE)	ND	50	116	110	5.10	117	110	6.81	70	130
Ethanol	ND	2500	98.9	97.7	1.18	105	98.2	6.86	70	130
Ethyl tert-butyl ether (ETBE)	ND	50	102	95.8	6.14	105	94.8	9.81	70	130
Methanol	ND	12500	89.1	77.7	13.6	100	92.6	8.16	70	130
Methyl-t-butyl ether (MTBE)	ND	50	98.4	92	6.76	97.9	87.5	11.3	70	130
%SS1:	105	50	99.4	95.6	3.83	98.6	93	5.77	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

Matrix: W WorkOrder: 0405353

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 11630	Spiked Sample ID: 0405353-002B

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
tert-Amyl methyl ether (TAME)	ND	10	93.6	100	7.00	95.9	88.6	7.89	70	130
t-Butyl alcohol (TBA)	ND	50	94.8	113	17.8	111	94.4	15.9	70	130
1,2-Dibromoethane (EDB)	ND	10	111	115	3.90	114	105	7.75	70	130
1,2-Dichloroethane (1,2-DCA)	ND	10	119	122	2.28	119	112	6.37	70	130
Diisopropyl ether (DIPE)	ND	10	117	123	5.44	113	107	5.67	70	130
Ethanol	ND	500	106	96.1	9.51	102	101	1.23	70	130
Ethyl tert-butyl ether (ETBE)	ND	10	105	111	5.79	106	97.7	7.89	70	130
Methanol	ND	2500	95.6	94.2	1.45	100	100	0	70	130
Methyl-t-butyl ether (MTBE)	ND	10	102	111	8.11	106	95.8	10.1	70	130
%SS1:	99.8	10	102	106	4.67	105	101	4.12	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0405353 **ClientID: WACD**

Report to:
Tim Cook
W. A. Craig Inc.
6940 Tremont Road
Dixon, CA 95620-9603

TEL: (707) 310-1741
FAX: (707) 693-2922
ProjectNo: #4225; MBM UST
PO:

Bill to:
Christine
W. A. Craig Inc.
6940 Tremont Road
Dixon, CA 95620-9603

Requested TAT: **5 days**

Date Received: **5/21/04**
Date Printed: **5/22/04**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0405353-001	WS-1 MBM	Water	5/20/04 2:10:00 PM	☐		B		A		C									
0405353-002	WS-2 MBM	Water	5/20/04 2:15:00 PM	☐		B		A		C									
0405353-003	WS-3 MBM	Water	5/20/04 2:35:00 PM	☐		B		A		C									
0405353-004	TP-1 MBM	Soil	5/20/04 2:55:00 PM	☐	A		A		A										
0405353-005	TP-2 MBM	Soil	5/20/04 3:15:00 PM	☐	A		A		A										
0405353-006	TP-3 MBM	Soil	5/20/04 3:17:00 PM	☐	A		A		A										
0405353-007	TP-4 MBM	Soil	5/20/04 3:20:00 PM	☐	A		A		A										
0405353-008	TP-5 MBM	Soil	5/20/04 3:45:00 PM	☐	A		A		A										
0405353-009	TP-6 MBM	Soil	5/20/04 4:00:00 PM	☐	A		A		A										
0405353-010	TP-7 MBM	Soil	5/20/04 4:05:00 PM	☐	A		A		A										
0405353-011	CP-1-4	Soil	5/20/04	☐	A		A		A										
0405353-012	CP-5-8	Soil	5/20/04	☐	A		A		A										
0405353-013	CP-9-12	Soil	5/20/04	☐	A		A		A										
0405353-014	CP-13-16	Soil	5/20/04	☐	A		A		A										

Test Legend:

1	9-OXYS_S	2	9-OXYS_W	3	G-MBTEX_S	4	G-MBTEX_W	5	TPH(D)_S
6	TPH(D)_W	7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Wacd

0405353

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
(925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

Turn Around Time: RUSH 24 HR 48 HR 72 HR (5 DAY)
EDF Required: Yes No

Report To: PLEASANTON/LIVERMORE RD Bill To: W. A. Craig, Inc.
Company: W.A. Craig, Inc.
Address: 6940 Tremont Rd., Dixon, CA 95620
E-Mail: tech@wacraig.com
Tel: (707) 693-2929 Fax: (707) 693-2922
Project #: 4225 Proj. Name: MBM UST
Project Location: 5675 SUNOL BLVD, PLEASANTON, CA
Sampler Signature: Mark Craig

SAMPLE ID	DEPTH	DATE	TIME	# Containers	Type Containers	MATRIX: Water	MATRIX: Soil	METHOD PRESERVED: Ice	HCl	HNO_3	H_2SO_4
WS-1MBM	11'	5.20.04	2:10		JAR	X					
WS-2MBM	11'		2:15		JAR	X					
WS-3MBM	10'5"		2:25		JAR	X					
TP-1MBM	11'8"		2:55		SLEEVE		X				
TP-2MBM	11'5"		3:05		SLEEVE		X				
TP-3MBM	11'2"		3:17		SLEEVE		X				
TP-4MBM	11'		3:20		SLEEVE		X				
TP-5MBM	11'		3:45		SLEEVE		X				
TP-6MBM	5'		4:00		SLEEVE		X				
TP-7MBM	11'		4:05		SLEEVE		X				
CP-1, CP-2, CP-3, CP-4					SLEEVE		X				
CP-5, CP-6, CP-7, CP-8					"		X				
CP-9, CP-10, CP-11, CP-12							X				
CP-13, CP-14, CP-15, CP-16							X				

Analysis Request

BTEX+MBE & TPH-g (8021B & 8015M)	TPH as Diesel (8015M)	Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	Halogenated VOCs (EPA 601 / 8010)	BTEX only (EPA 602 / 8021B)	Fuel Additives/Oxygenates (EPA 8260)	VOCs (EPA 8260)	SVOCs (EPA 625/8270)	Pesticides (EPA 608/8081)	PCBs only (EPA 608/8080)	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	MTBE + OTHER OXYGENATES 8260	EDB + EDC 8260
	X				X									X	X

Comments: COMPOSITE

Relinquished By:	Date:	Time:	Received By:
Mark Craig	5/21	9:10pm	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ____

PRESERVATION VOAS ✓ O&G METALS OTHER
APPROPRIATE CONTAINERS NO
PERSERVED IN LAB ____

McCampbell Analytical, Inc.

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W. A. Craig Inc.	Client Project ID: #4224; MBM	Date Sampled: 06/03/04
		Date Received: 06/04/04
6940 Tremont Road	Client Contact: Christine Truesdale	Date Extracted: 06/04/04
Dixon, CA 95620-9603	Client P.O.:	Date Analyzed: 06/05/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0406075

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	PB-1	S	ND	ND	ND	ND	ND	ND	1	87.9
002A	PB-2	S	ND	ND	ND	ND	ND	ND	1	87.1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

for Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

W. A. Craig Inc.	Client Project ID: #4224; MBM	Date Sampled: 06/03/04
6940 Tremont Road		Date Received: 06/04/04
Dixon, CA 95620-9603	Client Contact: Christine Truesdale	Date Extracted: 06/04/04
	Client P.O.:	Date Analyzed: 06/08/04

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0406075

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0406075-001A	PB-1	S	ND	1	107
0406075-002A	PB-2	S	ND	1	117

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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W. A. Craig Inc.	Client Project ID: #4224; MBM	Date Sampled: 06/03/04
6940 Tremont Road		Date Received: 06/04/04
Dixon, CA 95620-9603	Client Contact: Christine Truesdale	Date Extracted: 06/04/04
	Client P.O.:	Date Analyzed: 06/09/04

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0406075

Lab ID	0406075-001A	0406075-002A			Reporting Limit for DF =1	
Client ID	PB-1	PB-2				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				µg/Kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND			5.0	NA
t-Butyl alcohol (TBA)	ND	ND			25	NA
1,2-Dibromoethane (EDB)	ND	ND			5.0	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND			5.0	NA
Diisopropyl ether (DIPE)	ND	ND			5.0	NA
Ethanol	ND	ND			250	NA
Ethyl tert-butyl ether (ETBE)	ND	ND			5.0	NA
Methanol	ND	ND			2500	NA
Methyl-t-butyl ether (MTBE)	ND	ND			5.0	NA
Surrogate Recoveries (%)						
%SS:	108	109				
Comments						

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0406075 **ClientID: WACD**

Report to:
Christine Truesdale
W. A. Craig Inc.
6940 Tremont Road
Dixon, CA 95620-9603
TEL: (707) 693-2929
FAX: (707) 693-2922
ProjectNo: #4224; MBM
PO:

Bill to:
Christine
W. A. Craig Inc.
6940 Tremont Road
Dixon, CA 95620-9603

Requested TAT: 5 days
Date Received: 6/4/04
Date Printed: 6/4/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0406075-001	PB-1	Soil	6/3/04 2:00:00 PM	☐	A	A	A												
0406075-002	PB-2	Soil	6/3/04 2:20:00 PM	☐	A	A	A												

Test Legend:

1	9-OXYS_S	2	G-MBTEX_S	3	TPH(D)_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCAMBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

Report To: Christine Bill To:
Company: W. A. Craig
6940 Tremont Road
Dixon, CA 95620-9603
Tele: (707) 693-2929 Fax: (707) 693-2922
Project #: 4224 Project Name: MBM
Project Location: Pleasanton
Sampler Signature:

SAMPLE ID	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602/8020 + 8015)/ MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 (8260) 9 Days	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
PB-1		6-3	14:00	1			X				X				X	X							X								
PB-2		6-3	14:20	1			X				X				X	X							X								

Relinquished By: Date: 6/4/04 Time: 1400 Received By:
Relinquished By: Date: 6-4-04 Time: 1605 Received By:
Relinquished By: Date: Time: Received By:

Remarks:

Appendix B

Tank Disposal Manifests

State of California
Form Approved
Please print or

Protection Agency
039 (Expires 9-30-99)
Signed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAC002185209229 46			

3. Generator's Name and Mailing Address
MBM TRANSPORTATION
5675 SUNOL BLVD. PLEASANTON, CA 94566

4. Generator's Phone (925) 417-6200

A. State Manifest Document Number: 23422946

B. State Generator's ID:

5. Transporter 1 Company Name: Ecology Control Industries

6. US EPA ID Number: CAD982030173

C. State Transporter's ID (Reserved):

D. Transporter's Phone: 510-235-1393

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID (Reserved):

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Ecology Control Industries
255 PARR BLVD.
RICHMOND , CA 94801

10. US EPA ID Number: CAD009466392

G. State Facility's ID:

H. Facility's Phone: 510-235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID (EMPTY STORAGE TANK)	001	TP	29000	P	State: EPA/Other: NONE
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above: 31636
TANKS HAVE BEEN INERTED WITH 15 LBS DRY ICE PER 1000 GALLONS CAPACITY
ECI JAN = 52T1207

K. Handling Codes for Wastes Listed Above: a. 99 b. c. d.

15. Special Handling Instructions and Additional Information
Wear proper protective equipment while handling. Weights or volumes are approximate.
24 hour emergency number: SITE ADDRESS:
24 hour emergency contact:

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	Signature	Month	Day	Year
AL MONCEAUX		05	13	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
OSCAR LEIVA		05	13	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
James Wilcox	James Wilcox	05	13	04

DO NOT WRITE BELOW THIS LINE.

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

DTSC 8022A (1/99)
EPA 8700—22

GENERATOR

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

State of Califor
Form Approve
Please print o

Protection Agency
039 (Expires 9-30-99)
gned for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Contr
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAC002185209229 45			

GENERATOR

3. Generator's Name and Mailing Address
MBM TRANSPORTATION
5675 SUNOL BLVD., PLEASANTON, CA. 94566
4. Generator's Phone (925) 417.6200

A. State Manifest Document Number: 2342945
B. State Generator's ID:

5. Transporter 1 Company Name: Ecology Control Industries
6. US EPA ID Number: CAD982030173
C. State Transporter's ID: Reserved
D. Transporter's Phone: 510-235-1393

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID: Reserved
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Ecology Control Industries
255 PARR BLVD.
RICHMOND , CA 94801
10. US EPA ID Number: CAD009466392
G. State Facility's ID:
H. Facility's Phone: 510-235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID (EMPTY STORAGE TANK)	001	TP	20000	P	State: CA2 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 # 31637
TANKS HAVE BEEN
INERTED WITH 15 LBS DRY ICE PER 1000 GALLONS CAPACITY
ECOLOGY CONTROL # 52T1207

K. Handling Codes for Wastes Listed Above
a. 99
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear proper protective equipment while handling. Weights or volumes are approximate.
24 hour emergency number:
SITE ADDRESS:
24 hour emergency contact:

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.

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Printed/Typed Name	Signature	Month	Day	Year
AL MONCEAUX		05	13	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
OSCAR LEIVA		05	13	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
James Wilcox	James Wilcox	05	14	04

DO NOT WRITE BELOW THIS LINE.

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

DTSC 8022A (1/99)
EPA 8700—22

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

State of Californ
Form Approved
Please print c

Protection Agency
...039 (Expires 9-30-99)
...gned for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Contr
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. / Manifest Document No.: CAC002185209 22944
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MBM TRANSPORTATION
5675 SUNOL BLVD., PLEASANTON, CA 94566
4. Generator's Phone (925 417. 6200

A. State Manifest Document Number: 23422944
B. State Generator's ID:

5. Transporter 1 Company Name: ~~Ecology Control Industries~~ PSC
6. US EPA ID Number: CAD982030173
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 510-235-1393

7. Transporter 2 Company Name: PSC
8. US EPA ID Number: CAR000018411
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:

9. ~~Designated~~ Facility Name and Site Address
~~Ecology Control Industries~~
255 PARR BLVD.
RICHMOND , CA 94801
10. US EPA ID Number: CAD009466392
G. State Facility's ID:
H. Facility's Phone: 510-235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID (EMPTY STORAGE TANK)	001	TP	06000	P	State: 512 EPA/Other: NONE
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above: 3163B
TANKS HAVE BEEN INERTED WITH 16 LBS DRY ICE PER 1000 GALLONS CAPACITY
EQ I.D. # = 52T1207

K. Handling Codes for Wastes Listed Above
a. 99
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear proper protective equipment while handling. Weights or volumes are approximate.
24 hour emergency number: 925 417 6200
24 hour emergency contact: AL MONCEAUX
SITE ADDRESS: 5675 SUNOL BLVD PLEASANTON CA

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.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
AL MONCEAUX		05	13	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
REGGIE CHRISS		05	13	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
CHRIS WISE		05	13	04

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

DO NOT WRITE BELOW THIS LINE.

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

DTSC 8022A (1/99)
EPA 8700—22

Appendix C

Rinse Water Disposal Manifest

07/16/2004 08:13 [illegible]

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC002185209 | Manifest Document No. 085521 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: MBM Corp. 5675 Sunol Blvd Pleasanton, CA. 94566

4. Generator's Phone: 925 417-6200

A. State Manifest Document Number: 23808852

B. State Generator's ID:

C. State Transporter's ID (Required): 3344

D. Transporter's Phone: (707) 448-3700

5. Transporter 1 Company Name: Fremont Environmental Service Inc. | 6. US EPA ID Number: CAD000218517

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

E. State Transporter's ID (Required):

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Ramos Environmental Service, 1515 S. River Road, West Sacramento, CA 95691 | 10. US EPA ID Number: CAD044003516

G. State Facility's ID: CAD044003516

H. Facility's Phone: (916) 371-5747

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE, LIQUID. (Oily water) E.R.G #171	001	TT	00450	G	State 223 / EPA/Other None
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above: a. T4 b. c. d.

15. Special Handling Instructions and Additional Information
Handlers to be trained and use PPE.
Emergency Phone (916) 371-5747

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	Signature	Month	Day	Year
Ted MARTIN		07	07	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Theodore H. Fremont		07	07	04

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	Signature	Month	Day	Year
Armando Martinez Jr.		07	08	04

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
A 8700—22

Green: TRANSPORTER RETAINS

ORIGINAL
File Original, Duplicate and Triplicate with the
DIVISION OF WATER RESOURCES
P. O. BOX 1079
SACRAMENTO 5, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

DIVISION OF WATER RESOURCES

SHEET 1

01-1879

Do Not Fill In

State Well No.
Other Well No.
Region

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

(1) **Driller:**
Name Acme Drilling Service--R. A. Fones
Address 832 Cleveland St.
Oakland 6, Calif.
License No. 122594 Classification C-57

Owner:
Name E. Brondola
Address 37 Neal St.
Pleasanton, Calif.

(2) **Proposed use or uses** *(check)*:
Domestic ☐ Municipal ☐
Irrigation ☒ Industrial ☐
Domestic and Irrigation ☐ Test well ☐
Other

(3) **Equipment used** *(check)*:
Rotary ☐
Cable ☐
Dug well ☐
Other

(4) **Type of work** *(check)*:
New well ☒ Reconditioning of well ☐
Deepening existing well ☐

(5) **Well log:** Well No. 1
Total depth of well 75 ft.

Depth From Ground Surface | Give details of formations penetrated, such as silt, peat, muck, sand, gravel, clay, shale, sandstone, hardpan, rock. Include size of gravel (diameter) and sand (fine, medium, coarse), color of material, structure (loose, packed, cemented, soft, hard, brittle).

1 ft. to 75 ft. | Yellow clay
No water
Abandoned

FOR OFFICIAL USE ONLY

If additional space is required, continue on DWR Form No. 246—Supplement, and attach to respective report copies.

(6) **Casing left in well:**

LENGTH FT.	DIAMETER INCHES	SINGLE, DOUBLE, WELDED, OTHER	LBS. PER FOOT OR GAGE OF CASING	SEATING BELOW GROUND SURFACE, FT.

Type and size of shoe or well ring Welded joints—☐ Yes ☐ No

ORIGINAL
File Original, Duplicate and Triplicate with the
DIVISION OF WATER RESOURCES
P. O. BOX 1027
SACRAMENTO 5, CALIFORNIA

E. Brondola--Well No. 1

SHEET 2

107-1879 8.

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In
State Well No.
Other Well No.
Region

No water--well abandoned

(7) Perforations:

Type of perforator used

Perforated ft. to ft. Hole size No. of holes

" " " " " " " " " " " "

(8) Water levels:

Depth at which water first encountered ft.
Depth to water before perforating ft.
Depth to water after perforating ft.
Note any change in water level while drilling

(9) Well pumping test:

Date of test By whom
Depth to water when test started ft.
G.P.M. at beginning of test
Drawdown from standing level ft.
G.P.M. at completion of test
Drawdown at completion of test ft.
Length of time tested
Temperature of water
Was gas present in water? ☐ Yes ☐ No

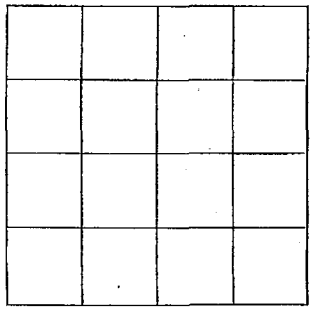
(10) General:

Was well gravel packed? Size of rock Thickness of pack
Was a surface sanitary seal provided?
Were any strata sealed against pollution? ☐ Yes ☐ No If yes, attach detailed description.
Strata sealed
Was analysis made of water? ☐ Yes ☐ No If yes, attach copy.
Was electric log made of well? ☐ Yes ☐ No If yes, attach copy.
If well abandoned, was it plugged and sealed?
Method of plugging and sealing

FOR OFFICIAL USE ONLY

(11) Location:

North



1 MILE

Section No.
Township
Range
Base & Meridian
Show location of well in Section, thus (X)
Distances to section lines from well, N or S ft. and E or W ft.
Show location of nearest known well, thus (O)
Distance to nearest known well ft.

(12) Time of work:

Work started date 8-8-51 Completed date 8-10-51
Date of this report 8-22-51

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

[SIGNED] R. A. Jones
Well Driller
By Dorothy Jones

License No. 122594 Classification C-57
Dated Aug. 22, 1951

.5 mile from Pleasanton on Pleasonton-Sunol Road

D.W.R. FORM NO. 246 REGIONAL WATER POLLUTION CONTROL BOARD COPY 23972 3-50 40M QUIN SPO

Alameda
SHEET 1

ORIGINAL
Original, Duplicate and Triplicate with the
DIVISION OF WATER RESOURCES
P.O. BOX 1079
SACRAMENTO 5, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES

01-1880
Do Not File In

State Well No.
Other Well No.
Region

Well No. 2

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

(1) **Driller:**
Name Acmea Drilling Service-R. A. Fones
Address 832 Cleveland St.
Oakland 6, Calif.
License No. 122594 Classification C-57

(2) **Proposed use or uses** *(check)*:
Domestic ☐ Municipal ☐
Irrigation ☒ Industrial ☐
Domestic and Irrigation ☐ Test well ☐
Other

(3) **Equipment used** *(check)*:
Rotary ☐
Cable ☐
Dug well ☐
Other

Owner:
Name E. Brondola
Address 37 Neal St.
Pleasanton, Calif

(4) **Type of work** *(check)*:
New well ☒ Reconditioning of well ☐
Deepening existing well ☐

(5) **Well log:**
Total depth of well 120 ft.

Depth From Ground Surface

Give details of formations penetrated, such as silt, peat, muck, sand, gravel, clay, shale, sandstone, hardpan, rock. Include size of gravel (diameter) and sand (fine, medium, coarse), color of material, structure (loose, packed, cemented, soft, hard, brittle).

1	8	Black Loam
8	43	Yellow Clay
43	76	Yellow Clay, gravel, water
76	82	Heavy Gravel
90	91	Light Gravel
91	114	Yellow Clay
114	116	Yellow Clay, Gravel
116	120	Yellow clay

Casing set to 105 ft.

Well filled from 105 to 120 ft. with Coarse Gravel.
Surface sealed

FOR OFFICIAL USE ONLY

If additional space is required, continue on DWR Form No. 246—Supplement, and attach to respective report copies.

(6) **Casing left in well:**

LENGTH FT.	DIAMETER INCHES	SINGLE, DOUBLE, WELDED, OTHER	LBS. PER FOOT OR GAGE OF CASING	SEATING BELOW GROUND SURFACE, FT.
105	10	Welded	3/16	

Type and size of shoe or well ring 3/4 x 8 Welded joints—☒ Yes ☐ No

D.W.R. FORM NO. 246 REGIONAL WATER POLLUTION CONTROL BOARD COPY 23971 3-50 40M QUIN SPO

FINAL
File original, Duplicate and Triplicate with the
DIVISION OF WATER RESOURCES
P. O. BOX 1079
SACRAMENTO 5, CALIFORNIA

E. Brondola -- Well No. 2

SHEET 2

A07-1880

Do Not Fill In
State Well No.
Other Well No.
Region

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

(7) Perforations:

Type of perforator used: Torch

Perforated From shoe up ft. to 47 ft. from bottom ft. Hole size 1/8 x5 No. of holes 6 rows every f·

25 ft. of perforations

(8) Water levels:

Depth at which water first encountered 44 ft.
Depth to water before perforating ft.
Depth to water after perforating ft.
Note any change in water level while drilling

(9) Well pumping test:

Date of test By whom
Depth to water when test started ft.
G.P.M. at beginning of test approx. 30 gal. per min.
Drawdown from standing level ft.
G.P.M. at completion of test
Drawdown at completion of test ft.
Length of time tested
Temperature of water
Was gas present in water? ☐ Yes ☒ No

(10) General:

Was well gravel packed? no Size of rock Thickness of pack
Was a surface sanitary seal provided? yes
Were any strata sealed against pollution? ☒ Yes ☐ No If yes, attach detailed description.
Strata sealed
Was analysis made of water? ☐ Yes ☒ No If yes, attach copy.
Was electric log made of well? ☐ Yes ☐ No If yes, attach copy.
If well abandoned, was it plugged and sealed?
Method of plugging and sealing

FOR OFFICIAL USE ONLY

(11) Location:

North

1 MILE

Section No.
Township
Range
Base & Meridian
Show location of well in Section, thus (X)
Distances to section lines from well, N or S ft. and E or W ft.
Show location of nearest known well, thus (O)
Distance to nearest known well ft.

.5 mile from Pleasanton on Pleasanton-Sunol Road

(12) Time of work:

Work started date 8-11-51 Completed date 8-16-51
Date of this report 8-22-51

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

[SIGNED] R. A. Fones
Well Driller
By Dorothy Fones

License No. 122594 Classification C-57
Dated Aug. 22, 1951

FORM 115
INVESTIGATION

DIVISION OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

SHEET 1

NUMBER 01-1881

WELL LOG

LOCAL DESIGNATION

LOCATION Well No 1 Line "B"

OWNER Spring Valley Wtr Co

DATE COMPLETED

DIAMETER OF CASING

DRILLED BY

SOURCE OF INFORMATION

INSPECTED WHILE DRILLING SEE FILE NO.

SURFACE ELEVATION

SKETCH

DEPTH	ELEVATION OF BOTTOM OF STRATUM	MATERIAL	THICKNESS FEET	% VOIDS	ABSOLUTE VOIDS FEET	TOTAL VOIDS FEET
0	4	Black loam				
4	10	Bl Cl				
10	15	Yellow clay				
15	19	Bl.				
19	30	Yellow Clay				
30	35	Sand & Gravel				
35	40	Yellow Sand				
40	52	Coarse Gravel				
52	54	Cemented Sand				
54		Well Finished				
		Pipe is cut from 53-47'				

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE

97588 9-32 15M CALIFORNIA STATE PRINTING OFFICE

FORM 115
INVESTIGATION

DIVISION OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

SHEET 1

NUMBER 01-1882

WELL LOG

LOCAL DESIGNATION

LOCATION Well No 3 Line "C"

OWNER Spring Valley Wtr. Co.

DATE COMPLETED

DIAMETER OF CASING

DRILLED BY

SOURCE OF INFORMATION

INSPECTED WHILE DRILLING SEE FILE NO.

SURFACE ELEVATION

SKETCH

DEPTH	ELEVATION OF BOTTOM OF STRATUM	MATERIAL	THICKNESS FEET	% VOIDS	ABSOLUTE VOIDS FEET	TOTAL VOIDS FEET
2	2	Black bog				
2	10	Blue Clay				
10	28	Yellow Clay				
28	34	Yellow Sand				
34	40	Gravel				
40	51	"				
51	54	Yellow Clay				
54		Well finished				
		Pipe cut from 50' - 38'				

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE

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01-1882

REGION

COUNTY

NEAR

DEPARTMENT OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

WELL LOG

BASIN

DWR No. 3S/1E-29C 3 B & M

OTHER Nos.

3
line "C"

LOCATION

OWNER ADDRESS

DRILLED BY ADDRESS

DRILLING METHOD GRAVEL PACKED DATE COMPLETED

SIZE OF CASING DEPTH 14" to 9' STRUCK WATER AT

PERFORATIONS 38-50' SIZE No.

WATER LEVEL BEFORE PERFORATING AFTER

TEST DATA: DISCHARGE G. P. M. DRAWDOWN FT. HOURS RUN

OTHER DATA AVAILABLE: WATER LEVEL RECORD ANALYSIS

SURFACE ELEV. DATUM SOURCE OF INFORMATION Spring Valley Water co 1912 report

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICK-NESS	SP. YIELD %	
0 - 2		black bog			
2 - 10		blue clay			
10 - 28		yellow clay			
28 - 34		yellow sand			
34 - 51		gravel			
51 - 54		yellow clay			

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE SHEET 1 OF

FORM 263. 65981 11-57 10M △ SPO

01-1882

SPRING VALLEY WATER COMPANY
WATER DIVISION

Pleasanton Wells

Well #3 - Line C

Started Sept. 6, 1898

Outside Casing 14" - 9" down

Inside " 7" - 10" - 54" down

0	to 2'	= 2'	of Black Mud
2'	to 10'	= 8'	of Blue Clay
10'	to 28'	= 18'	of Yellow Clay
28'	to 34'	= 6'	of Yellow Sand
34'	to 40'	= 6'	of Gravel
40'	to 51'	= 11'	of Gravel
51'	to 54'	= 3'	of Yellow Clay

Well finished at 54 ft. at Yellow Clay - September 7, 1898

Pipe cut from 50 to 38 ft.

Struck water at 35 ft.

CONFIDENTIAL LOG

3/1E-22B3

FORM 115
INVESTIGATION

DIVISION OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

SHEET 1

NUMBER 01-1883

WELL LOG

LOCAL DESIGNATION

LOCATION Well No 9 Line "C"

OWNER Spring Valley Wtr. Co.

DATE COMPLETED

DIAMETER OF CASING

DRILLED BY

SOURCE OF INFORMATION

INSPECTED WHILE DRILLING SEE FILE NO.

SURFACE ELEVATION

SKETCH

DEPTH	ELEVATION OF BOTTOM OF STRATUM	MATERIAL	THICKNESS FEET	% VOIDS	ABSOLUTE VOIDS FEET	TOTAL VOIDS FEET
2	2	Soil				
6	6	Blue Clay				
10	10	Yellow Clay				
21	21	Blue Clay				
33	33	Yellow Clay				
35	35	Gravel				
59	59					
62	62	Yellow Clay				
64	64	Well Finished				
		Pipe out 62' - 32'				

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE

97598 9-32 15M CALIFORNIA STATE PRINTING OFFICE

01-1883

DIVISION OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

WELL LOG

REGION
COUNTY Region 7
NEAR Alameda Creek Investigation

BASIN
DWR No. 3S/1E ; 20P B & M
OTHER Nos. 9 Line "C"

LOCATION

OWNER ADDRESS

DRILLED BY ADDRESS

DRILLING METHOD GRAVEL PACKED DATE COMPLETED

SIZE OF CASING DEPTH 14" – 16' STRUCK WATER AT

PERFORATIONS 42' to 62' SIZE No.

WATER LEVEL BEFORE PERFORATING AFTER

TEST DATA: DISCHARGE G. P. M. DRAWDOWN FT. HOURS RUN

OTHER DATA AVAILABLE: WATER LEVEL RECORD ANALYSIS

SURFACE ELEV. DATUM SOURCE OF INFORMATION SVWCo. 1912 Report.

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %
0	2	Soil	2	
	6	Blue Clay	4	
	10	Yellow Clay	4	
	21	Blue Clay	11	
	35	Yellow Clay	14	
	62	Gravel	27	
	64	Yellow Clay	2	
		Well is finished at 64' deep.		

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE SHEET 1 OF

FORM 263. 47865 7-51 5M ② SPO

3S/1E 20 P

01-1PR3

SPRING VALLEY WATER COMPANY
WATER DIVISION

SUBJECT Pleasanton Wells DATE 1898
ACCOUNT Well #9 - Line C REFER MAP NO.
SHEET NO. OF SHEETS FILE NO.
COMPUTER CHECKED BY

Started Oct. 5, 1898
Outside Casing 14" - 16 ft. deep
Inside " 10" - 64 ft. deep

0	to 2' - 2'	of soil
2	to 6' - 4'	of Blue Clay
6	to 10' - 4'	of Yellow Clay
10	to 21' - 11'	of Blue Clay
21	to 33' - 12'	of Yellow Clay
33	to 35' - 2'	of " "
35	to 59' - 24'	of Gravel
59	to 62' - 3'	of "
62	to 64' - 2'	of Yellow Clay

Well finished at 64' deep at Yellow Clay - October 7, 1898
Pipe cut from 62 to 42 ft.
Water struck at 40 ft.

3/16-29C

35/1E 29C 90

FORM 115
INVESTIGATION

DIVISION OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

SHEET 1

NUMBER 01-1884

WELL LOG

LOCAL DESIGNATION

LOCATION Well No 8 Line "C"

OWNER Spring Valley Wtr Co

DATE COMPLETED

DIAMETER OF CASING

DRILLED BY

SOURCE OF INFORMATION

INSPECTED WHILE DRILLING SEE FILE NO.

SURFACE ELEVATION

SKETCH

DEPTH	ELEVATION OF BOTTOM OF STRATUM	MATERIAL	THICKNESS FEET	% VOIDS	ABSOLUTE VOIDS FEET	TOTAL VOIDS FEET
0	2	Soil				
2	16	Blue Clay				
16	34	Mixed Clay				
34	52	Sand & Gravel				
52	62	Gravel				
62	63	Calcined Clay				
63	64	Blue Clay				
64		Hard Formation				
		Reject out from 62'-40'				

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE

97588 9-32 15M CALIFORNIA STATE PRINTING OFFICE

01-1884

REGION Region 2
COUNTY Alameda Creek
NEAR Investigation

DIVISION OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

WELL LOG

BASIN
DWR No. 3S/1E 20P B & M
OTHER Nos. 8 Line "C"

LOCATION

OWNER ADDRESS

DRILLED BY ADDRESS

DRILLING METHOD GRAVEL PACKED DATE COMPLETED

SIZE OF CASING DEPTH 14" - 13' STRUCK WATER AT

PERFORATIONS 40' to 62' SIZE No.

WATER LEVEL BEFORE PERFORATING AFTER

TEST DATA: DISCHARGE G. P. M. DRAWDOWN FT. HOURS RUN

OTHER DATA AVAILABLE: WATER LEVEL RECORD ANALYSIS

SURFACE ELEV. DATUM SOURCE OF INFORMATION SVWCo. 1912 Report.

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %
0	2	Soil	2	
	16	Blue Clay	14	
	34	Mixed Clay	18	
	52	Sand & Gravel	18	
	62	Gravel	10	
	63	Yellow Clay	1	
	64	Blue Clay	1	
		Well is finished at 64'.		

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE SHEET 1 OF

FORM 263. 47895 7-51 5M ⓒ SPO

3S/1E 20P

01-1884

SPRING VALLEY WATER COMPANY
WATER DIVISION

SUBJECT Pleasanton Wells
ACCOUNT Well #8 - Line C
SHEET NO. OF SHEETS
COMPUTER CHECKED BY

DATE 1898
REFER MAP NO.
FILE NO.

Started Sept. 8, 1898
Outside Casing 14" - 13' deep
Inside " 10" - 64' deep

0 to 2' - 2' of Soil
2 to 16' - 14' of Blue Clay
16 to 34' - 18' of Mixed Clay
34 to 52' - 18' of Sand & Gravel
52 to 62' - 10' of Gravel

62 to 63' - 1' of Yellow Clay
63 to 64' - 1' of Blue Clay

Well finished at 64 ft. at Blue Clay - September 16, 1898
Pipe cut from 62 to 40 ft.
Struck water at 34 ft.

3S/1E 29C 89

FORM 115 INVESTIGATION

DIVISION OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

SHEET 1

NUMBER 01-1885

WELL LOG

LOCAL DESIGNATION

LOCATION Well No 7 Line "C"

OWNER Spring Valley Wtr. Co.

DATE COMPLETED

DIAMETER OF CASING

DRILLED BY

SOURCE OF INFORMATION

INSPECTED WHILE DRILLING SEE FILE NO.

SURFACE ELEVATION

SKETCH

DEPTH	ELEVATION OF BOTTOM OF STRATUM	MATERIAL	THICKNESS FEET	% VOIDS	ABSOLUTE VOIDS FEET	TOTAL VOIDS FEET
0	2	Sand				
2	8	Blue Clay				
8	11	Very Fine Gravel				
11	31	Blue Clay				
31	33					
33	45	Loose Gravel				
45	55	Tight Gravel				
55	61					
61	63	Yellow Clay				
63		Wood Formation				
		Reject at 61 - 45'				

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE

97588 9-32 15M CALIFORNIA STATE PRINTING OFFICE

01- 18S-

REGION Region 2
COUNTY Alameda Creek
NEAR Irrigation

DIVISION OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

WELL LOG

BASIN
DWR No. 3S/1E- 20P B & M
OTHER Nos. 7 "Line C"

LOCATION

OWNER ADDRESS

DRILLED BY ADDRESS

DRILLING METHOD GRAVEL PACKED DATE COMPLETED

SIZE OF CASING DEPTH 14" - 15' STRUCK WATER AT

PERFORATIONS 45' - 61' SIZE No.

WATER LEVEL BEFORE PERFORATING AFTER

TEST DATA: DISCHARGE G. P. M. DRAWDOWN FT. HOURS RUN

OTHER DATA AVAILABLE: WATER LEVEL RECORD ANALYSIS

SURFACE ELEV. DATUM SOURCE OF INFORMATION SVWCo. 1912 Report

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %
	2	Soil	2	
	8	Blue Clay	6	
	11	Very fine gravel	3	
	33	Blue Clay	22	
	45	Loose gravel	12	
	61	Tight Gravel	16	
	63	Yellow Clay	2	
		Well finished at 63 ft deep		

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE SHEET 1 OF

FORM 263. 47885 7-51 5M ⑨ SPO

3S/1E 20P

01-1880

SPRING VALLEY WATER COMPANY
WATER DIVISION

SUBJECT Pleasanton Pumps — DATE 1898
ACCOUNT Well #7 - Line C — REFER MAP NO.
SHEET NO. ____ OF ____ SHEETS — FILE NO.
COMPUTER ____ CHECKED BY ____

Started Oct. 8, 1898
Outside Casing 14" - 15' deep
Inside " 10" - 63' deep

0	to 2	2' of soil
2	to 8	6' of blue clay
8	to 11	3' of very fine gravel
11	to 31	20' of blue clay
31	to 33	2' of blue clay
33	to 45	12' of loose gravel
45	to 55	10' of light gravel
55	to 61	6' of
61	to 63	2' of yellow clay

Well finished at 63 ft. deep at yellow clay - October 11, 1898
Pipe cut from 61 to 43.5'.

CONFIDENTIAL LOG

3/1E-29C8

FORM 115
INVESTIGATION

DIVISION OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

SHEET 1

NUMBER 01-1887

WELL LOG

LOCAL DESIGNATION

LOCATION Well No 2 ¼ Line "C"

OWNER Spring Valley Wtr. Co.

DATE COMPLETED

DIAMETER OF CASING

DRILLED BY

SOURCE OF INFORMATION

INSPECTED WHILE DRILLING SEE FILE NO.

SURFACE ELEVATION

SKETCH

DEPTH	ELEVATION OF BOTTOM OF STRATUM	MATERIAL	THICKNESS FEET	% VOIDS	ABSOLUTE VOIDS FEET	TOTAL VOIDS FEET
0	2	Soil				
2	9	Yellow Clay				
9	15	Blue Clay				
15	25	Yellow Clay				
25	32	"				
32	44	Gravel				
44	50	Coarse Sand				
50	53	Gravel				
53	56					
56	59	Yellow Clay				
59		Well finished				
		Pipe is cut from 56'-50'				
		45'-32'				

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE

97588 9-32 15M CALIFORNIA STATE PRINTING OFFICE

01-1887

REGION Region 2

COUNTY Alameda & Cook

NEAR Investigation

DIVISION OF WATER RESOURCES

DEPARTMENT OF PUBLIC WORKS

STATE OF CALIFORNIA

BASIN

DWR No. 3S/1E 29C56 B & M

OTHER Nos. 5 1/2 Line "C"

WELL LOG

LOCATION

OWNER ADDRESS

DRILLED BY ADDRESS

DRILLING METHOD GRAVEL PACKED DATE COMPLETED

SIZE OF CASING DEPTH 14" - 12' STRUCK WATER AT

PERFORATIONS 32' to 44' & 50' to 56' SIZE No.

WATER LEVEL BEFORE PERFORATING AFTER

TEST DATA: DISCHARGE G. P. M. DRAWDOWN FT. HOURS RUN

OTHER DATA AVAILABLE: WATER LEVEL RECORD ANALYSIS

SURFACE ELEV. DATUM SOURCE OF INFORMATION SVWC 1912 Report

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %
0	2	Soil	2	
	7	Yellow Clay	7	
	15	Blue Clay	6	
	32	Yellow Clay	17	
	44	Gravel	12	
	50	Coarse Sand	6	
	56	Gravel	6	
	59	Yellow Clay	3	
		Well finished at 59 feet		

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE SHEET 1 OF

FORM 263. 47665 7-51 5M © SPO

3S/1E

01-1887

SPRING VALLEY WATER COMPANY
WATER DIVISION

SUBJECT Pleasanton Pumps DATE 1898

ACCOUNT Well #5 - Line C REFER MAP NO.

SHEET NO. ... OF ... SHEETS FILE NO.

COMPUTED ... CHECKED BY ...

Started Oct. 15, 1898
Outside Casing 14" - 12' deep
Inside " 10" - 59' deep

0 to 2' - 2' of Soil
2 to 9' - 7' of Yellow Clay
9 to 15' - 6' of Blue Clay
15 to 25' - 10' of Yellow Clay
25 to 32' - 7' of " "
32 to 44' - 12' of Gravel
44 to 50' - 6' of Coarse Sand
50 to 55' - 5' of Gravel
55 to 56' - 3' of " "
56 to 59' - 3' of Yello Clay

Well finished at 59 ft. deep at Yellow Clay - October 18, 1898
Pipe out from 56 to 50' and 44 to 32'
Water struck at 33 ft.

CONFIDENTIAL LOG

3/1E-29C86

FORM 115
INVESTIGATION

DIVISION OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

SHEET 1

NUMBER 01-1888

WELL LOG

LOCAL DESIGNATION

LOCATION Well No 5 Line "C"

OWNER Spring Valley Wtr Co.

DATE COMPLETED

DIAMETER OF CASING

DRILLED BY

SOURCE OF INFORMATION

INSPECTED WHILE DRILLING SEE FILE NO.

SURFACE ELEVATION

SKETCH

DEPTH	ELEVATION OF BOTTOM OF STRATUM	MATERIAL	THICKNESS FEET	% VOIDS	ABSOLUTE VOIDS FEET	TOTAL VOIDS FEET
0	2	Soil & roots				
2	12	Reddish Clay				
12	15	Yellowish Clay				
15	25					
25	46	Sand & Gravel				
46	47	Yellowish Clay				
47	48	Blue Clay				
		Bottom of well @ 56'				
		Perforated 50'-40'				

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE

97588 9-32 15M CALIFORNIA STATE PRINTING OFFICE

01-1888

REGION

COUNTY

NEAR

DEPARTMENT OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

WELL LOG

BASIN

DWR No. 3S/7E-29G3-5 B & M

OTHER Nos. 5
line "C"

LOCATION 113

OWNER ADDRESS

DRILLED BY ADDRESS

DRILLING METHOD GRAVEL PACKED DATE COMPLETED

SIZE OF CASING DEPTH 14" - 12' STRUCK WATER AT

PERFORATIONS 40-54' SIZE No.

WATER LEVEL BEFORE PERFORATING AFTER

TEST DATA: DISCHARGE G. P. M. DRAWDOWN FT. HOURS RUN

OTHER DATA AVAILABLE: WATER LEVEL RECORD ANALYSIS

SURFACE ELEV. DATUM SOURCE OF INFORMATION Spring valley water co 1912 report

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICK-NESS	SP. YIELD %	
0 - 2		soil and roots			
2 - 12		blue clay			
12 - 25		yellow clay			
25 - 46		sand and gravel			
46 - 47		yellowclay			
47 - 48		blue clay			

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE SHEET 1 OF

FORM 263. 65981 11-57 10M △ SPO

01-188

SUBJECT Pleasanton Wells
ACCOUNT Well #5 - Line C
SHEET NO. ... OF ... SHEETS
COMPUTER ... CHECKED BY ...

Started Sept. 6, 1898
Outside Casing 14" - 12' deep
Inside " 10" - 56' "

0	to 2'	- 2'	of Soil and roots
2	to 12'	- 10'	of Blue Clay
12	to 15'	- 3'	of Yellow Clay
15	to 33'	- 18'	of " "
33	to 54'	- 21'	of Sand and Gravel
54	to 55'	- 1'	Yellow Clay
55	to 56'	- 1'	Blue Clay

Well finished at 56' blue clay - September 8, 1898
Pipe cut from 54' to 40'

CONFIDENTIAL LOG

3/1E-29C8J

FORM 115
INVESTIGATION

DIVISION OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

SHEET 1

NUMBER 01-1889

WELL LOG

LOCAL DESIGNATION

LOCATION Well No 4 Lime "C"

OWNER Spring Valley Wtr Co

DATE COMPLETED

DIAMETER OF CASING

DRILLED BY

SOURCE OF INFORMATION

INSPECTED WHILE DRILLING SEE FILE NO.

SURFACE ELEVATION

SKETCH

DEPTH	ELEVATION OF BOTTOM OF STRATUM	MATERIAL	THICKNESS FEET	% VOIDS	ABSOLUTE VOIDS FEET	TOTAL VOIDS FEET
0	1	Soil 0				
1	15	Brown Clay				
15	20	Yellow Clay				
20	32	Brown Clay				
32	35	Gravel				
35	59	Coarse Clay				
59	64	Yellow Clay				
64	66	Water formation				
66		Depth 62' - 210'				

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE

97588 9-32 15M CALIFORNIA STATE PRINTING OFFICE

01-1884

REGION

COUNTY

NEAR

DEPARTMENT OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

WELL LOG

BASIN

DWR No. 3S/1E-29C84 B & M

OTHER NOS. 4
line "C"

112

LOCATION

OWNER ADDRESS

DRILLED BY ADDRESS

DRILLING METHOD GRAVEL PACKED DATE COMPLETED

SIZE OF CASING DEPTH 14" - 15' STRUCK WATER AT

PERFORATIONS 40-62' SIZE No.

WATER LEVEL BEFORE PERFORATING AFTER

TEST DATA: DISCHARGE G. P. M. DRAWDOWN FT. HOURS RUN.

OTHER DATA AVAILABLE: WATER LEVEL RECORD ANALYSIS

SURFACE ELEV. DATUM SOURCE OF INFORMATION Spring Valley water co. 1912 report

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICK-NESS	SP. YIELD %	
0 - 1		soil			
1 - 15		blue clay			
15 - 20		yellow clay			
20 - 35		blue clay			
35 - 58		gravel			
58 - 64		coarse clay			
64 - 66		yellow clay			

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE SHEET 1 OF

FORM 263. 65981 11-57 10M △ SPO

01-1884

SPRING VALLEY WATER COMPANY
WATER DIVISION

SUBJECT Pleasanton Wells DATE 1898
ACCOUNT Well #4- Line C REFER MAP NO.
SHEET NO. OF SHEETS FILE NO.
COMPUTER CHECKED BY

Started Oct. 12, 1898
Outside Casing 14" - 15 ft. deep
Inside " 10" - 66 ft. deep

0	to	1'	1' of Soil.
1	to	15'	14' of Blue Clay
15	to	20'	5' of Yellow Clay
20	to	32'	12' of Blue Clay
32	to	35'	3' of " "
35	to	58'	23' of Gravel
58	to	64'	6' of Coarse Gravel
64	to	66'	2' of Yellow Clay

Well finished at 66 ft. deep at Yellow Clay - October 14, 1898
Pipe cut from 62' to 40'
Struck water at 35 ft.

CONFIDENTIAL LOG

3/16-21C84

01-1890

REGION

COUNTY

NEAR

DEPARTMENT OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

WELL LOG

BASIN

DWR No. 3S/1E-29C/ 1 B & M

OTHER Nos. line "C"

LOCATION

OWNER ADDRESS

DRILLED BY ADDRESS

DRILLING METHOD GRAVEL PACKED DATE COMPLETED

SIZE OF CASING DEPTH 14" to 15' STRUCK WATER AT

PERFORATIONS 54.5 -56, 51.5 to 53' SIZE No.

WATER LEVEL BEFORE PERFORATING AFTER

TEST DATA: DISCHARGE G. P. M. DRAWDOWN FT. HOURS RUN

OTHER DATA AVAILABLE: WATER LEVEL RECORD ANALYSIS

SURFACE ELEV. DATUM SOURCE OF INFORMATION Spring valley water co 1912 report

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICK-NESS	SP. YIELD %
0 - 8		soil and roots		
8 - 11		blue clay		
11 - 14		blue sandy clay		
14 - 23		yellow sandy clay		
23 - 45		sand and gravel		
45 - 50		coarse gravel		
50 - 51		yellow sand		
51 - 57		gravel		
57 - 70		yellow clay		

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY DATE SHEET 1 OF

FORM 263. 65981 11-57 10M △ SPO

REGION	Region 2		BASIN 01-1890
COUNTY	Alameda Creek		DWR NO. 3S/1E 29C M.D.B.&M.
NEAR	Investigation		OTHER NOS. 1 Line "C"

DIVISION OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

WELL LOG

LOCATION: NOTE: these well logs are located from right to left as they are on line "C" plate 31 of "Future Water Supply of San Francisco" 1912

OWNER: ______ ADDRESS: ______

DRILLED BY: ______ ADDRESS: ______

DRILLING METHOD: ______ GRAVEL PACKED: ______ DATE COMPLETED: ______

SIZE OF CASING DEPTH: 14" - 15' STRUCK WATER AT: ______

PERFORATIONS: 54½' to 56' & 51½' to 53' SIZE: ______ NO. ______

WATER LEVEL BEFORE PERFORATING: ______ AFTER: ______

TEST DATA: DISCHARGE G. P. M. ______ DRAWDOWN FT. ______ HOURS RUN ______

OTHER DATA AVAILABLE: WATER LEVEL RECORD ______ ANALYSIS ______

SURFACE ELEV. ______ DATUM ______ SOURCE OF INFORMATION: SVWCo. 1912 Report

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %	
		Soil & Roots	8		
		Blue Clay	3		11
		Blue Sandy Clay	3		14
		Yellow Sandy Clay	9		23
		Sand & Gravel	22		45
		Coarse gravel	5		50
		Yellow Sand	1		51
		Gravel	6		57
		Yellow Clay	13		70
		Well is finished at 70'			

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY ______ DATE ______ SHEET 1 OF ______

FORM 263. 47893 7-51 5M SPO

3S/1E 29C

01-1890 ✓

Well 316 [illegible]

SPRING VALLEY WATER COMPANY
WATER DIVISION

SUBJECT: Pleasanton Wells [illegible] DATE [illegible] 1898
ACCOUNT: Well #1 [illegible]
SHEET NO. [illegible]
COMPUTER [illegible] CHECKED BY [illegible]

Started Sept. 2, 1898
Outside Casing 14" - 15' deep
Inside Casing 10" 70' deep

0	to	8'	- 8'	of Soil and Roots
8	to	11'	- 3'	of Blue Clay
11	to	14'	- 3'	of Blue Sandy Clay
14	to	23'	- 9'	of Yellow Sandy Clay
23	to	42'	- 19'	of Sand & Gravel
42	to	45'	- 3'	of
45	to	50'	- 5'	of Coarse Gravel
50	to	51'	- 1'	of Yellow Sand
51	to	57'	- 6'	of Gravel
57	to	70'	- 13'	of Yellow Clay

Well finished at 70 ft. at Yellow Clay - September 9, 1898
Pipe cut from 56 to 54½' and from 53 to 51½ ft.

CONFIDENTIAL LOG
[illegible]

3/12 - 2[illegible]
C1

01-251 3S/1E-29Q2

EXCELTECH

PROJECT NAME: Kaiser Aluminum

PROJECT #: 4227F

BORING #: MW-1

DATE DRILLED: 12/21/87

LOGGED BY: D S

EXPLORATORY BORING LOG

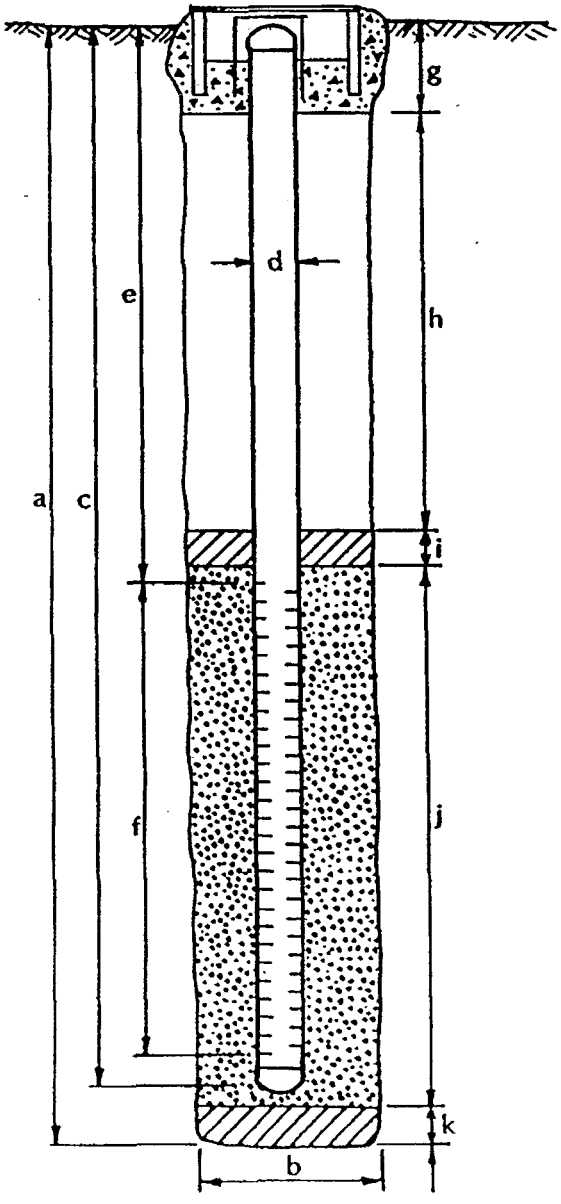
DEPTH (ft.)	SAMPLE No.	BLOWS/FOOT 350 ft-lbs.	WATER LEVEL	UNIFIED SOIL CLASSIFICATION	SOIL DESCRIPTION	PRODUCT ODOR	OVA READING ppm	
1–4								
5–7		11 17 20		CL	CLAY, yellowish brown (10YR 5/6), medium plasticity, no chemical odor, very stiff, damp, common rounded to elongat black blebs and streaks of organic remains			
8–9								
10–11		8 12 15						
12–14				CL	CLAY, greenish gray (5Y 6/2), silty (5-10%), medium plasticity, no chemical odor, stiff, slightly damp, rare balck blebs of organic remains			
15–19		6 11 19		CL	CLAY, greenish gray (5Y 6/2) silty, (5-10%), with very fine sand (1-2), medium plasticity, no chemical odor, very stiff, slightly damp, rare black blebs of organic remains. Bottom 6 inches heavily iron stained orange			
20	1	11 25 36						
21				SP	SAND, yellowish brown (2.5Y 5/4), no chemical odor, dense, dry, poorly cemented			
22					Bottom of boring 21.5 feet			

01-251

Monitoring Well Detail

PROJECT NUMBER 4227G
PROJECT NAME Kaiser Aluminum
COUNTY Alameda
WELL PERMIT NO. _____

BORING / WELL NO. MW-1
TOP OF CASING ELEV. _____
GROUND SURFACE ELEV. _____
DATUM _____



EXPLORATORY BORING

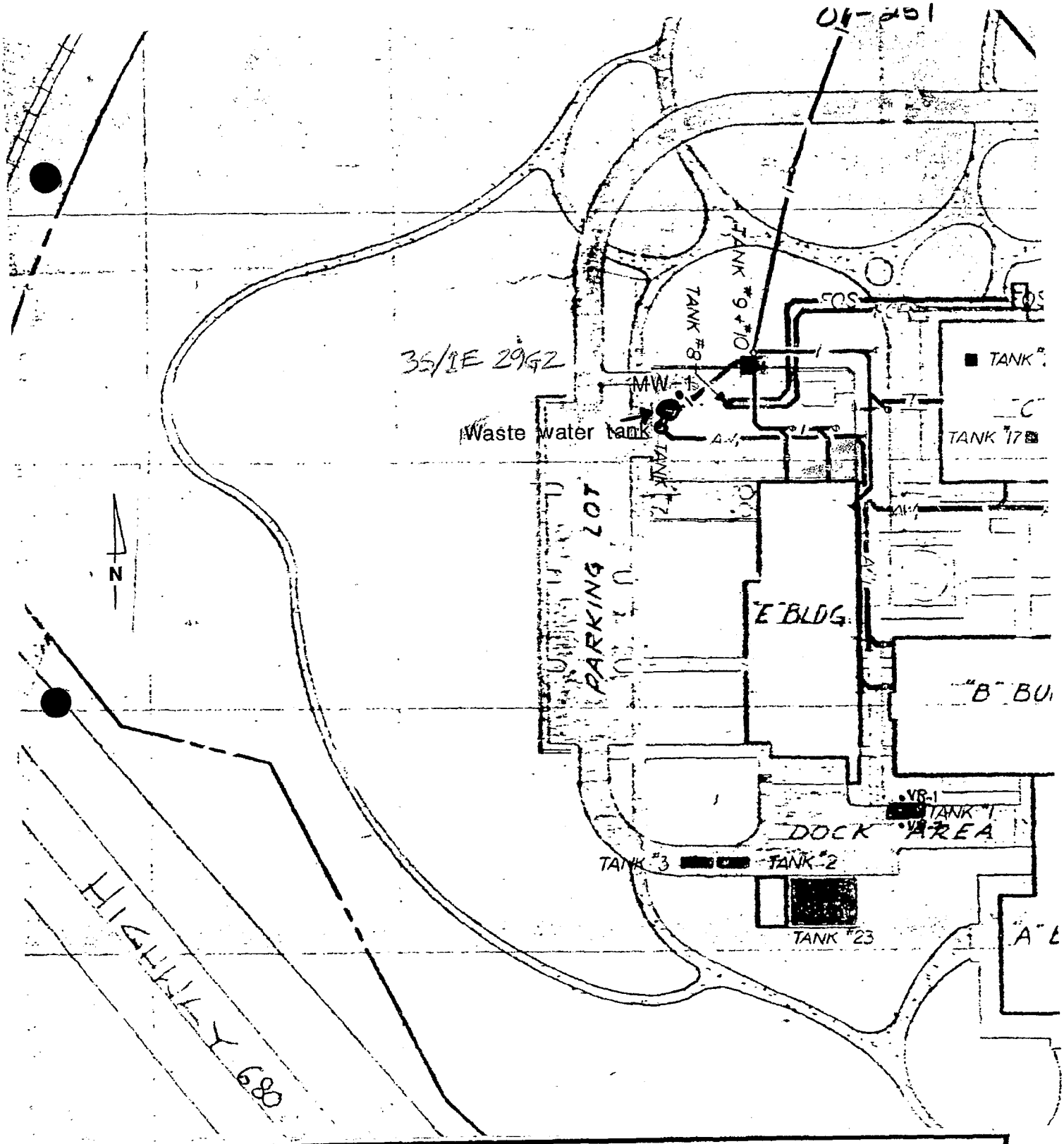
a. Total depth _____ ft.
b. Diameter 8 in.
Drilling method hollow stem auger

WELL CONSTRUCTION

c. Casing length 19.5 ft.
Material PVC
d. Diameter 2 in.
e. Depth to top perforations 7.5 ft.
f. Perforated length 10 ft.
Perforated interval from 7.5 to 17.5 ft.
Perforation type _____
Perforation size 0.20 inch
g. Surface seal 1 ft.
Seal material concrete
h. Backfill 2.5 ft.
Backfill material cement
i. Seal 2 ft.
Seal material bentonite
j. Gravel pack 14 ft.
Pack material 2/12 sand
k. Bottom seal _____ ft.
Seal material _____

NOTE: 2 feet of solid 2" PVC casing added below perforations

EXCELTECH



EXCELTECH	**MONITORING WELL LOCATION MAP**		
	KAISER ALUMINUM AND CHEMICAL	JOB #: 4227F	
	SUNOL BLVD.	SCALE:	DRAWN BY:
	PLEASANTON , CALIFORNIA	DATE: 1/7/88	DRAWING #:

01-3101

ZONE 7
WATER RESOURCES ENGINEERING

WELL LOCATION DATA

WELL NUMBER **3S/1E 29B 3**

ADDRESS: **5555 SUNOL BLVD**
PLEASANTON
OWNER: **NUODEX**

PRIMARY USE: **mon**

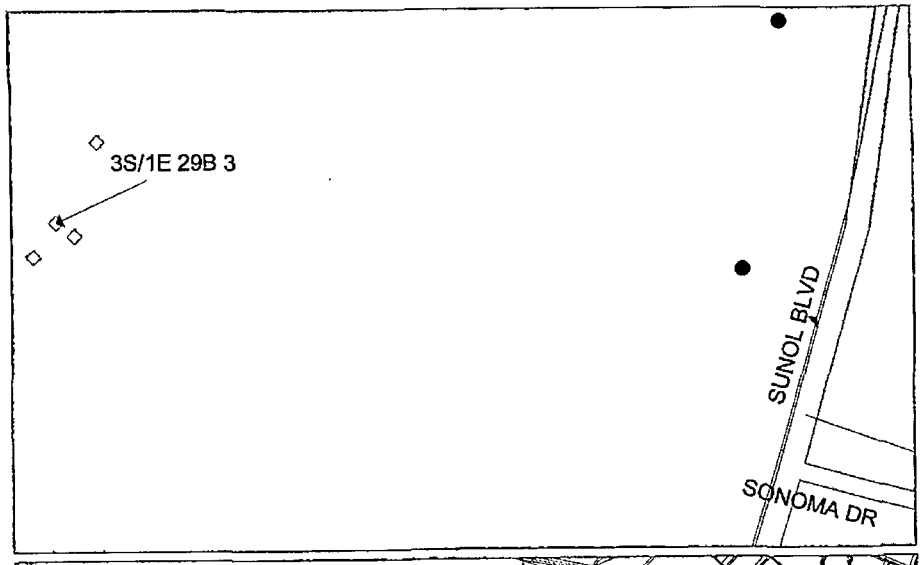
DRILLER: **MCKESSON**
DATE COMPLETED: **04/12/1985**
DEPTH: DRILLED ____ Ft
COMPLETED **40** Ft
DIAMETER **4** In

OTHER DESIGNATION: **MW-4**
PERFS: UPPER **9**
LOWER **40**

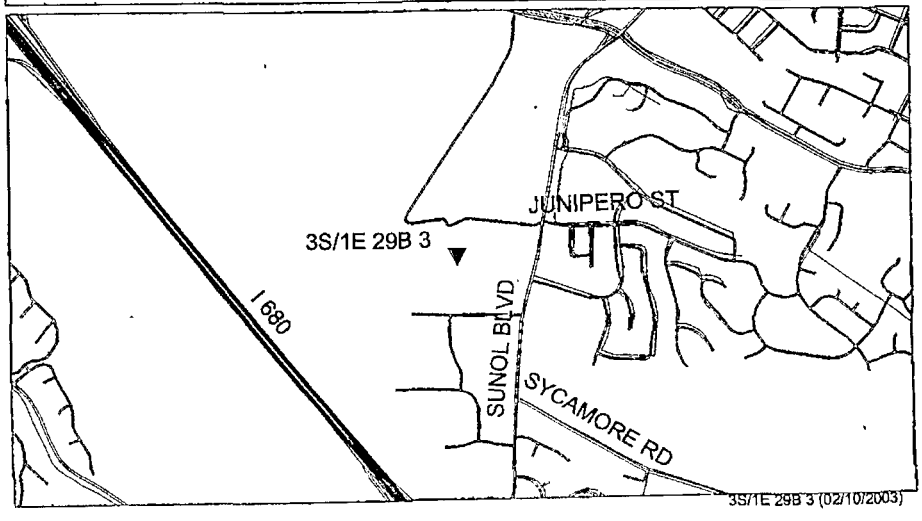
SOUNDED DEPTH ____ Ft
RP ELEVATION **0**
DATE SOUNDED ____
DATE DESTROYED **12/02/2002**
DATE UNLOCATABLE ____

LOCATION SKETCH

DETAIL



GENERAL



Scale: 1 inch = 2000 ft

0 2000

01-3102

ZONE 7
WATER RESOURCES ENGINEERING

WELL LOCATION DATA

WELL NUMBER **3S/1E 29B 4**

ADDRESS: **5555 SUNOL BLVD**
PLEASANTON
OWNER: **NUODEX**

PRIMARY USE: **mon**

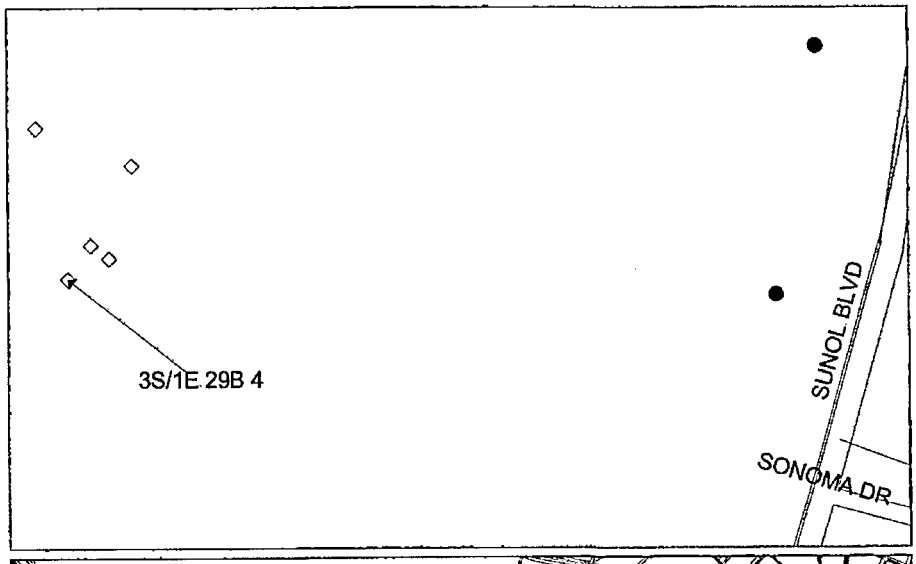
DRILLER:
DATE COMPLETED:
DEPTH: DRILLED Ft
COMPLETED **32** Ft
DIAMETER **2** In

OTHER DESIGNATION: **MW-1**
PERFS: UPPER **0**
LOWER **0**

SOUNDED DEPTH Ft
RP ELEVATION **0**
DATE SOUNDED
DATE DESTROYED **12/02/2002**
DATE UNLOCATABLE

LOCATION SKETCH

DETAIL



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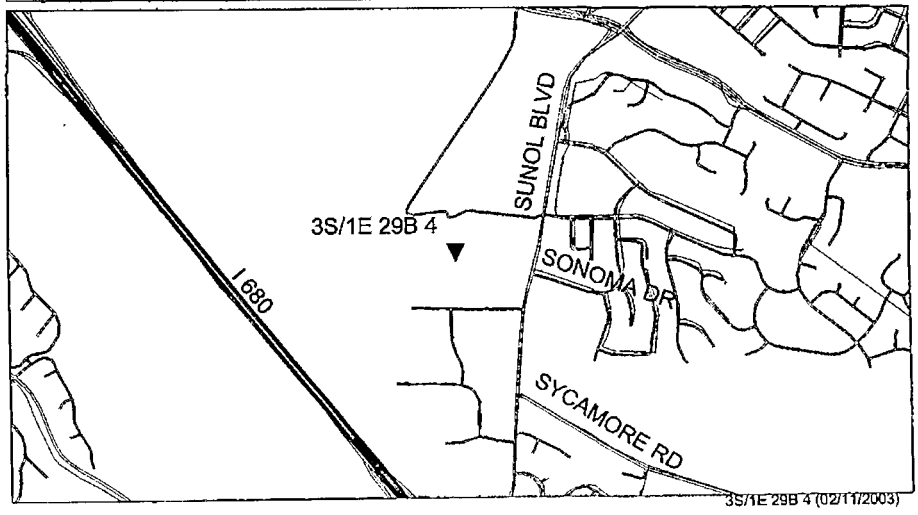


Scale: 1 inch = 2000 ft

0 2000

01-3103

ZONE 7
WATER RESOURCES ENGINEERING

WELL LOCATION DATA

WELL NUMBER **3S/1E 29B 6**

ADDRESS: **5555 SUNOL BLVD**
PLEASANTON
OWNER: **NUODEX**

PRIMARY USE: **mon**

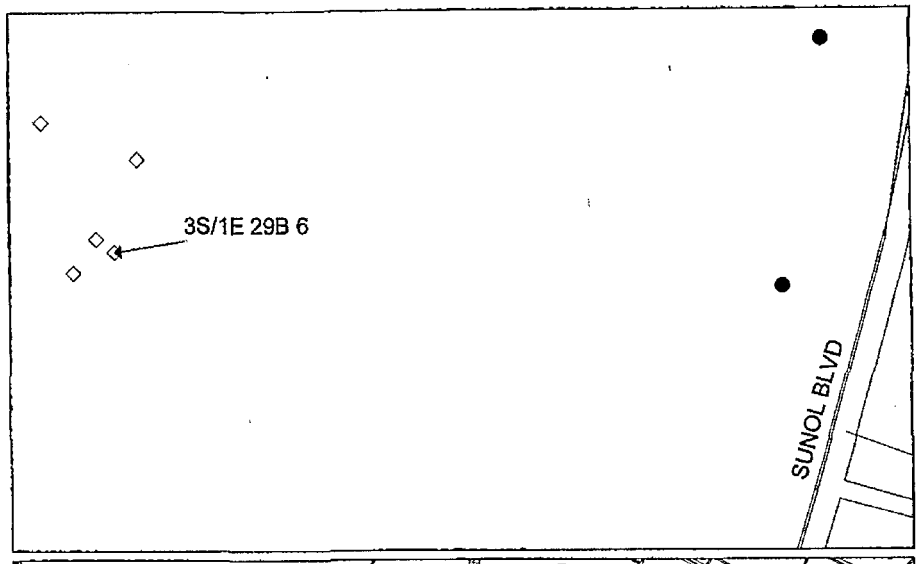
DRILLER:
DATE COMPLETED:
DEPTH: DRILLED Ft
COMPLETED **42** Ft
DIAMETER **2** In

OTHER DESIGNATION: **MW-3**
PERFS: UPPER **0**
LOWER **0**

SOUNDED DEPTH Ft
RP ELEVATION **0**
DATE SOUNDED
DATE DESTROYED **12/02/2002**
DATE UNLOCATABLE

LOCATION SKETCH

DETAIL



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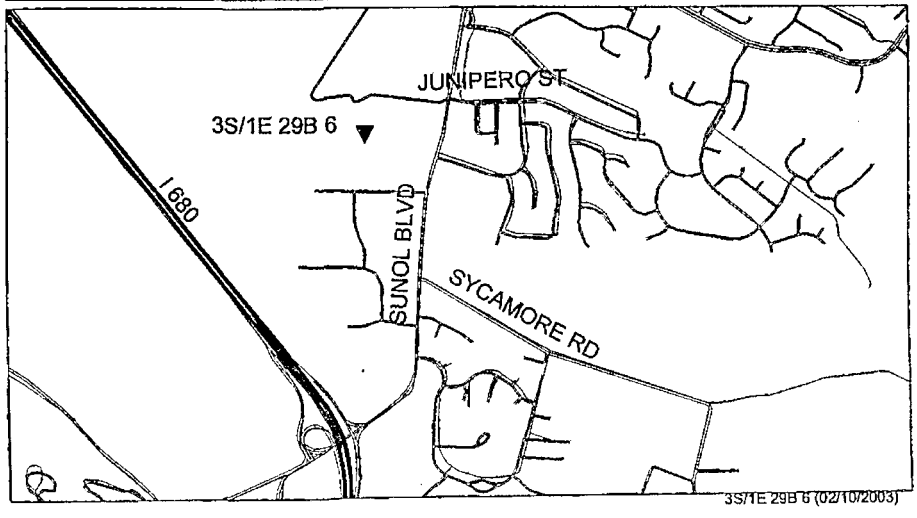


Scale: 1 inch = 2000 ft.

0 2000

01-3104

ZONE 7
WATER RESOURCES ENGINEERING

WELL LOCATION DATA

WELL NUMBER **3S/1E 29B 7**

ADDRESS: **5555 SUNOL BLVD**
PLEASANTON
OWNER: **HULS AMERICA**

PRIMARY USE: **mon**

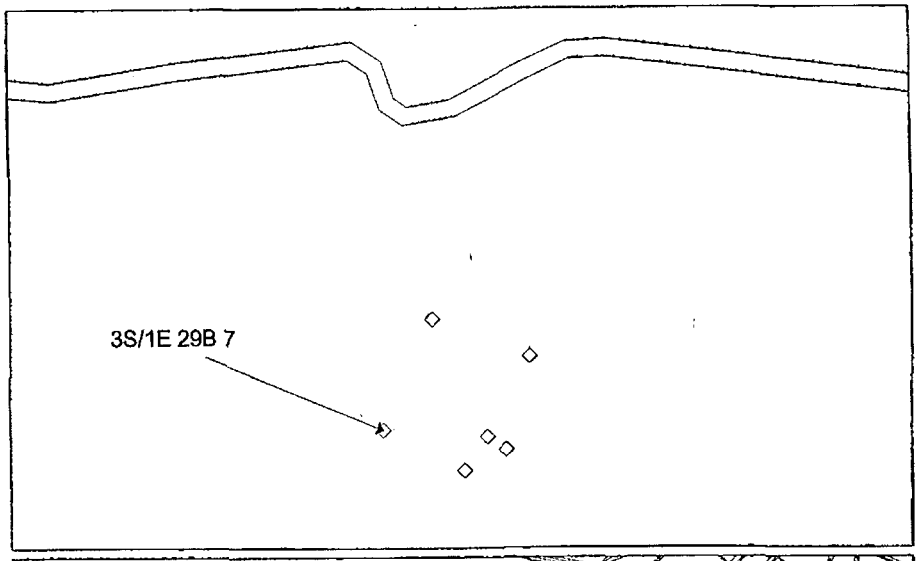
DRILLER: **DAMES & MOORE**
DATE COMPLETED: **06/10/1993**
DEPTH: DRILLED Ft
COMPLETED **36** Ft
DIAMETER **2** In

OTHER DESIGNATION: **MW-5**
PERFS: UPPER **13**
LOWER **36**

SOUNDED DEPTH Ft
RP ELEVATION **0**
DATE SOUNDED
DATE DESTROYED **12/02/2002**
DATE UNLOCATABLE

LOCATION SKETCH

DETAIL



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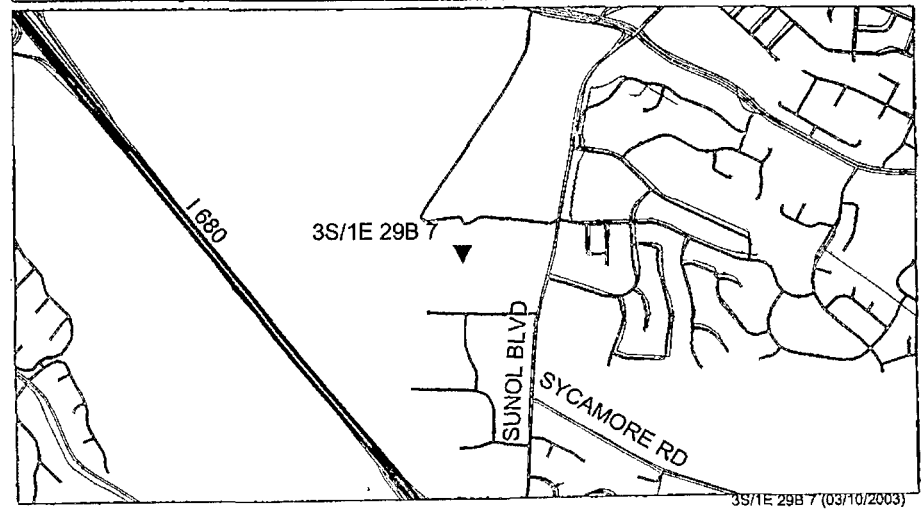


Scale: 1 inch = 2000 ft

0 2000

01-3105

ZONE 7
WATER RESOURCES ENGINEERING

WELL LOCATION DATA

WELL NUMBER **3S/1E 29B 8**

ADDRESS: **5555 SUNOL BLVD**
PLEASANTON
OWNER: **HULS AMERICA**

PRIMARY USE: **mon**

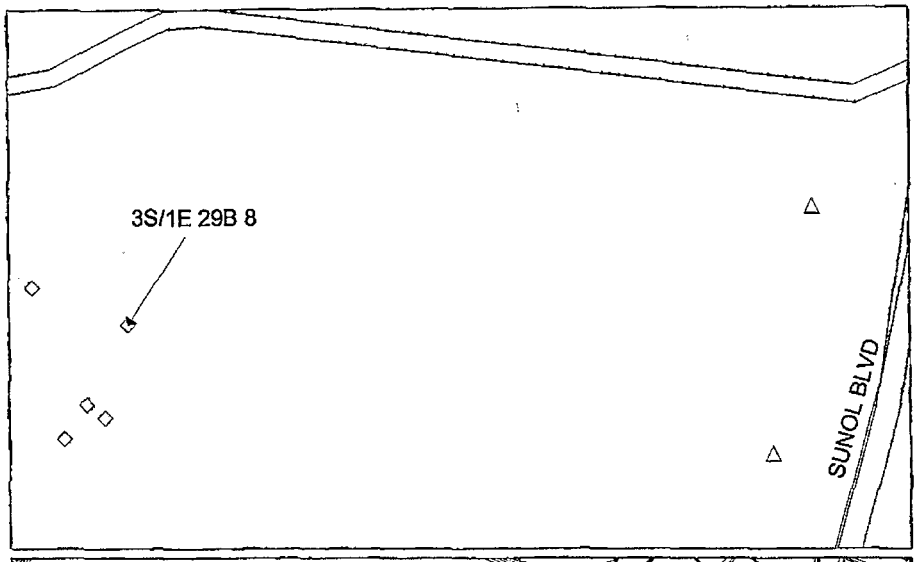
DRILLER: **DAMES & MOORE**
DATE COMPLETED: **06/10/1993**
DEPTH: DRILLED Ft
COMPLETED **35** Ft
DIAMETER **2** In

OTHER
DESIGNATION: **MW-6**
PERFS: UPPER **15**
LOWER **35**

SOUNDED DEPTH Ft
RP ELEVATION **0**
DATE SOUNDED
DATE DESTROYED **12/02/2002**
DATE UNLOCATABLE

LOCATION SKETCH

DETAIL



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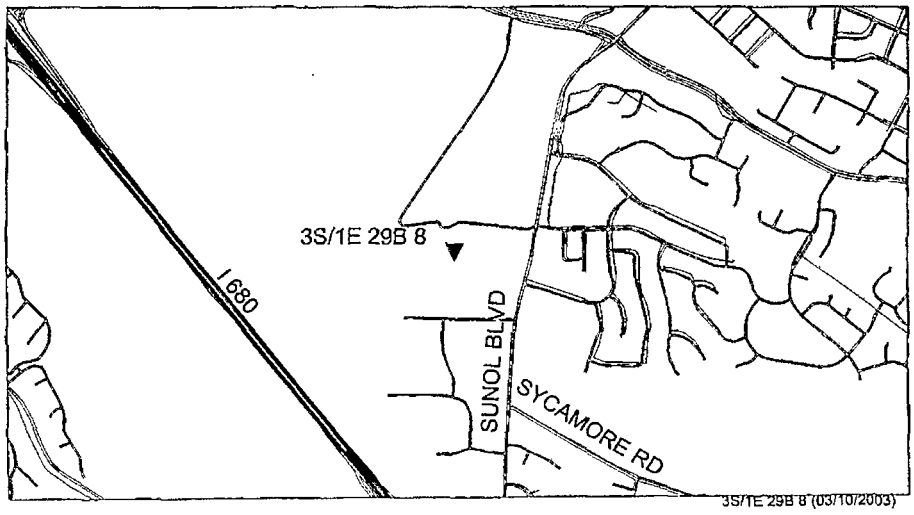


Scale: 1 inch = 2000 ft

0 2000

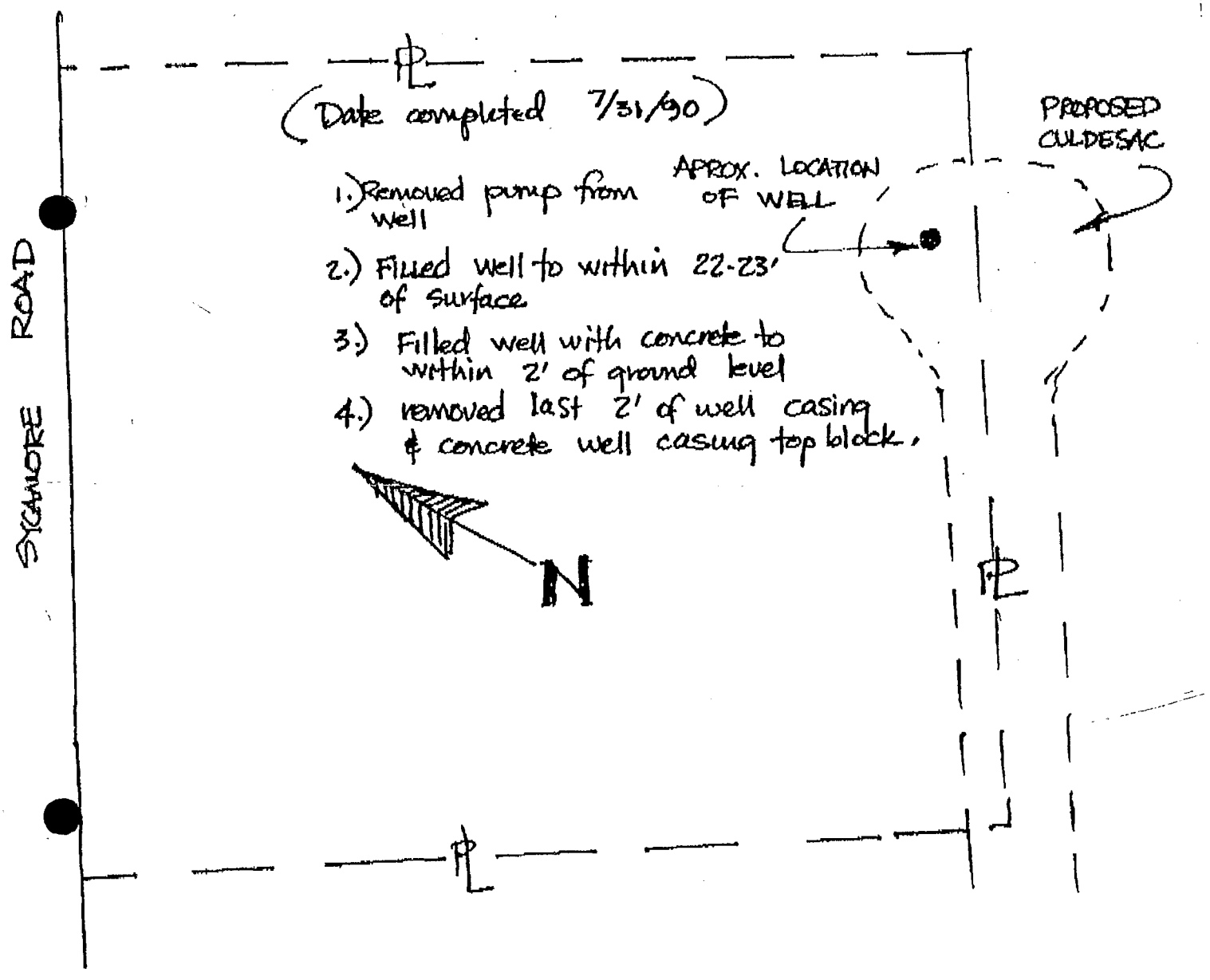
3S/1E 29H4
01-461U

LICENSE #392024
ENGINEERING
P.O. BOX 548, LAFAYETTE, CA 94549 415/370-1260

WELL ABANDONMENT AT 417 SYCAMORE RD. PLEASANTON.

PERMIT # 90444

WELL # 3S/1E 29H4



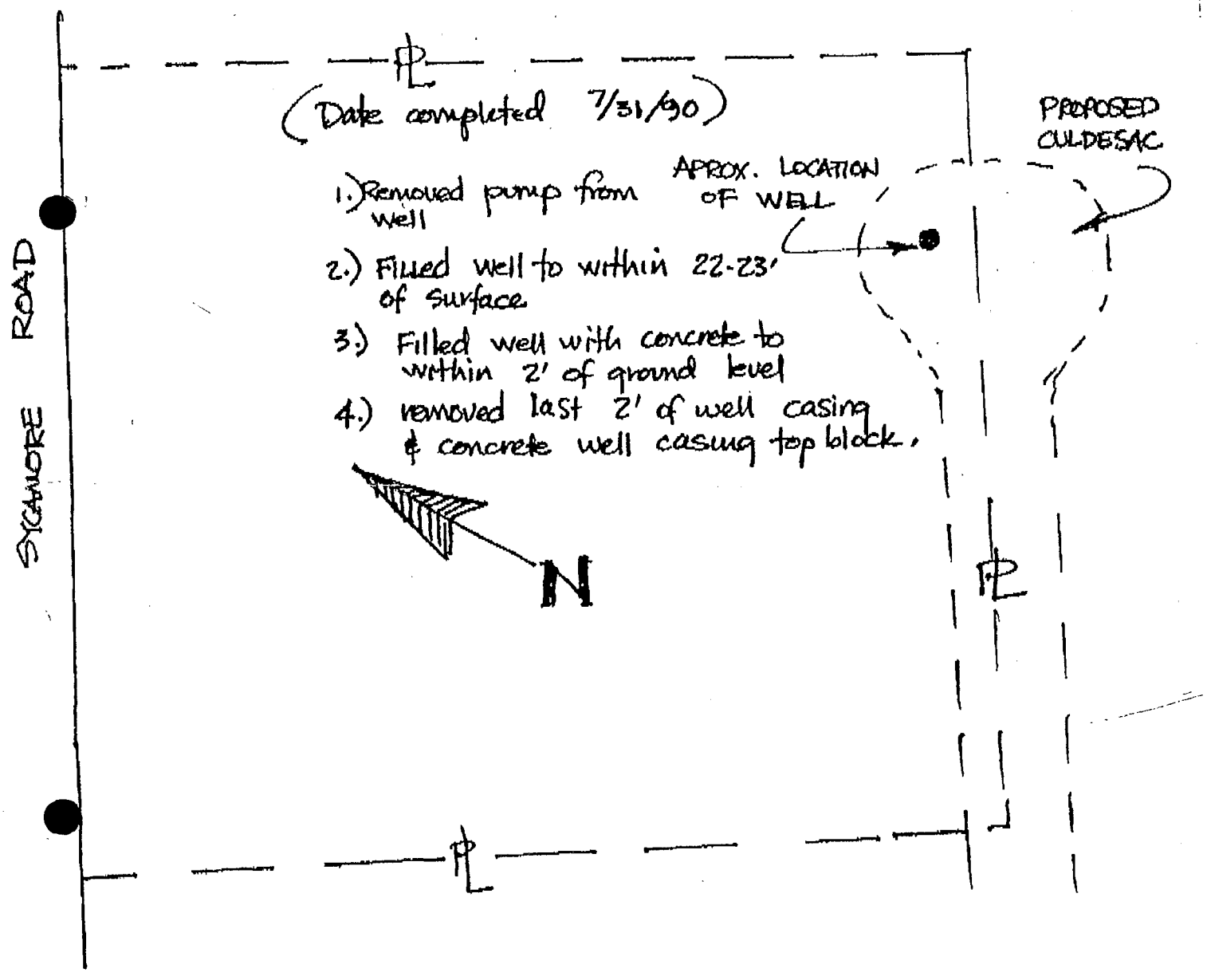
3S/1E 29H4
01-461U

LICENSE #392024
BLUE GENERAL
ENGINEERING
P.O. BOX 548, LAFAYETTE, CA 94549 415/370-1260

WELL ABANDONMENT AT 417 SYCAMORE RD. PLEASANTON.

PERMIT # 90444

WELL # 3S/1E 29H4



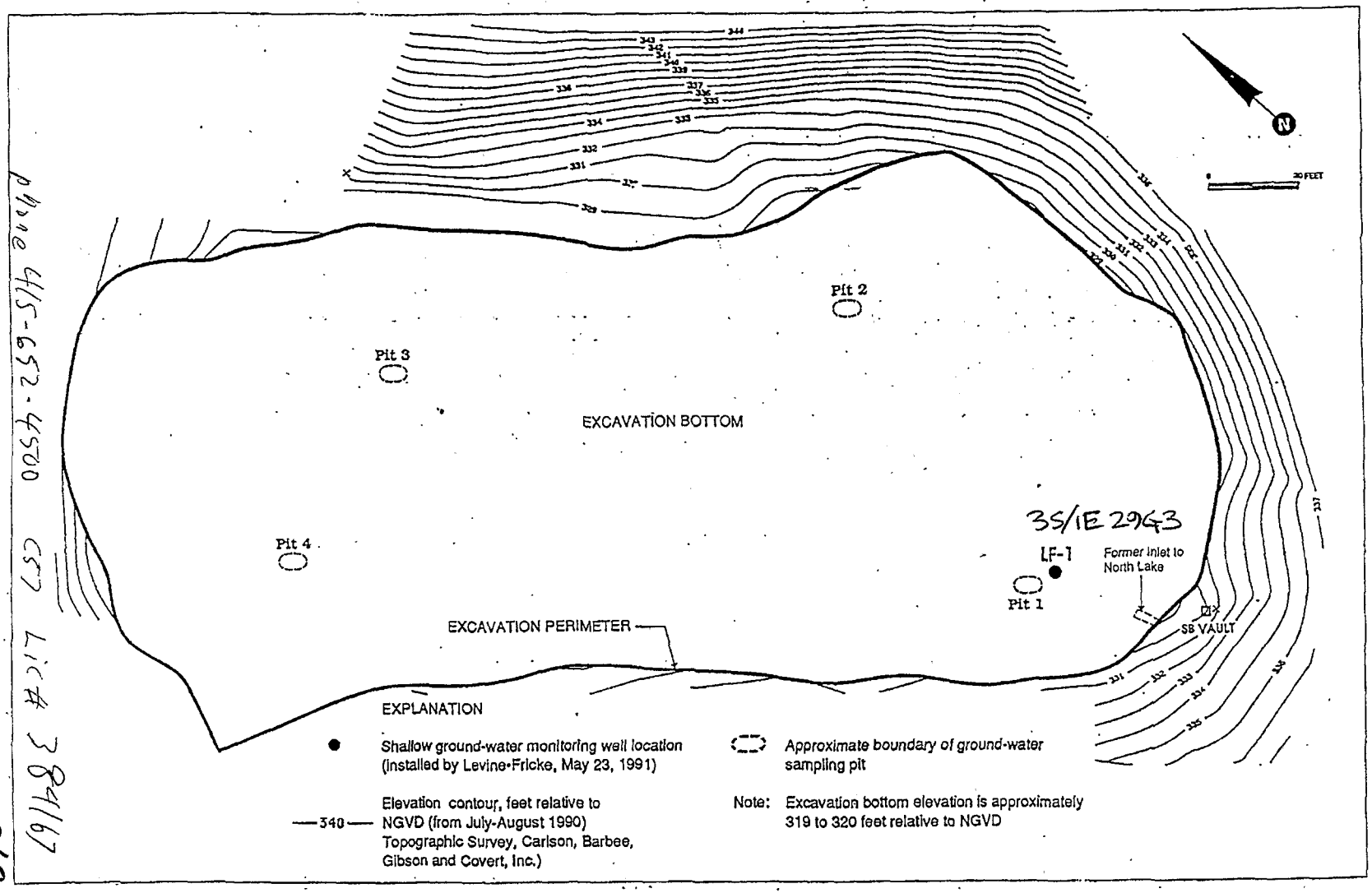


Figure 5 : PLAN OF NORTH LAKE SHOWING GROUND-WATER SAMPLING LOCATIONS

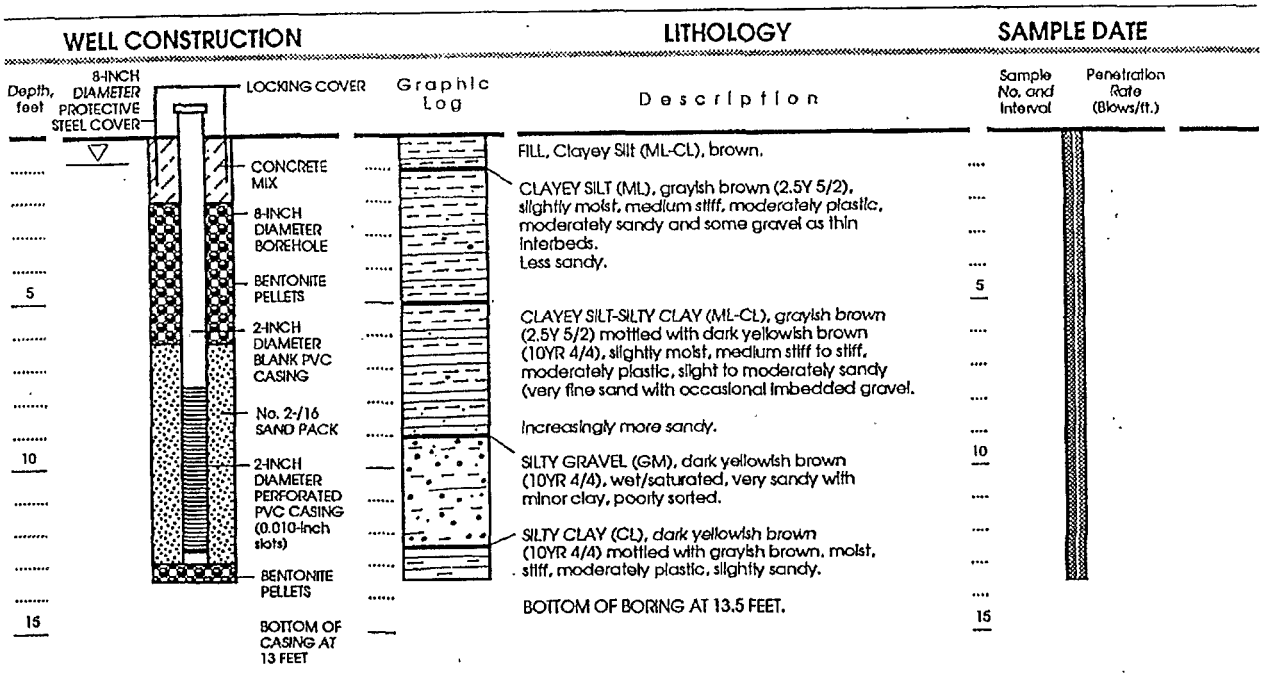
Project No. 1951

LEVINE•FRICKE
ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

MJS13JUN91MPO

01-489Y

35/1E 29G3



EXPLANATION

- Clay
- Silt
- Sand
- Gravel

Well permit number: 91282
Date boring drilled: May 23, 1991
LF Geologist: Tom Zakaria

Approved by:

Continuous Core Barrel

Water level measured May 24, 1991

Elevation of top of PVC casing (north edge) is 324.76' MSL

Figure C-1 : WELL CONSTRUCTION AND LITHOLOGY FOR WELL LF-1

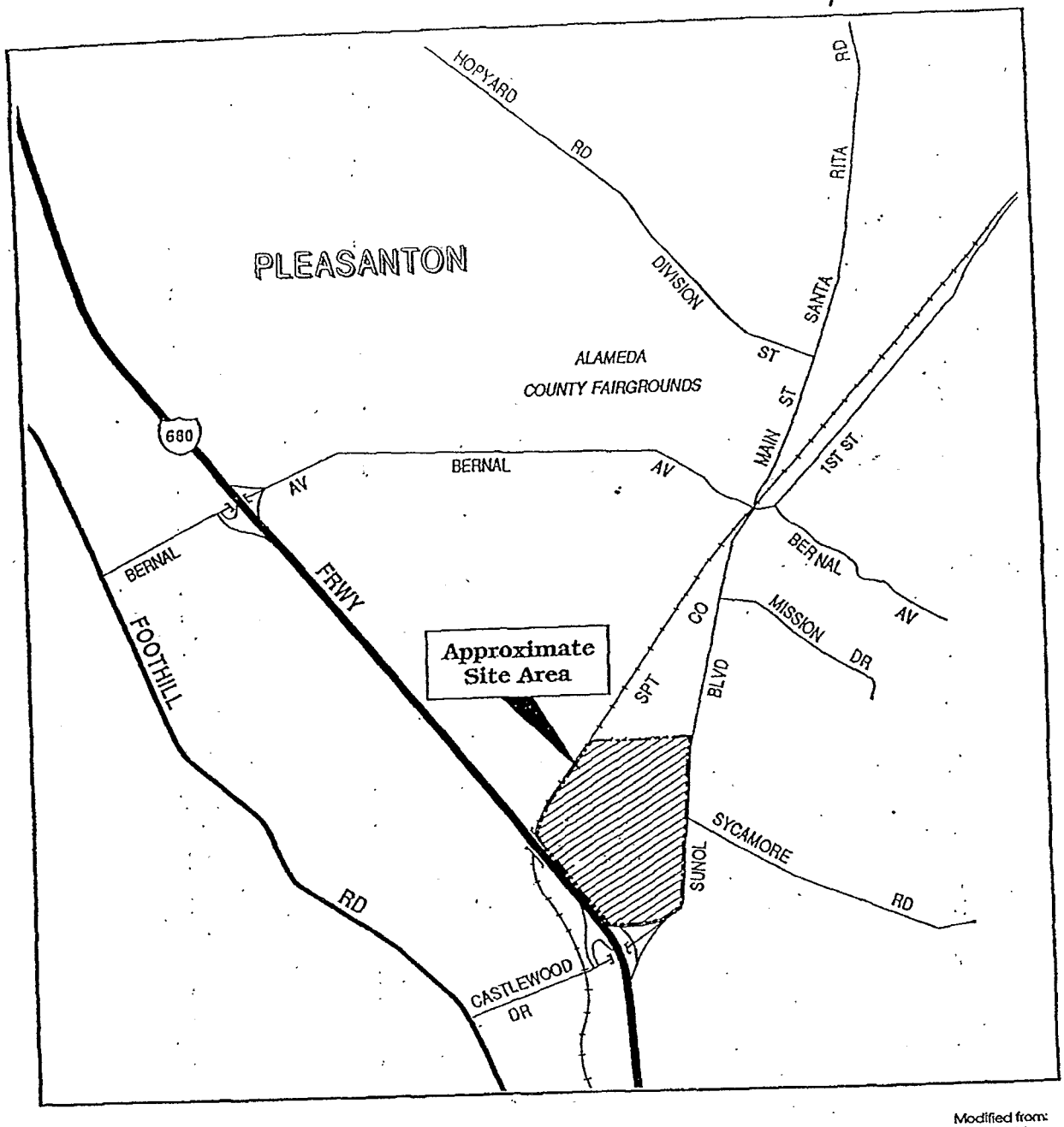
Project No. 1951

LEVINE • FRICKE
CONSULTING ENGINEERS AND HYDROGEOLOGISTS

5JUNE91 jc/tyz

01-489Y

35/1E 29G3



Modified from:
Thomas Brothers Map,
1986

Figure 1 : SITE LOCATION MAP

Project No. 1951

LEVINE • FRICKE
CONSULTING ENGINEERS AND HYDROGEOLOGISTS

AIK27DEC89mpA

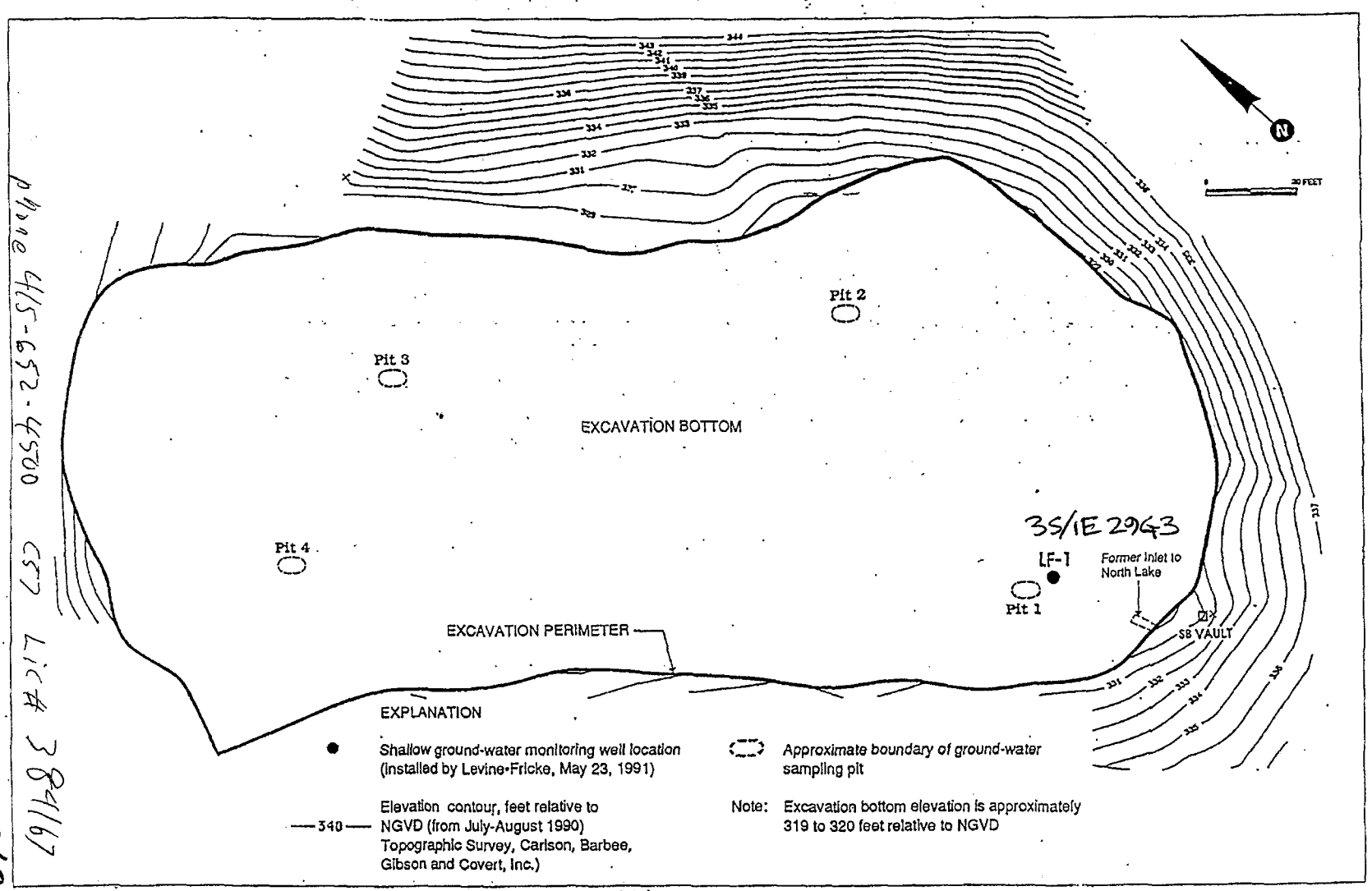


Figure 5 : PLAN OF NORTH LAKE SHOWING GROUND-WATER SAMPLING LOCATIONS

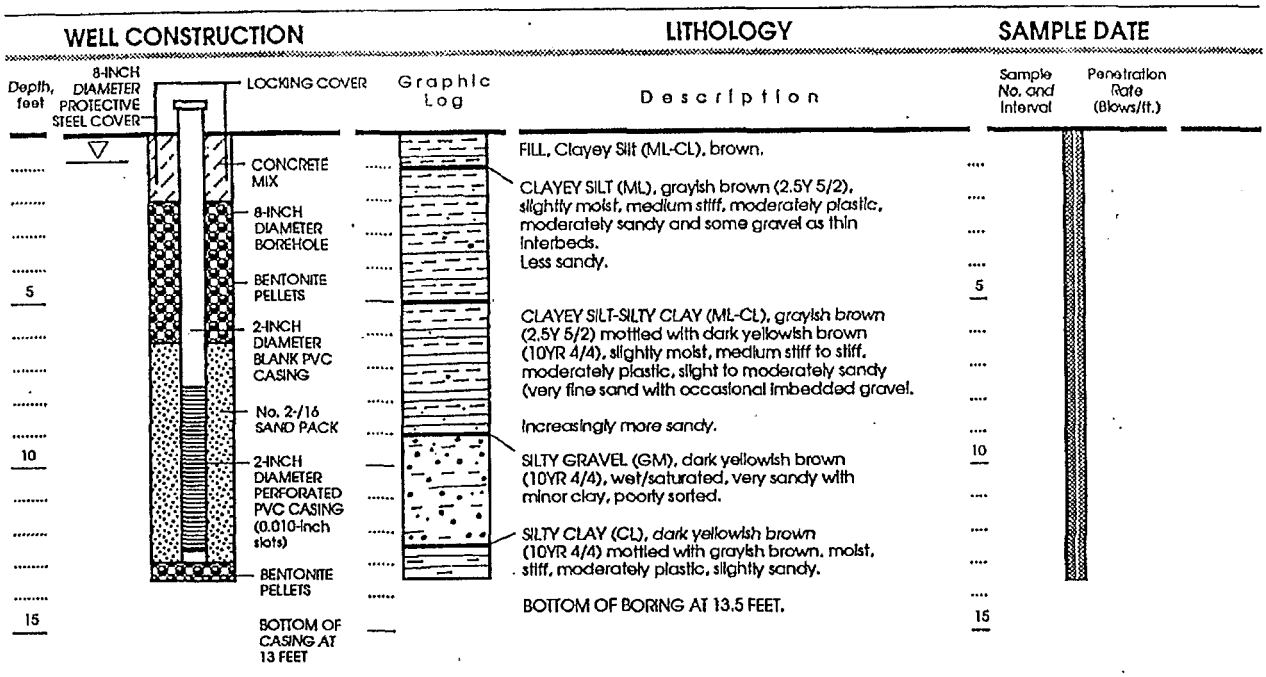
Project No. 1951

LEVINE•FRICKE
ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

MJS13JUN91MPO

01-489Y

35/1E 29G3



EXPLANATION

Clay
Silt
Sand
Gravel

Well permit number: 91282
Date boring drilled: May 23, 1991
LF Geologist: Tom Zakaria

Approved by:

Continuous Core Barrel

Water level measured May 24, 1991

Elevation of top of PVC casing (north edge) is 324.76' MSL

Figure C-1 : WELL CONSTRUCTION AND LITHOLOGY FOR WELL LF-1

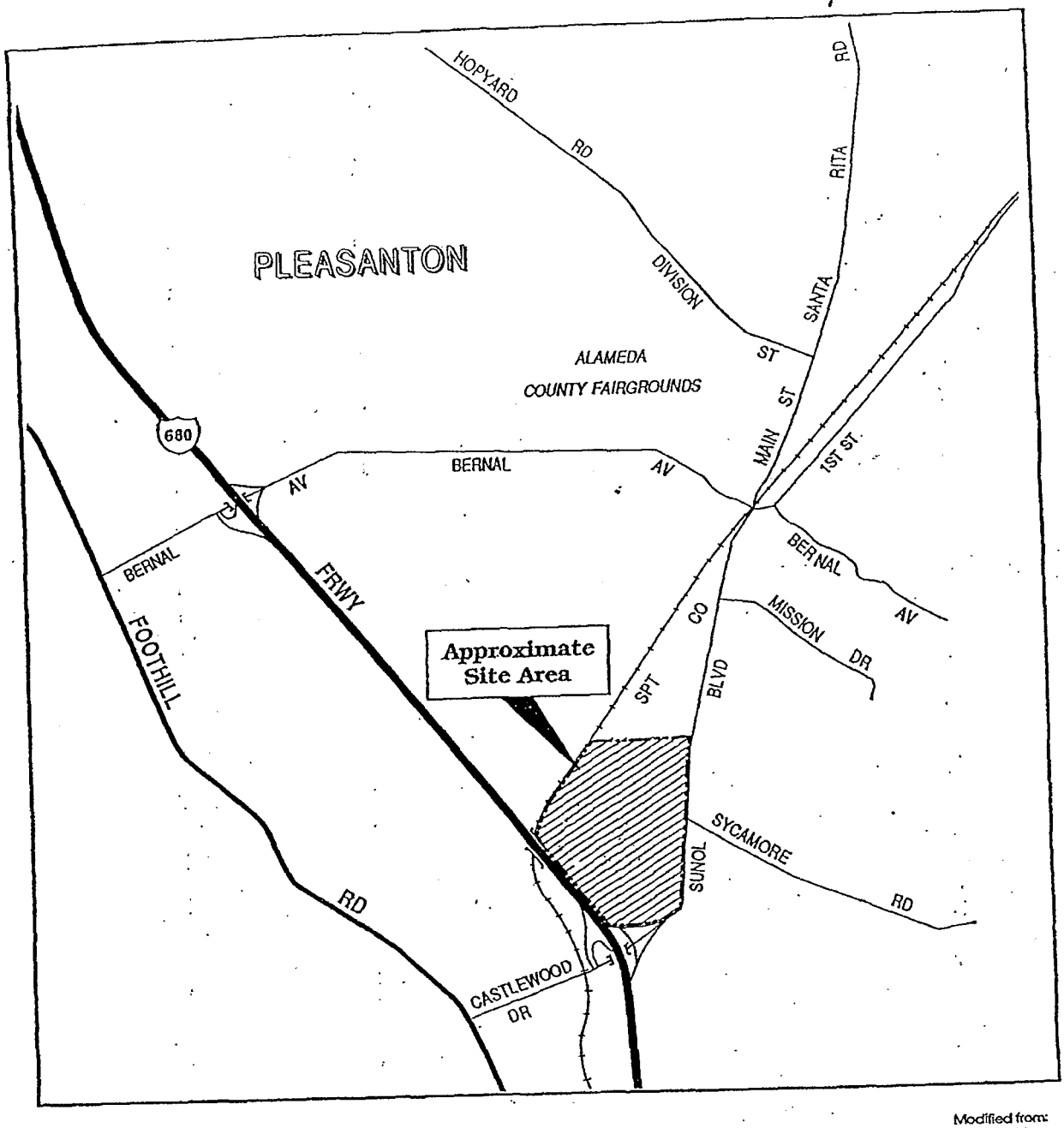
Project No. 1951

LEVINE • FRICKE
CONSULTING ENGINEERS AND HYDROGEOLOGISTS

5JUNE91 jc/yz

01-489Y

3S/1E 29G3



Modified from:
Thomas Brothers Map,
1986

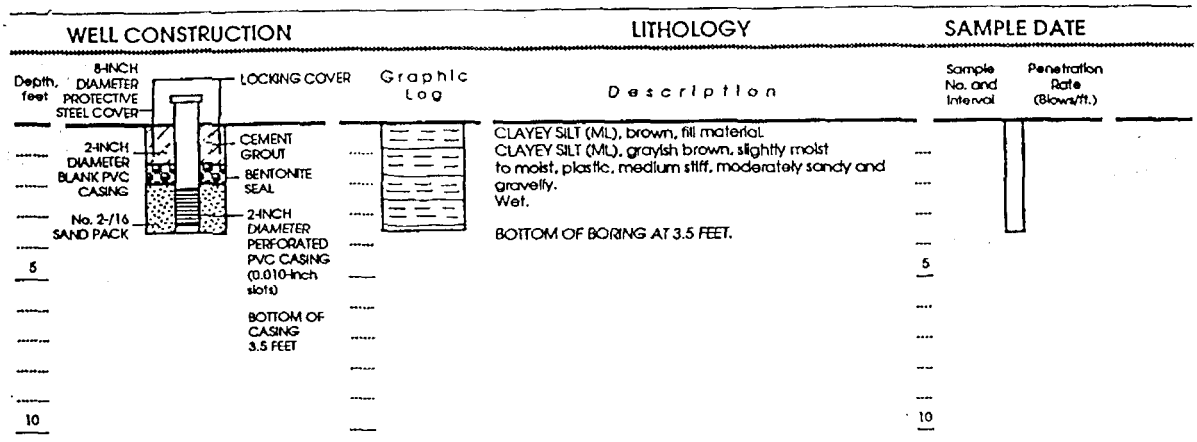
Figure 1 : SITE LOCATION MAP

Project No. 1951

LEVINE • FRICKE
CONSULTING ENGINEERS AND HYDROGEOLOGISTS

AIK27DEC89mp4

3S/1E 29G4



EXPLANATION

- Clay
- Silt
- Sand
- Gravel

Well Permit No. 91474

Date well drilled: August 26, 1991

LF Geologist: Tom Zakaria

Approved by:

Figure C-2 : WELL CONSTRUCTION AND LITHOLOGY FOR WELL LF-2

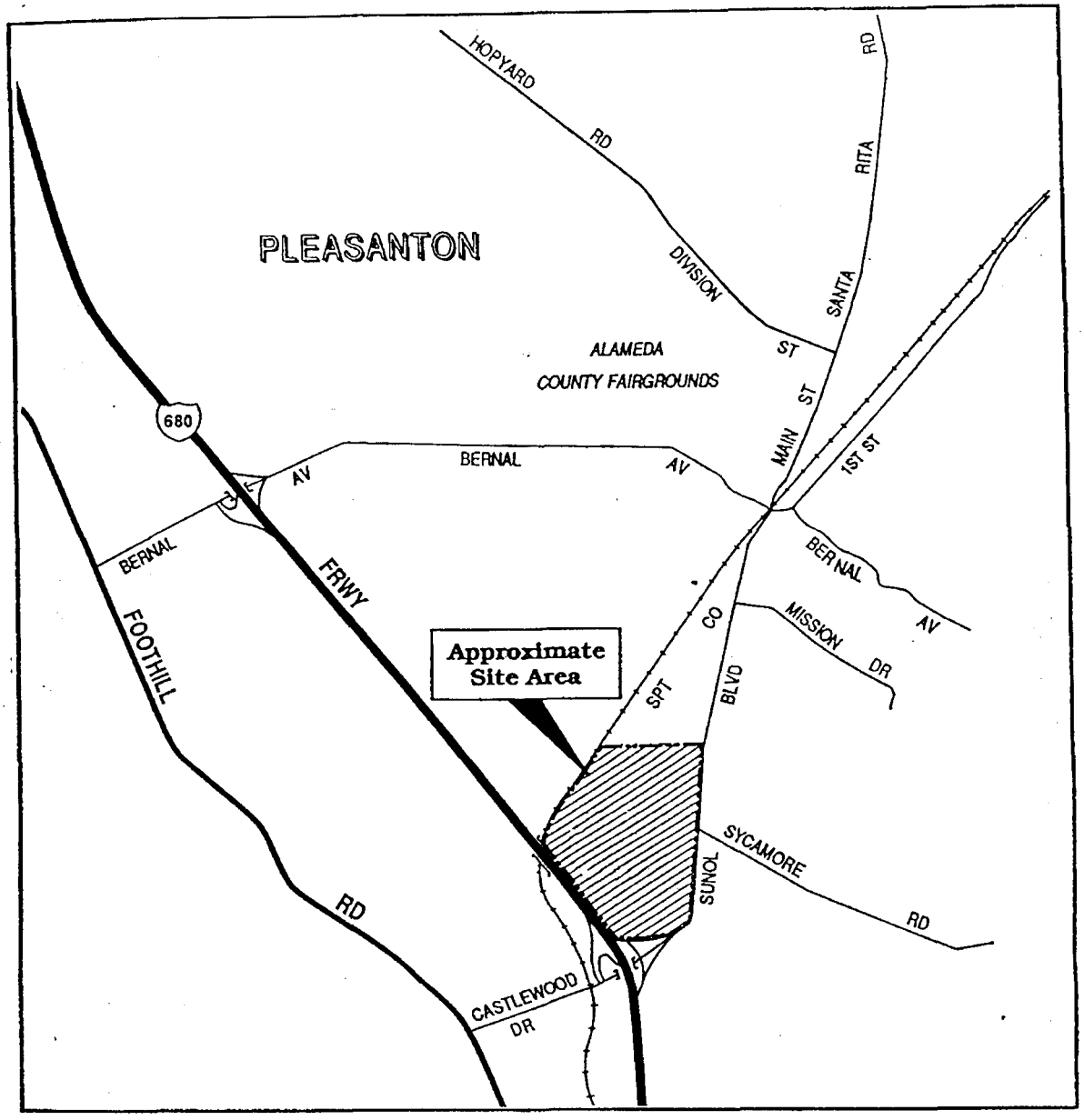
Project No. 1951

LEVINE • FRICKE
CONSULTING ENGINEERS AND HYDROGEOLOGISTS

04SEP91em

ph: 510-652 4500, Lic# 657-384167 963

3S/1E 29G4 TO 29Q6



Modified from:
Thomas Brothers Map,
1986

Figure 1 : SITE LOCATION MAP

Project No. 1951 (510) 652-4500 C57-384167

LEVINE • FRICKE
CONSULTING ENGINEERS AND HYDROGEOLOGISTS

AIK27DEC89mpa

963

3S/1E 29G4 TO 29G6

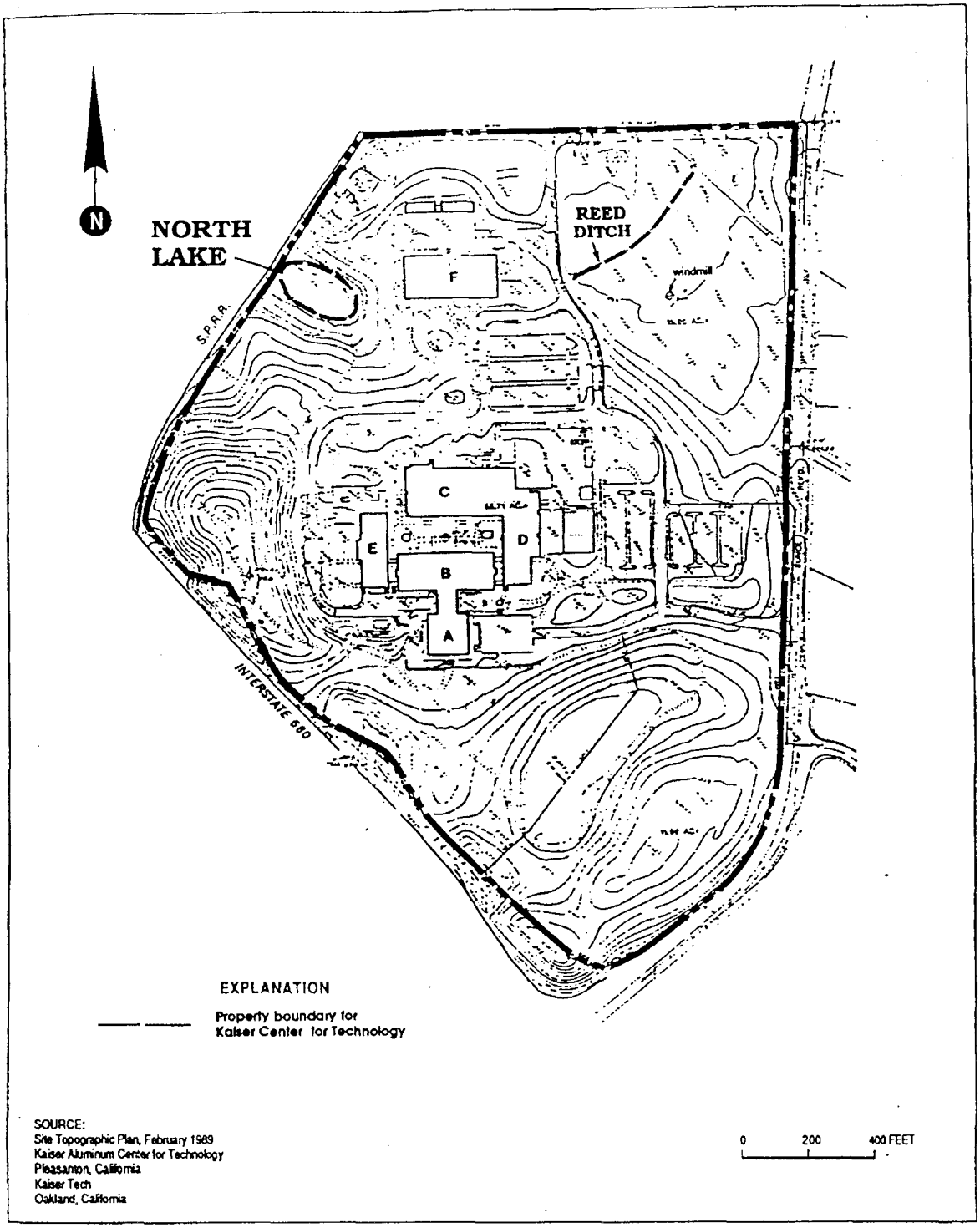


Figure 2 : SITE PLAN

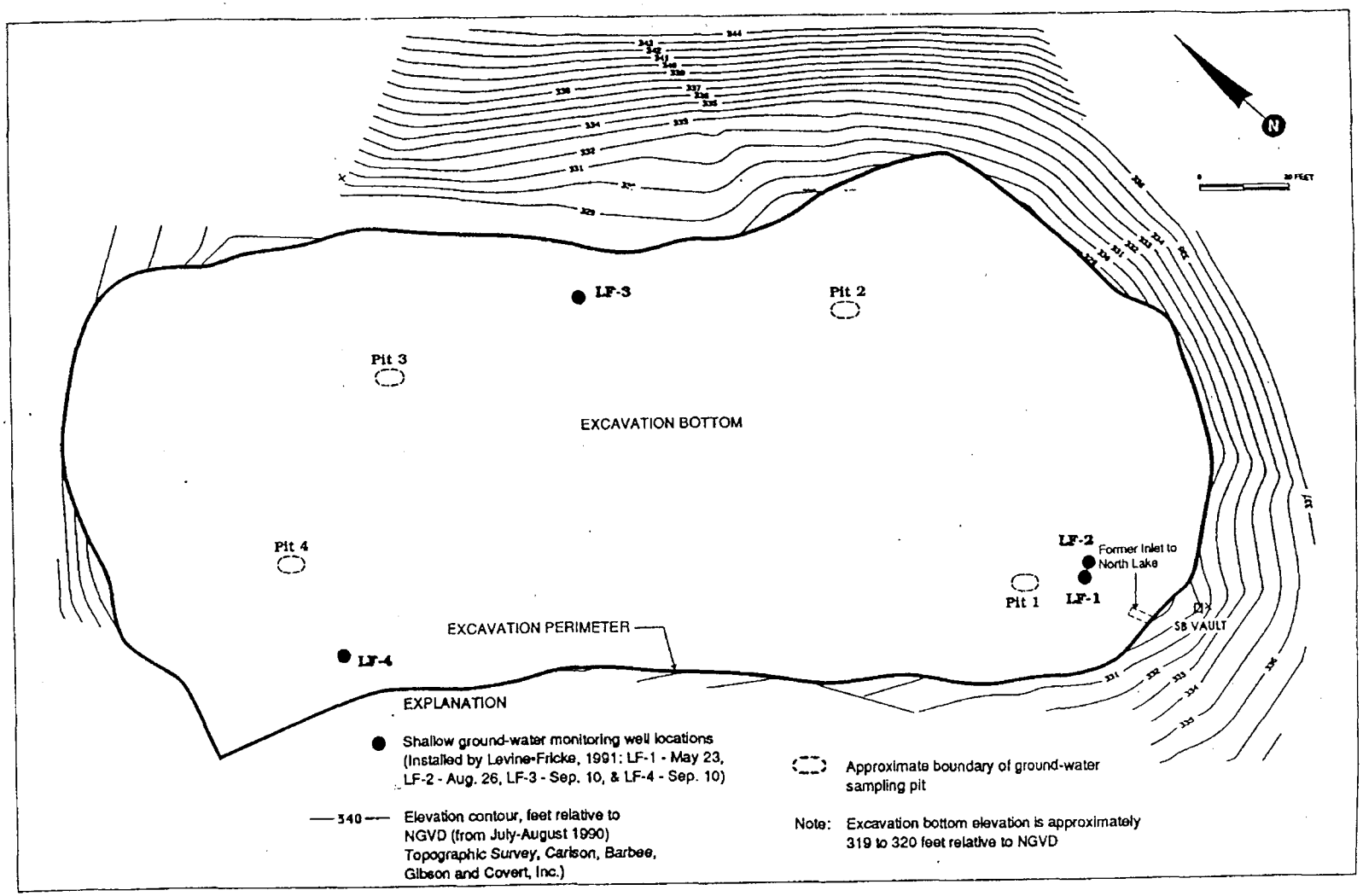


Figure 7: PLAN OF NORTH LAKE SHOWING GROUND-WATER SAMPLING LOCATIONS

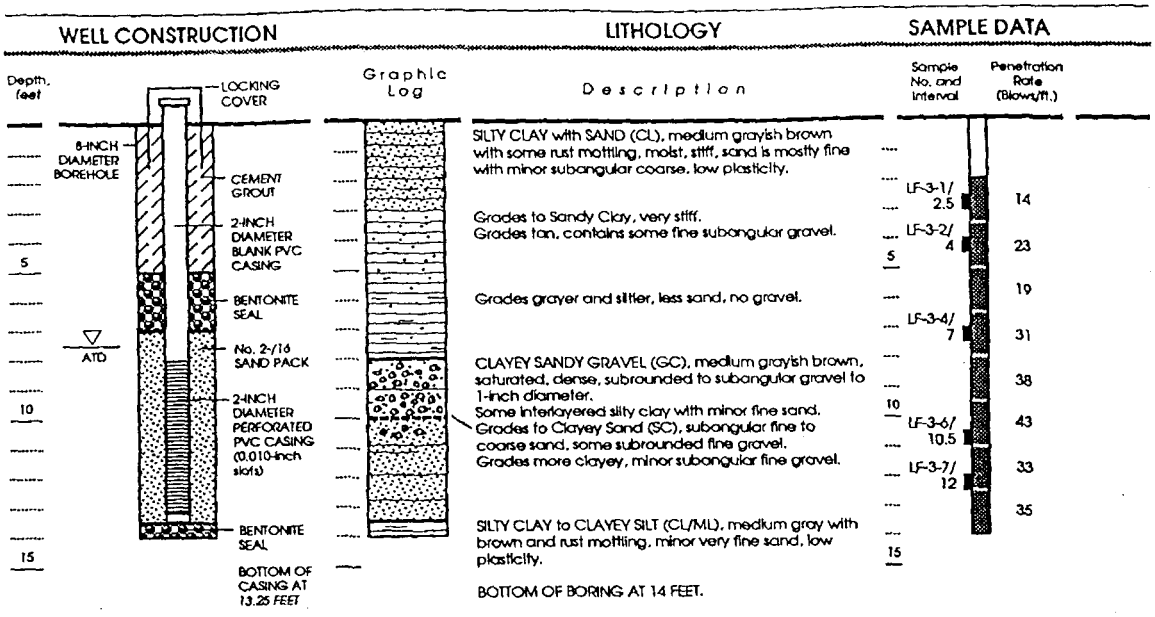
Project No. 1951

LEVINE•FRICKE
ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

MJS13JUN91MP0

3>/IE 2964 TO 2966

3S/1E 29G5



EXPLANATION

- Clay
- Silt
- Sand
- Gravel

Well Permit No.: 91531

Date well drilled: Sept. 10, 1991

Hammer weight: 140 lbs./30-inch drop cathead

LF Engineer: Julie Sharp

2-inch Modified California Sampler

Sample retained for chemical analysis

ATD — Water level at time of drilling

Approved by:

Figure C-3 : WELL CONSTRUCTION AND LITHOLOGY FOR WELL LF-3 (page 1 of 1)

Project No. 1951

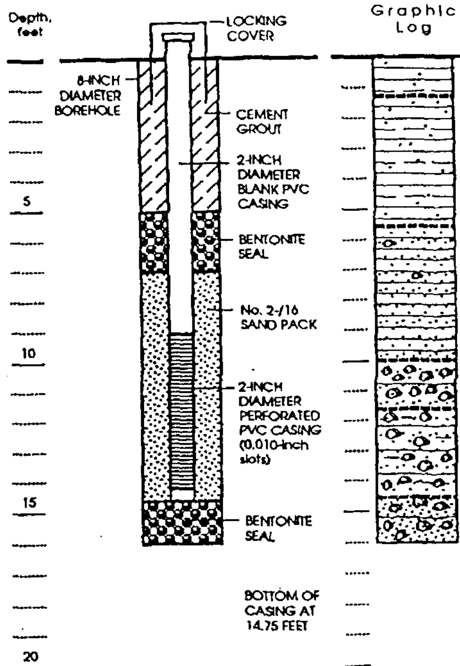
LEVINE•FRICKE
ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

JCS16SEP91MP0

463

36/1E 22G6

WELL CONSTRUCTION | LITHOLOGY | SAMPLE DATA



Description

SILTY CLAY (CL), tan, moist, minor very fine sand, occasional subangular gravel to 1-inch, moderate plasticity.
Grades to black, occasional subangular gravel to 1/2-inch diameter, sandier.

Grades to dark brown.

SANDY CLAY (CL), tan, slightly moist, hard, sand is fine to very fine, occasional subangular gravel to 1 1/2-inch diameter, low plasticity.

Grades to moist, very stiff to hard.

Grades to Clayey Sandy Gravel (GC), clay is blue to bluish gray with rust coloring throughout, moist, dense, subrounded gravel to 1 1/2-inch diameter, sand is fine to medium with some coarse and is subrounded to subangular.
Grades to Silty Sandy Clay with Gravel (CL), no color or moisture change, very stiff, sand is very fine to fine with minor subangular medium to coarse, gravel is subrounded and mostly fine with occasional to 1-inch diameter.
Grades to buff.
Grades to very Clayey Sand with Gravel (SC), tan, very moist, dense, sand is very fine to coarse subangular, gravel is subrounded and fine.

BOTTOM OF BORING AT 16 FEET.

Sample Data

Sample No. and Interval (depth, feet)	Penetration Rate (Blows/ft.)
	68
	37
	60
	28
	24
	34

EXPLANATION

- Clay
- Silt
- Sand
- Gravel

Well Permit No.: 91531
Date well drilled: Sept. 10, 1991
Hammer weight: 140 lbs./30-inch drop cathead
LF Engineer: Julie Sharp

2-inch Modified California Sampler

Note: Ground surface at LF-4 is approximately 5 feet above ground surface of North Lake bottom

Approved by: TWJ

Figure C-4 : WELL CONSTRUCTION AND LITHOLOGY FOR WELL LF-4 (page 1 of 1)

Project No. 1951

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ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

JCS16SEP91MPO

01-501K

3S/1E 29G7

Project: **Kaiser CFT**	Well No. **D2-MW1**		North: East:
Date Started: **9/30/91**	Total Depth: **68.9 ft.**	Casing Elev:	GW ATD: **52.9**
Date Completed: **10/3/91**	Perforation: **2" Sch. 40 PVC (0.010")**	From **50 ft.**	to **65 ft.**
Logged By: **L. Gruenberg** Checked By:	Pack: **#2/12 Monterey sand**	From **48 ft.**	to **69 ft.**
Drilling Co: **ASE** Driller: **Tom/Jeff**	Seal: **Bentonite**	From **45.5 ft.**	to **48 ft.**
Drilling Method: **Hollow Stem Auger**	**Grout**	From **0 ft.**	to **45.5 ft.**
Drilling Equipment: **B-57**	Casing: **2" Sch. 40 PVC** Drill Bit Diameter:		
	Sampler: **Modified California**		

Depth (feet)	LITHOLOGIC DESCRIPTION	LITH.	WELL CONSTRUCTION	Sample	Well Construction	REMARKS
	Gravel surface where tanks were excavated.	SM				
5	SILTY SAND Brown, grains to ~ 2 mm, *some pebbles*, dry.			X	4 5 5	D2-MW1-5
10	CLAYEY SILT Yellow brown, black flecks, mottled, very dense, slightly moist.			X	10 14 19	D2-MW1-10
15				X	8 10 14	D2-MW1-15
20	Encountered some fine sand.			X	8 10 12	D2-MW1-20
25	Grades to moderately dense.			X	10 11 15	D2-MW1-25
30	Grades to slightly moist.			X	7 16 19	D2-MW1-30
35				X	7 9 12	D2-MW1-35

01-501K

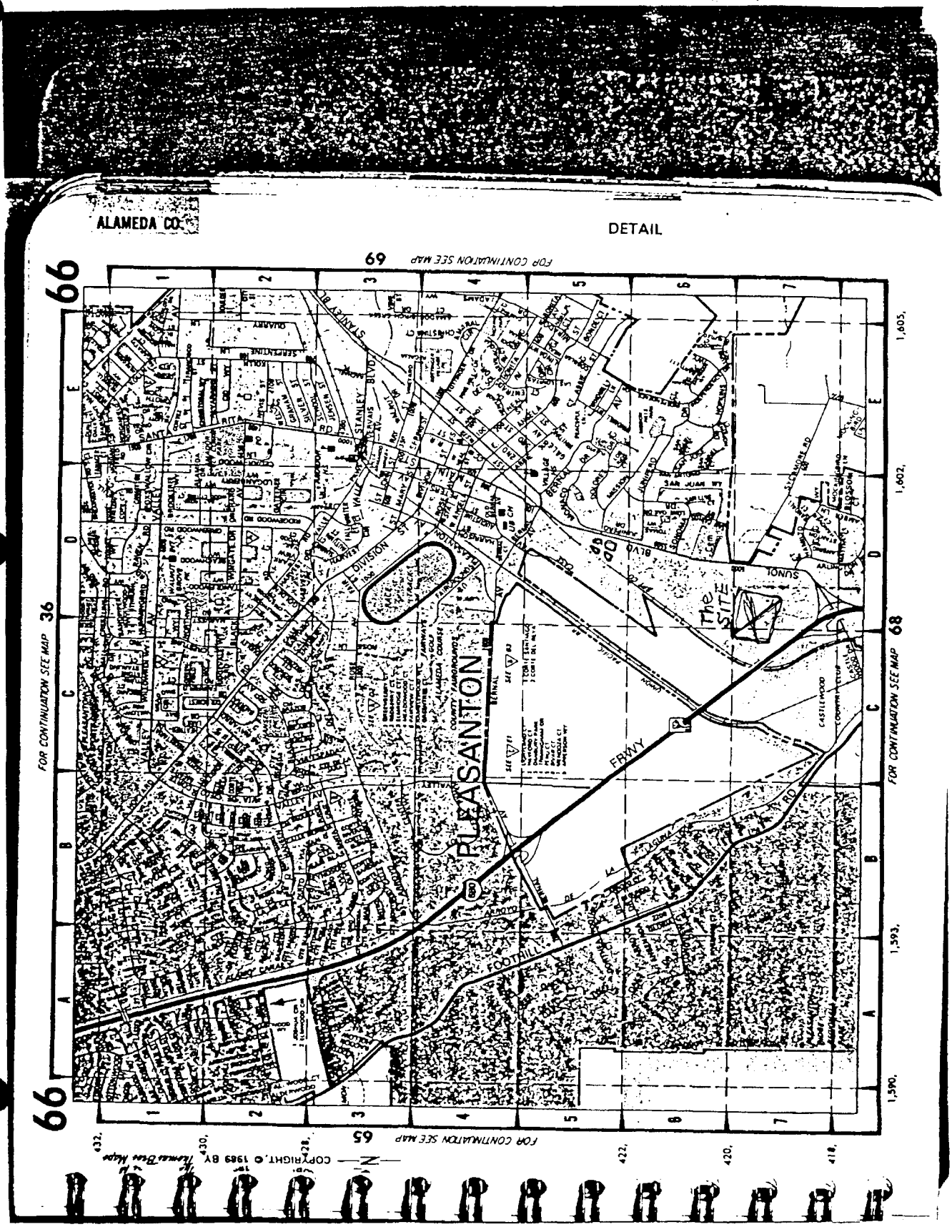
3S/1E 29G7

Project: Kaiser CFT | Well No. D2-MW1 | North: East:

Depth (feet)	LITHOLOGIC DESCRIPTION	LITH.	WELL CONSTRUCTION	Sample	Well Construction	REMARKS
40	Grades to more sand.			7		D2-MW1-40
				9		
				13		
45				5		D2-MW1-45
				12		
				14		
50						D2-MW1-50
				7		
				10		
				14		
55				9		D2-MW1-55
				12		
				13		
60						
65						
70	BOH - 68.9'					
75						
80						

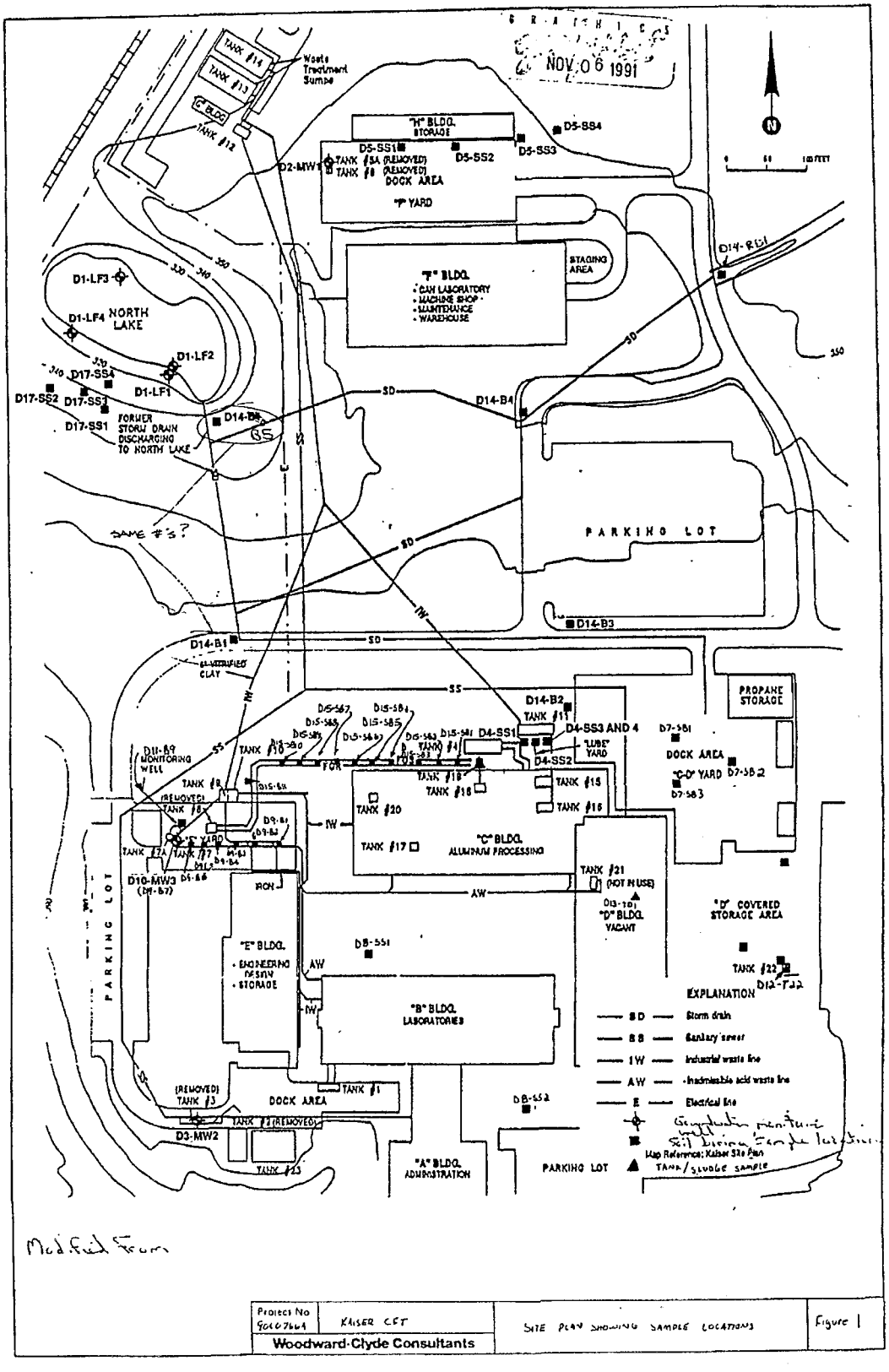
3S/1E 29G7 TO 29G9

PERMIT 91541 C57 487000 (510) 874-1765



3S/1E-29G7-9

01-501K-M



Project No 901076A9	KAISER CFT	SITE PLAN SHOWING SAMPLE LOCATIONS	Figure 1
Woodward-Clyde Consultants			

01-501L

35/1E 29G8

Project: **Kaiser CFT**	Well No. **D3-MW2**		North: East:
Date Started: **10/1/91**	Total Depth: **104.5 ft.**	Casing Elev:	GW ATD: **97.0**
Date Completed: **10/1/91**	Perforation: **2" Sch. 40 PVC 0.010 sl**	From **95 ft.**	to **106.5 ft**
Logged By: **L. Gruenberg** Checked By:	Pack: **#2/12 Monterey sand**	From **92.5 ft.**	to **104.5 ft**
Drilling Co: **ASE** Driller: **Tom/Jeff**	Seal: **Bentonite**	From **89.5 ft.**	to **92.5 ft.**
Drilling Method: **Hollow Stem Auger**	**Tremied Cement Grout**	From **0 ft.**	to **89.5 ft.**
Drilling Equipment: **B-57**	Casing: **2" Sch. 40 PVC**	Drill Bit Diameter:	
	Sampler: **Modified California**		

Depth (Feet)	LITHOLOGIC DESCRIPTION	LITH.	WELL CONSTRUCTION	Sample	Well Construction	REMARKS
	Asphalt surface 1 inch thick.					
5	SANDY GRAVEL Gray, very well sorted, 2 mm to pea, clean	GP			3 1 2	D3-MW2-5
10					2 2	D3-MW2-10
	CLAYEY SILT Yellow brown, medium dense, slightly damp, mottled.	ML			3 4 8 7 11 21	D3-MW2-12.5 D3-MW2-15B D3-MW2-15A (shoe)
20					8 15 24	D3-MW2-20 Continued drilling to 45
25	Grades to brown silt, rare gravel, slightly moist.					
30	Grades to slightly damp.					
	Gravels to 1/2 inch diameter.	GM				
35						

01-501L

35/1E 29G8

Project: Kaiser CFT | Well No. D3-MW2 | North: East:

Depth (feet)	LITHOLOGIC DESCRIPTION	LITH.	WELL CONSTRUCTION	Sample	Well Construction	REMARKS
40						
45	GRAVELLY SILT Yellow brown, slightly damp, 2 mm to 1/2 inch, moderately dense to dense.				7 25 60	D3-MW2-45
	Grades to same with trace clay, slightly moist				25 50 60	D3-MW2-50
50						
55					23 50 60	D3-MW2-55
60						Drilled to 60' and pulled up 5' to see if water enters hole Measure depth at 58' – no water ~ 2 pm Very slow drilling
65						
70						Lost bit into augers – 3 hours to remove Stopped for 10/1/91
75	CLAY Light gray, very stiff, with some fine sand, dry.	CL				
80						

01-501 EL

3S/1E 29G8

Project: Kaiser CFT | Well No. D3-MW2 | North: East:

Depth (feet)	LITHOLOGIC DESCRIPTION	LITH.	WELL CONSTRUCTION	Sample	Well Construction	REMARKS
						Added water to mixture
85	SILTY CLAY Light brown, some fine sand, low plasticity, dry.	CL				
90						
95	SILTY SAND GRAVEL MIXTURE Yellow brown to light brown, weathered churt and gravels to 1 1/2, poorly sorted, some clay, very dense, moist.	SM			10	
100	Grades to well sorted, wet. Weathered churt, some coarse sand and clay, wet, very dense, well sorted grains, gravels to 1.5".				60 20	
105	BOH -- 104.5'				60 80/4	
110						
115						
120						

01-501M

3S/1E 29 G9

D10-MW3

Project: **Kaiser CFT**	**Boring No. D9-B7**	North: East:	
Date Started: **10/4/91**	Total Depth: **66.5 ft.**	Ground Elev:	GW ATD: **56.2**
Date Completed: **10/4/91**	Perforation: **Screen**	From **50 ft.**	to **65 ft.**
Logged By: **L. Gruenberg** Checked By:	Pack: **Sand**	From **48 ft.**	to **66.5 ft.**
Drilling Co: **ASE** Driller: **Tom/Steve**	Seal: **Bentonite**	From **46 ft.**	to **48 ft.**
Drilling Method: **Hollow Stem Auger**	**Grout**	From **0 ft.**	to **46 ft.**
Drilling Equipment: **B-57**	Casing: **NA**	Drill Bit Diameter:	
	Sampler: **Modified California**		

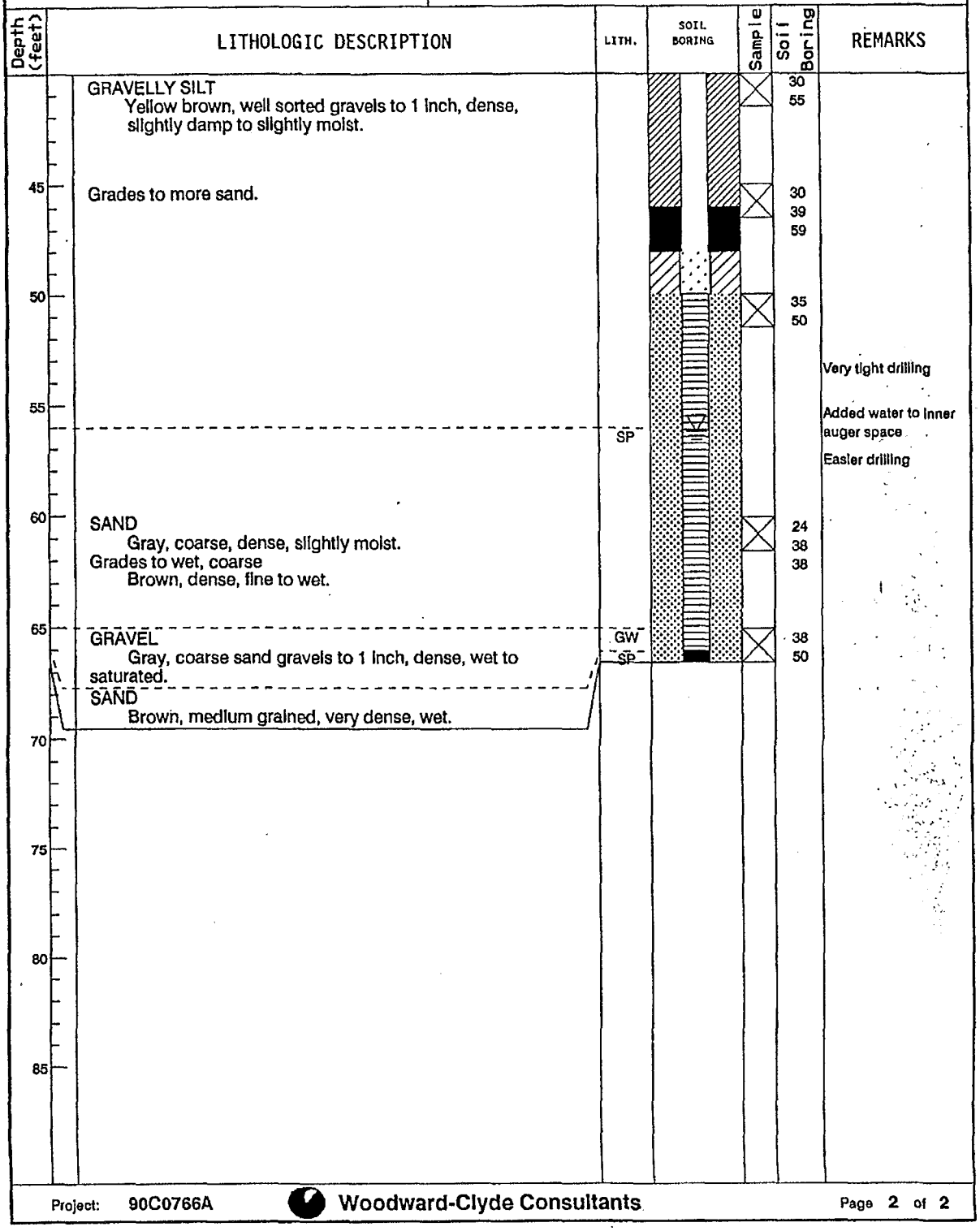
Depth (feet)	LITHOLOGIC DESCRIPTION	LITH.	Sample	Soil Boring	REMARKS
	Concrete core ~ 12 in. thick.	GM			Redrill through grout 10/8/91
	SILTY GRAVELS Brown, 1 inch diameter.				
	CLAYEY SILT Brown, damp.	ML			
5					
10					
	CLAYEY SILT Yellow brown mottled with black flecks. Some fine sand, medium dense, slightly damp.				
15				10 15 22	10/8/91
	Grades to some medium sand.				
20				18 32 38	
	GRAVELLY SILT Brown, white, angular gravels to 1 inch, rare churt, patches of dark brown silt, moderately dense, damp.	GM			
25				28 45 60	
		ML			
30	CLAYEY SILT Mottled, dense, damp.			18 24 20	
35				11 17 28	
40					

01-501M

35/1E 29G9

D10-MW3

Project: Kaiser CFT | Boring No. D9-B7 | North: East:



Project: 90C0766A | Woodward-Clyde Consultants | Page 2 of 2

01-56

35/1E 29B1

Regis - Oltmans II

393 Vintage Park Drive, Suite 100, Foster City, California 94404 (415) 378-2806

August 14, 1996

Mr. Wyman Hong
Zone 7 Water Agency
5997 Parkside Drive
Pleasanton, CA 94588

Ref: The Promenade Apartments
Pleasanton, CA

Dear Mr. Hong:

Pursuant to our telephone conversation yesterday, August 13, 1996, please be informed that the well abandonment and destruction of well #35/1E 29B1 was performed in accordance with the Zone 7 Water Agency Permit No. 96402 Destruction Requirements dated June 10, 1996.

The above mentioned well destruction was completed on June 12, 1996 and inspected by Zone 7 Water Agency on that same day.

If you should have any questions, please do not hesitate to call me at (415) 377-5818.

Thank You.

Sincerely,

Regis-Oltmans II

Michael Kaizoji
Senior Project Manager

cc: Dan Deibel, RCNC
Rick Webber, Regis-Oltmans II
Chron

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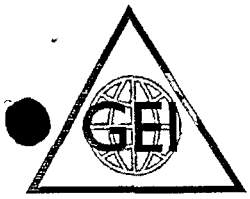
3766695
3S/1E 29G15



June 3, 2002

Wyman Hong
Water Resources Technician II
Zone 7 Water Resource Management
Alameda County Flood Control and Water Conservation District
5997 Parkside Drive
Pleasanton, CA 94588-5127

Re: Well Destruction Report for Groundwater Monitoring Well MW-9 (3S/1E 29G15)
Drilling Permit No. 22067
Applied Biosystems Pleasanton Campus, 6001 Sunol Blvd., Pleasanton, CA

Dear Mr. Hong:

On behalf of Applied Biosystems (AB), Green Environment, Inc. (GEI) is pleased to submit the following report that summarizes the well destruction activities that took place on April 18 and 19, 2002 at the AB Pleasanton Campus Site. The subject site is located at 6001 Sunol Boulevard in Pleasanton, Alameda County, California (Figure 1).

The groundwater monitoring well, identified as Well MW-9 with ID 3S/1E 29G15, was located in the proposed footprint of a concrete equipment pad at the AB Pleasanton Facility. The well location is shown on Figure 2. A copy of the well log is attached to this letter report.

Pre-Field Activities

In August 2001, GEI submitted a workplan for the well destruction to Mr. Jacinto Soto, California Department of Toxic Substances Control (DTSC) for approval. The workplan, *"Workplan, Well MW-9 Destruction, Former Kaiser Research Center, Pleasanton, California,"* was dated August 27, 2001. An addendum was subsequently submitted on September 10, 2001, *"Workplan Clarification, Monitor Well MW-9 Destruction, AB Pleasanton, 6001 Sunol Blvd., Pleasanton, California."* On April 11, 2002, GEI received DTSC approval to proceed with the well destruction.

GEI procured a drilling permit for the well destruction from Zone 7 Water Resources Management, Alameda County Flood Control and Water Conservation District. The drilling permit was issued on April 18, 2002. A copy of the drilling permit (Permit #22067) is attached to this letter report.

3766695

Well MW-9 Destruction

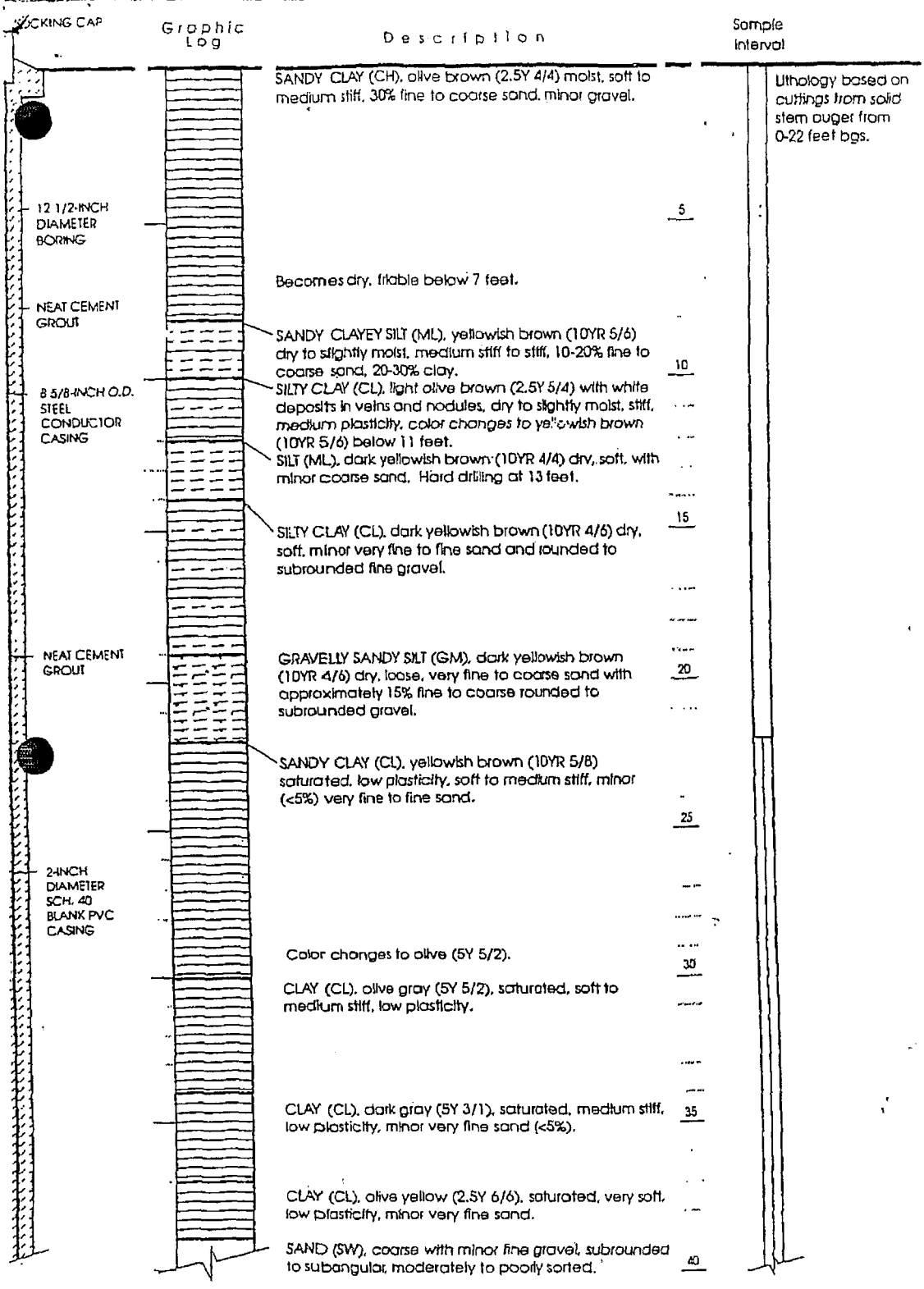
Under the supervision of a Registered Geologist/Engineering Geologist for GEI, Well MW-9 (identified as 3S/1E 29G15) was destroyed on April 18 and 19, 2002 by HEW Drilling Company, Inc. (HEW Drilling) of East Palo Alto, California. HEW Drilling is a licensed driller with C57 License No. 604987. The groundwater monitoring well was destroyed in accordance with the approved workplan. A health and safety plan was prepared for this work and field personnel were briefed on plan provisions prior to the start of the work.

The log of Well MW-9 is attached. Well MW-9 consisted of a 2-inch diameter polyvinyl chloride (PVC) well casing approximately 145 feet in length. An outer steel conductor casing (8-5/8-inch diameter), approximately 88 feet in length, encased the top of the PVC casing. Due to recent site grading activities, the top 32 feet of Well MW-9 including the well box was exposed and extended vertically up from the existing grade. The remaining 113 feet of Well MW-9 was in the ground and required overdrilling. An excavator and backhoe were used to provide a ramp and access to the well site for the drillers.

On April 18, 2002, HEW Drilling utilized steel cutting equipment to cut the exposed steel conductor casing and remove the standing 32-foot section of the well. After cutting the steel conductor casing at approximately the 350 feet above mean sea level (ft msl) elevation, a backhoe was used to knockdown the standing 32-foot section of the well. HEW Drilling then set-up the drill rig directly on top of the cut conductor casing and began to overdrill the 2-inch diameter PVC casing and annular space filler. By the end of the day, the driller had completed overdrilling (removal of PVC casing and annular space filler) approximately 82 feet of the well. The top of the well was protected and covered to prevent unauthorized access.

The following day, on April 19, HEW Drilling completed the overdrilling of the well so that the casing, seal and annular space filler were removed to the bottom of the well. The borehole was backfilled in one continuous operation with neat cement. The neat cement was tremied from the bottom up to ground surface. The outer conductor casing below the 350 ft msl surface cut was left in-place.

TRUCTION | LITHOLOGY | SAMPLE DATA 376095



B-1 : PIEZOMETER CONSTRUCTION AND LITHOLOGY FOR PIEZOMETER MW-9 *(page 1 of 4)*

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ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

T/RYL

WELL CONSTRUCTION | LITHOLOGY | SAMPLE DATA 3766695

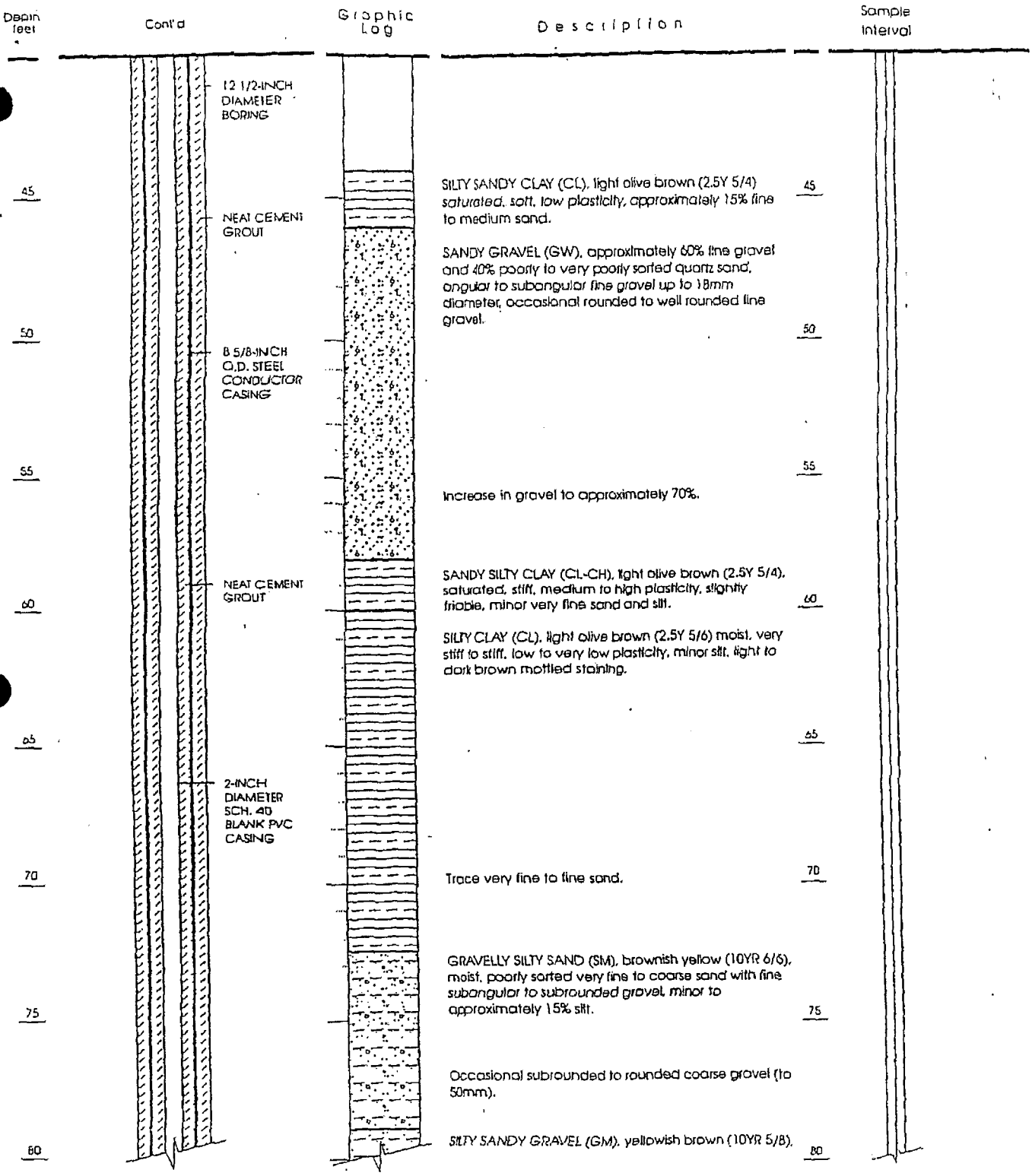

Figure B-1 : PIEZOMETER CONSTRUCTION AND LITHOLOGY FOR PIEZOMETER MW-9 *(page 2 of 4)*

Project No. 1951

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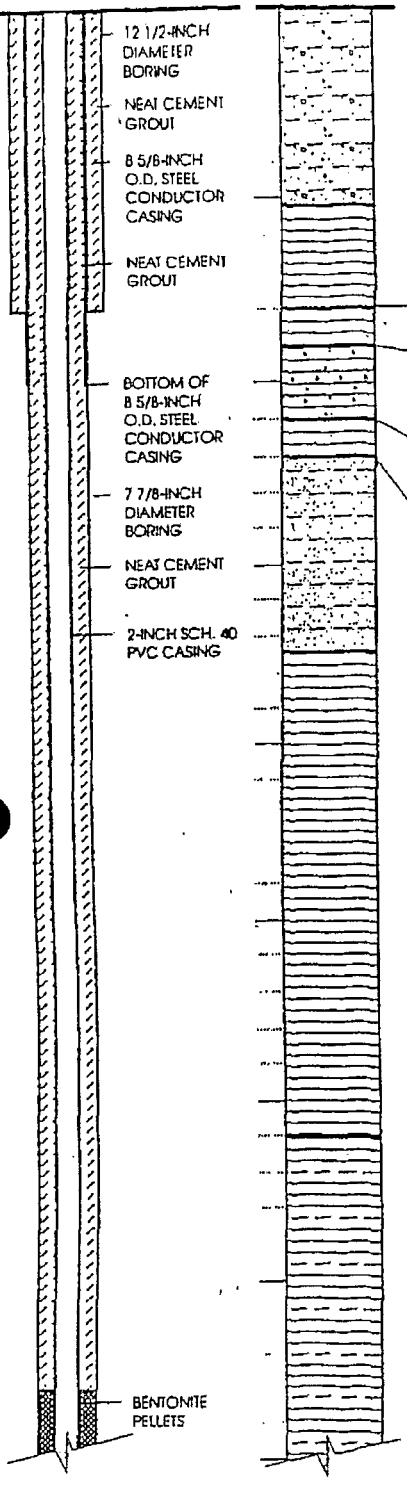
WELL CONSTRUCTION	LITHOLOGY		SAMPLE DATA
Cont'd.	Graphic Log	Description	Sample Interval



saturated, semiconsolidated, approximately 60% fine to coarse rounded to subrounded gravel (up to 53 mm. diameter), approximately 30% fine to coarse sand, minor (8%) silt, with trace (2%) clay.

85

CLAY (CL-CH), yellowish brown (10YR 5/6), moist, stiff to very stiff, medium to high plasticity, mottled with dark yellowish brown staining.

SANDY CLAY (CL), yellowish brown (10YR 5/6) moist, medium stiff, minor very fine to fine sand.

GRAVELLY SANDY CLAY (CL), gray (10YR 5/1) moist to wet, poorly sorted very fine sand to fine gravel, subangular to subrounded. Approximately 25% gravel, 35% sand, 40% clay.

90

SANDY CLAY (CL), yellowish brown (10YR 5/6), wet to saturated, medium stiff, low plasticity, very fine to coarse sand.

SILTY SAND (SM), light olive brown (2.5Y 5/4), wet, moderate to well sorted very fine to coarse sand with appreciable amounts of silt, trace clay, well consolidated.

95

CLAY (CL-CH), yellowish brown (10YR 5/6), moist, medium to high plasticity, stiff to very stiff, mottled with dark yellowish brown staining, trace silt.

100

105

CLAY (CH), yellowish brown (10YR 5/6), moist, stiff to very stiff, moderate to high plasticity, mottled with rusty brown stain, minor to trace silt.

110

SILTY CLAY (CL), dark grayish brown (10YR 4/2), moist, soft to medium stiff, well consolidated, slightly mottled with dark yellowish brown, low to very low plasticity.

115

120

Figure B-1 : PIEZOMETER CONSTRUCTION AND LITHOLOGY FOR PIEZOMETER MW-9 *(page 3 of 4)*

WELL CONSTRUCTION | LITHOLOGY | SAMPLE DATA

Depth feet	Cont'd....	Graphic Log	Description	Sample Interval
	7 7/8-INCH DIAMETER BORING		SILTY SAND (SM), brown (10YR 5/3), moist to very moist, very fine to medium sand, well sorted, fairly consolidated, approximately 15% silt with trace clay. SILTY SAND (SM), very moist, very fine to fine sand, medium to minor silt, trace coarse sand, poorly sorted.	
125	2-INCH DIAMETER SCH. 40 PERFORATED PVC CASING (0.020-inch slots)		SAND (SP), yellowish brown (10YR 5/8), moist to very moist, fair to well sorted, fine to coarse sand, poorly consolidated, minor angular to subangular fine gravel, trace silt.	125
			Increased coarse sand with common fine gravel.	
130			GRAVELLY SAND (SW), yellow brown (10YR 5/8), very moist to wet, poorly sorted fine to coarse sand, approximately 15% of subrounded to subangular fine gravel, trace silt.	130
135	No. 2/12 LONESTAR SAND		SANDY SILTY GRAVEL (GM), yellowish brown (10YR 5/8), very moist to wet, fine to coarse subrounded to subangular gravel, very fine to coarse sand, moderate silt with trace clay.	135
140				140
145	SCREW CAP		CLAY (CL-CH), light gray (5Y 7/2), moist, stiff to very stiff, moderate to high plasticity, occasional rust brown and black mottled staining, trace silt.	145
			DRILL AND CORE SAMPLE TO 147 FEET BGS USING 94MM BIT. BOTTOM OF 12 1/2-INCH DIAMETER BORING AT 88 FEET BGS. BOTTOM OF 7 7/8-INCH BORING AT 145 FEET BGS. BOTTOM OF 2-INCH DIAMETER PVC CASING AT 145 FEET BGS.	
150				150

3716695

Well Permit No.: 96051
Date well drilled: February 1-6, 1996
Drilling company: Exploration Drilling
Driller: Wilbur/Arnold
LF Geologist: Dan J. Foster

EXPLANATION

- Clay
- Silt
- Sand
- Gravel
- Wireline continuous core sampler

BGS = Below ground surface
O.D. = Outside diameter

Approved by: Jane D. Chambers #5845

Figure B-1 : PIEZOMETER CONSTRUCTION AND LITHOLOGY FOR PIEZOMETER MW-9 (page 4 of 4)

Project No. 1951

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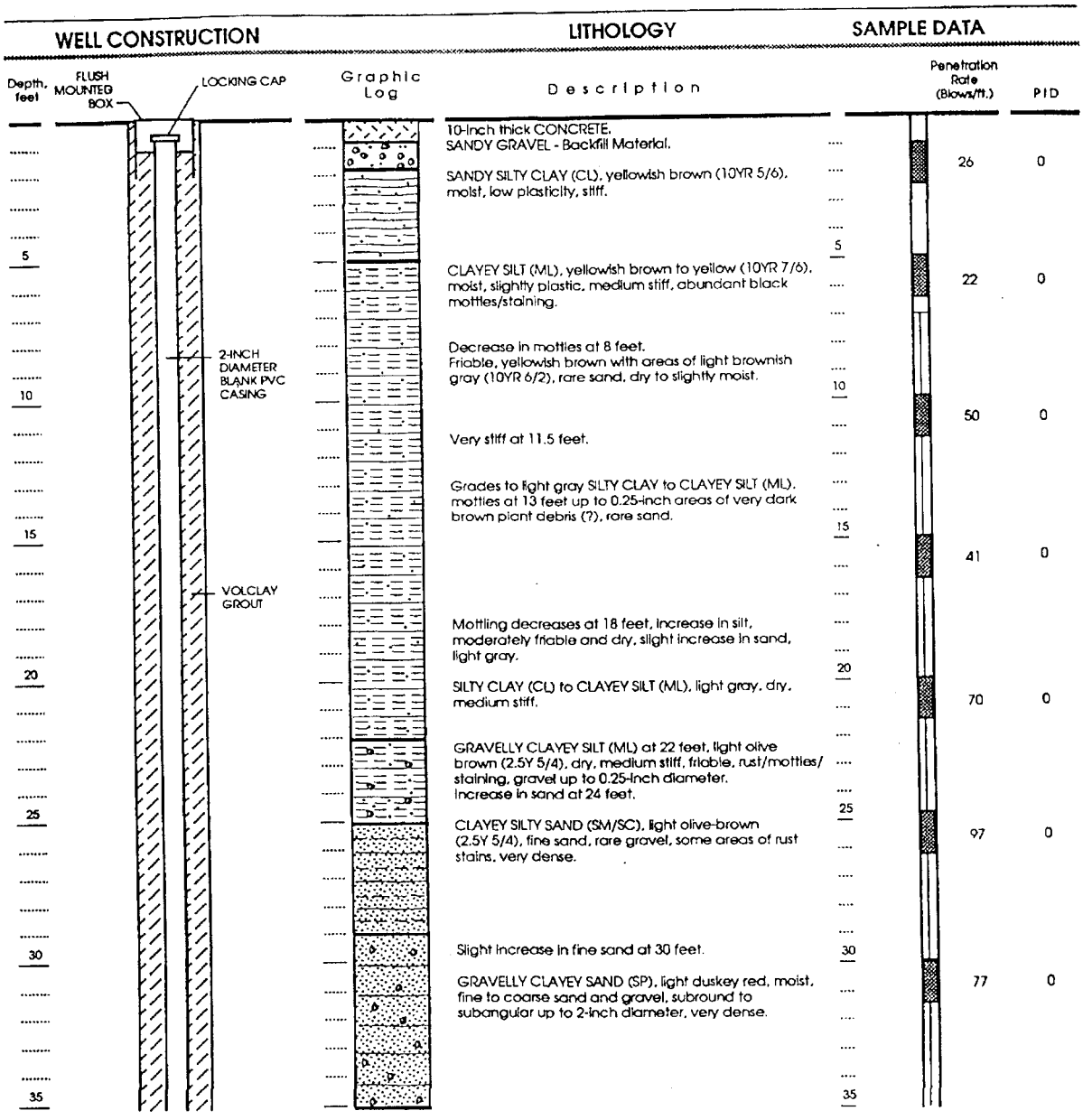

WELL CONSTRUCTION AND LITHOLOGY FOR WELL MW-4 (page 1 of 2)

Project No. 1951

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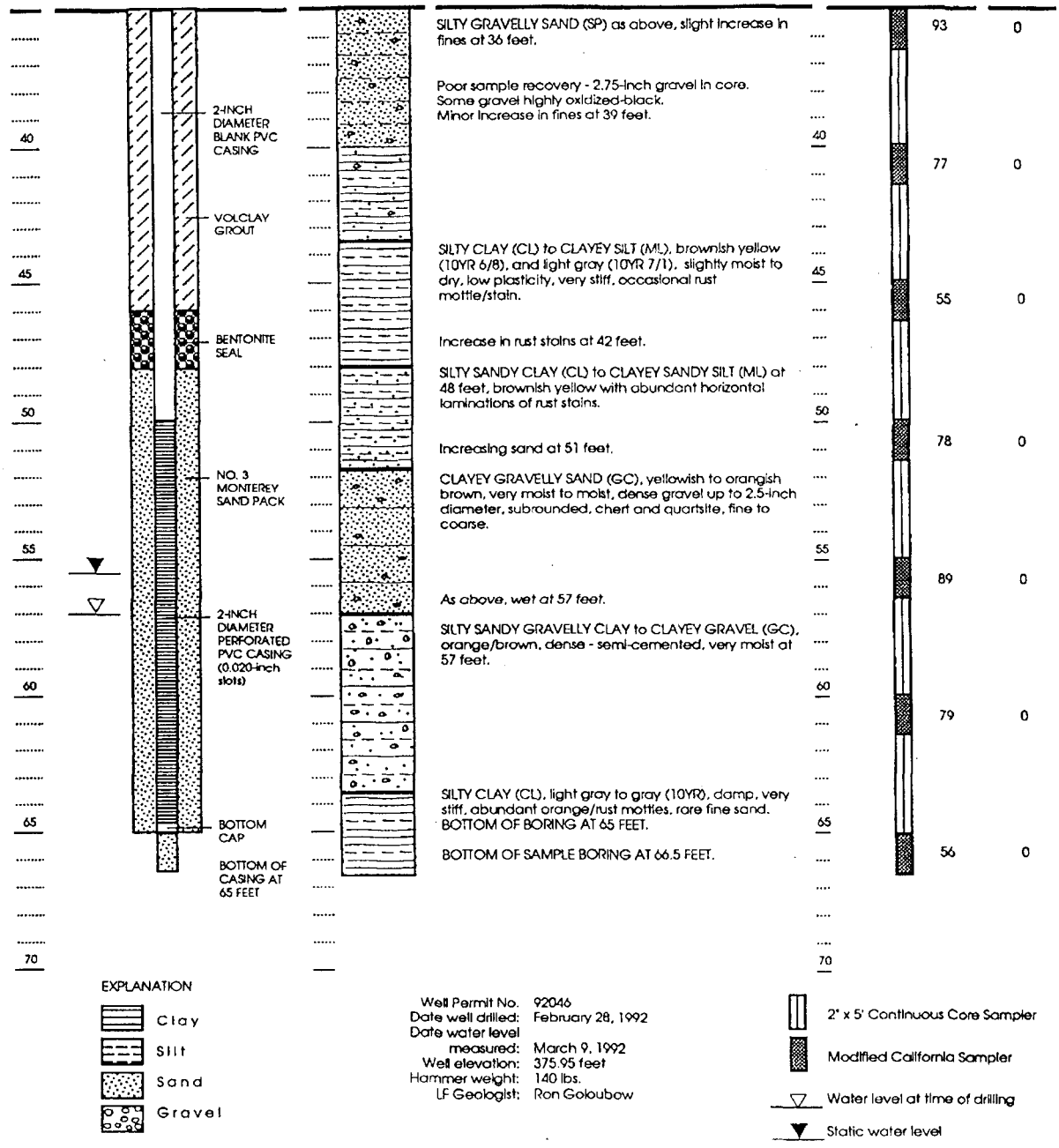

Approved by:

WELL CONSTRUCTION AND LITHOLOGY FOR WELL MW-4 (page 2 of 2)

Project No. 1951

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(WELL LOGS)

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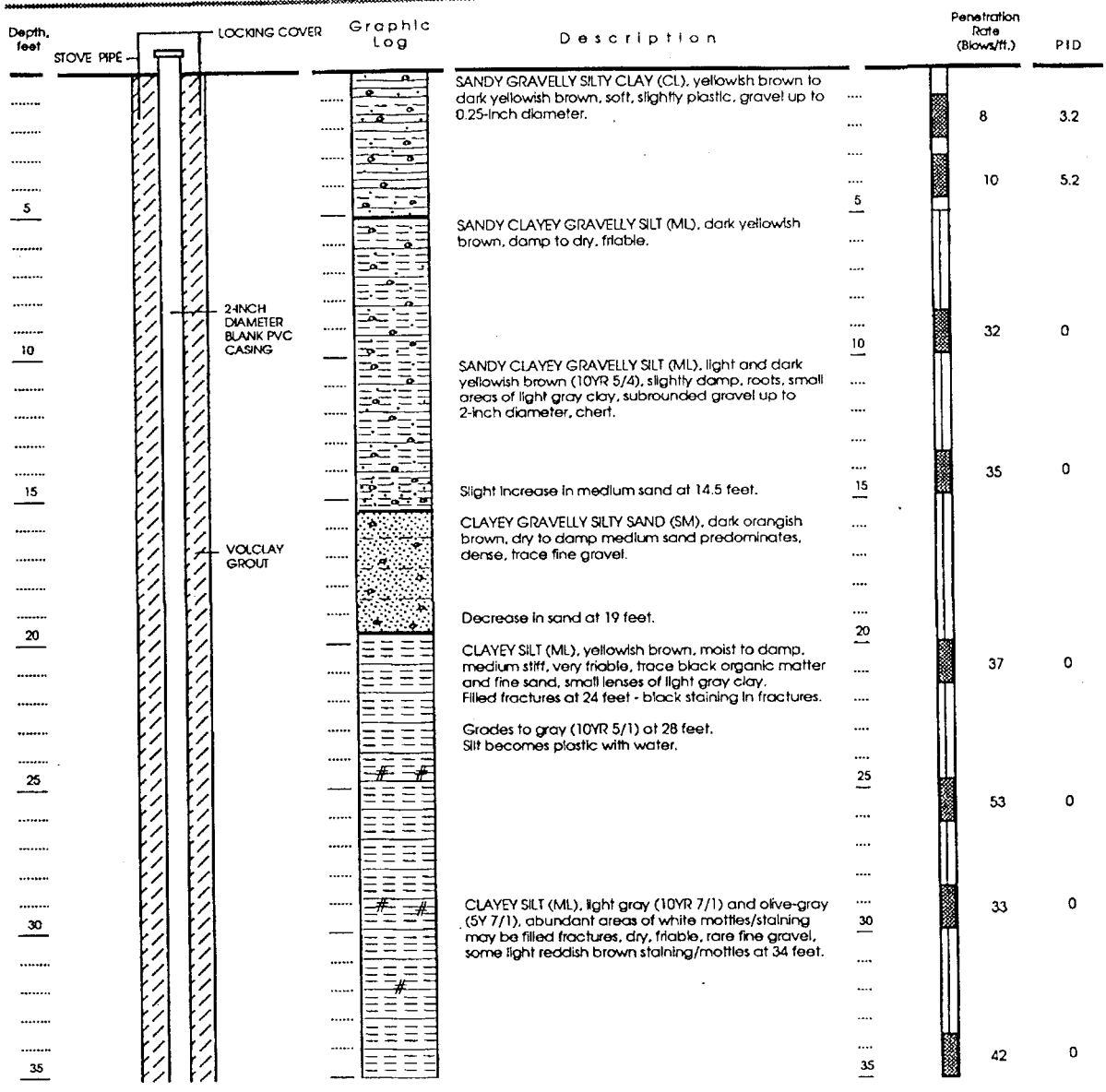

WELL CONSTRUCTION AND LITHOLOGY FOR WELL MW-5 (page 1 of 3)

Project No. 1951

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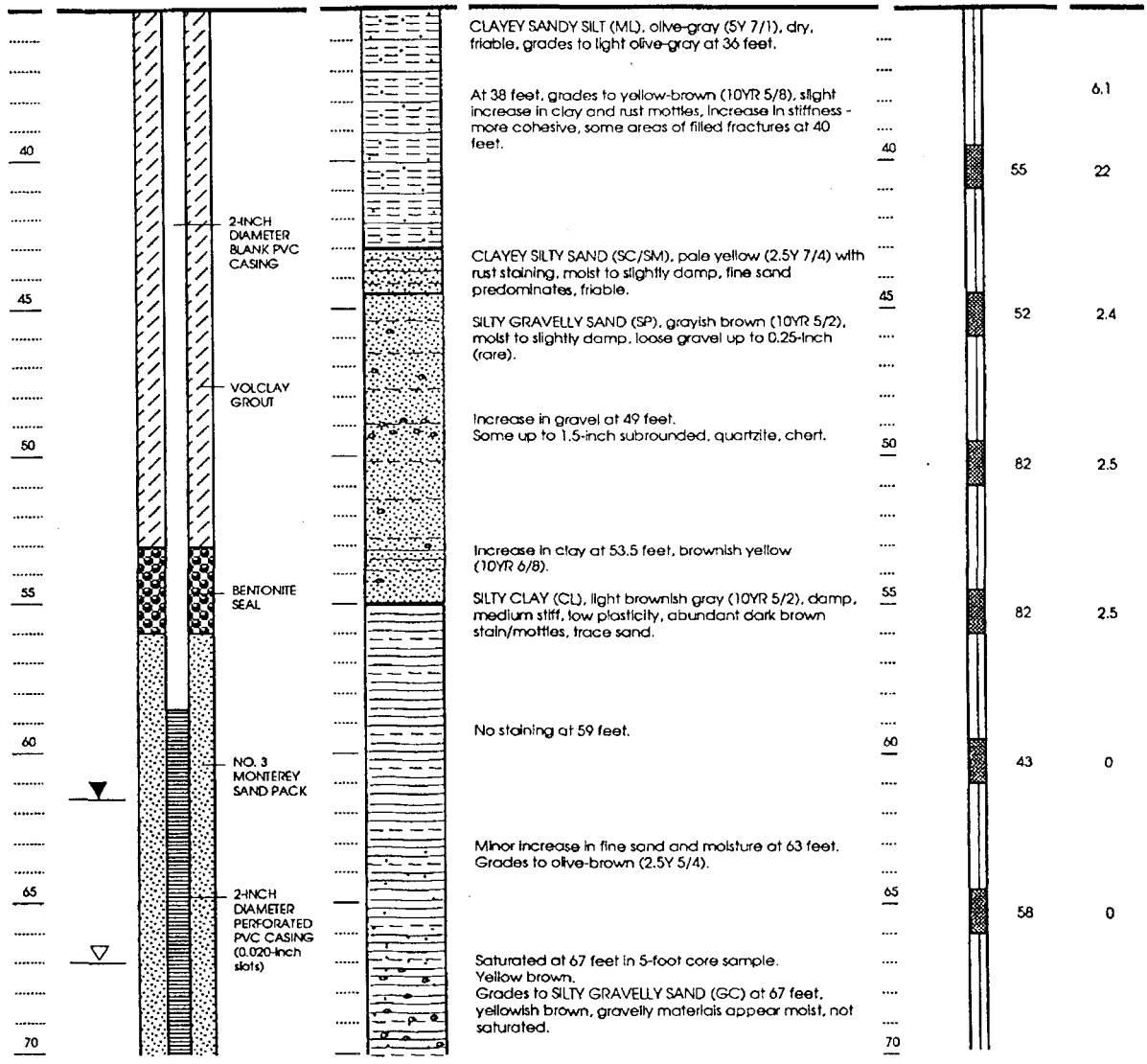

WELL CONSTRUCTION AND LITHOLOGY FOR WELL MW-5 (page 2 of 3)

Project No. 1951

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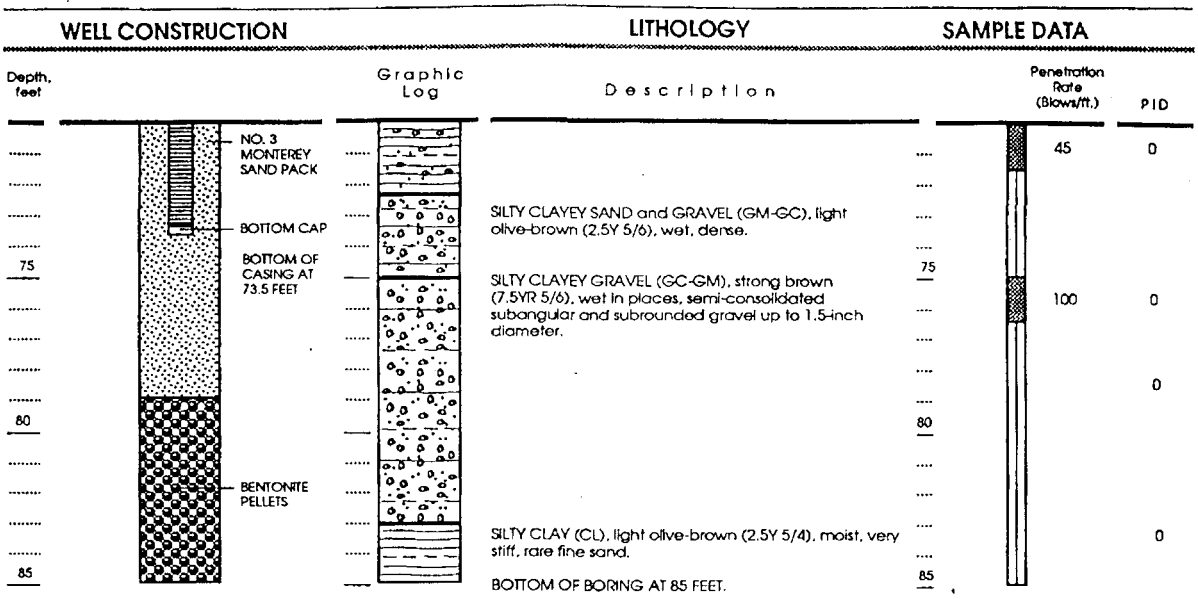

EXPLANATION

- Clay
- Silt
- Sand
- Gravel

Well Permit No. 92046
Date well drilled: February 27, 1992
Date water level measured: March 9, 1992
Well elevation: 381.59 feet
Hammer weight: 140 lbs.
LF Geologist: Ron Goloubow

- 2" x 5' Continuous Core Sampler
- Modified California Sampler
- ATD — Water level at time of drilling
- Static water level

Approved by:

WELL CONSTRUCTION AND LITHOLOGY FOR WELL MW-5 (page 3 of 3)

Project No. 1951

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(WELL LOGS)

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35/1E-29 G14

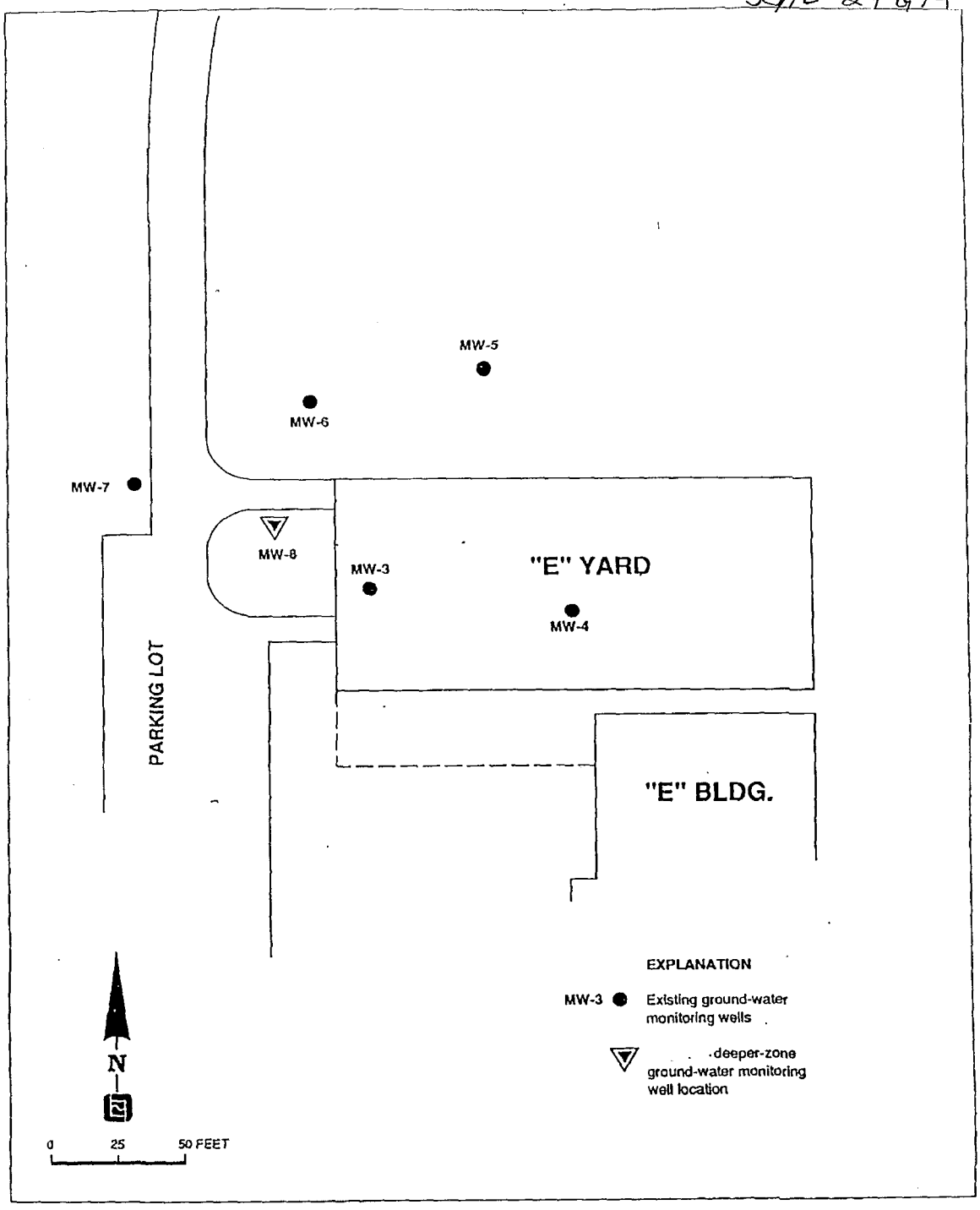

Figure 1: DEEPER-ZONE GROUND-WATER MONITORING WELL LOCATION

Project No. 1951.30

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405261 3S/1E-29G14

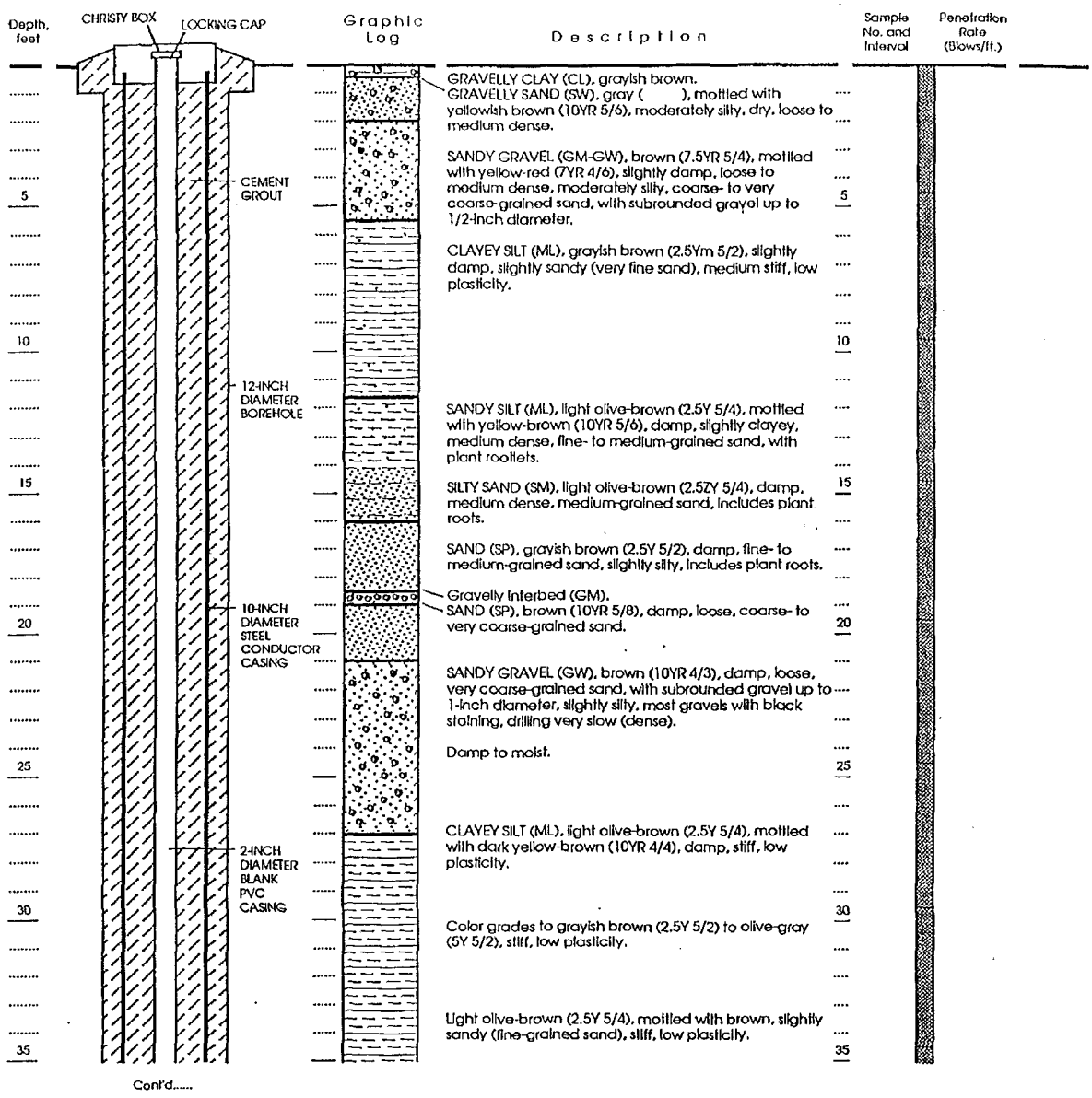

Figure : WELL CONSTRUCTION AND LITHOLOGY FOR WELL MW-8 (page 1 of 4)

Project No. 1951.30

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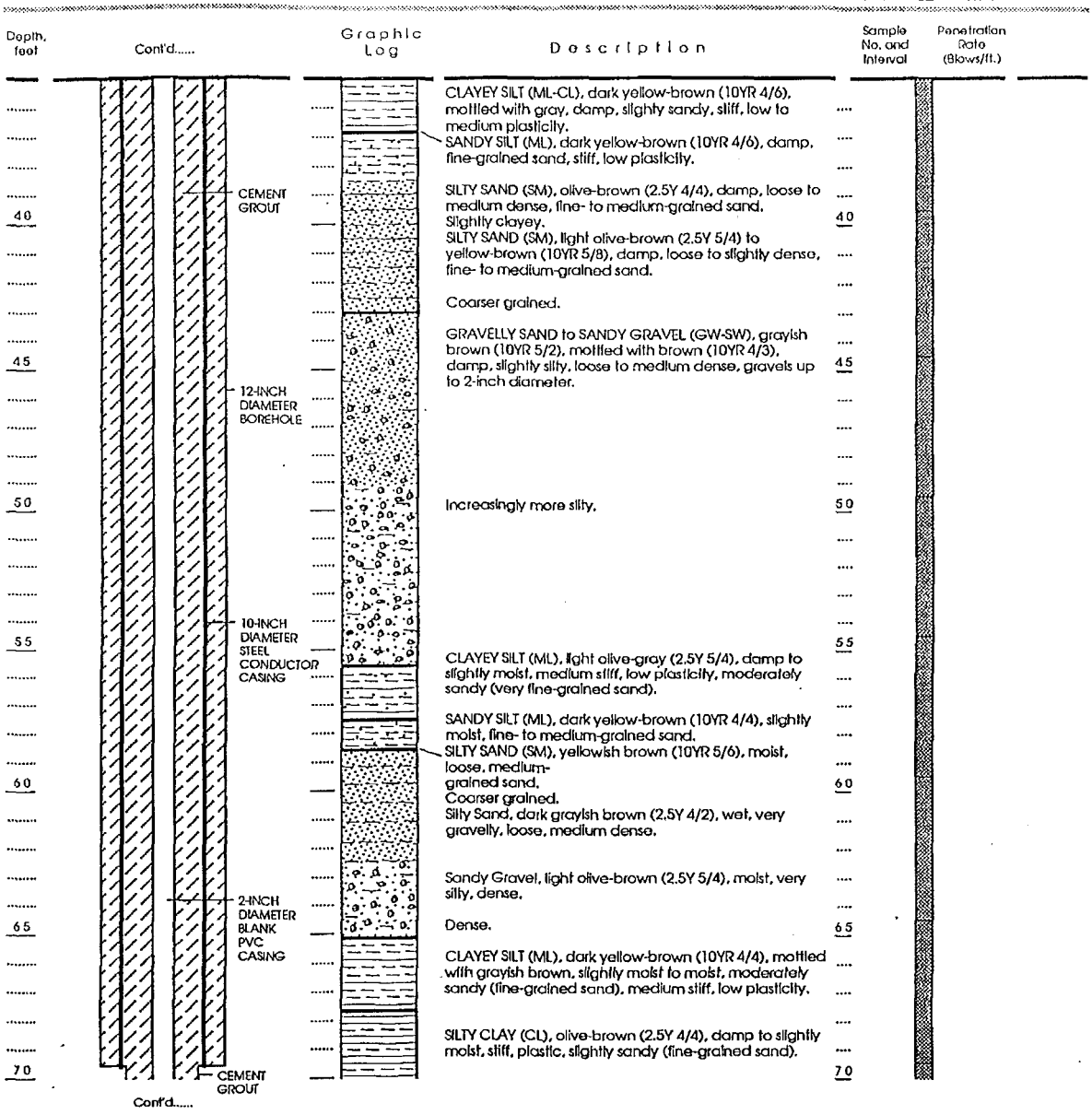

Figure : WELL CONSTRUCTION AND LITHOLOGY FOR WELL MW-8 (page 2 of 4)

Project No. 1951.30

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ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

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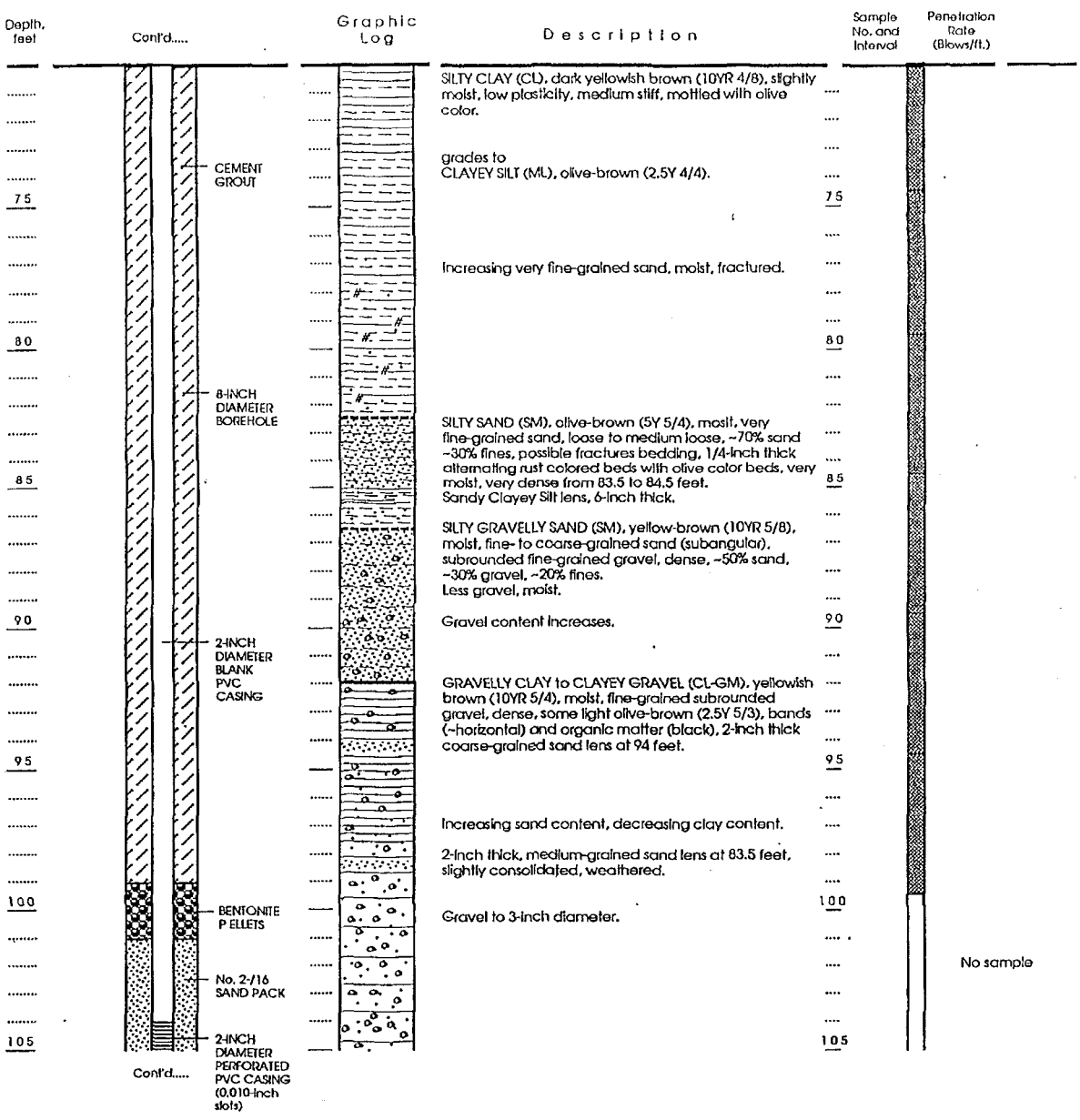

Figure : WELL CONSTRUCTION AND LITHOLOGY FOR WELL MW-8 (page 3 of 4)

Project No. 1951.30

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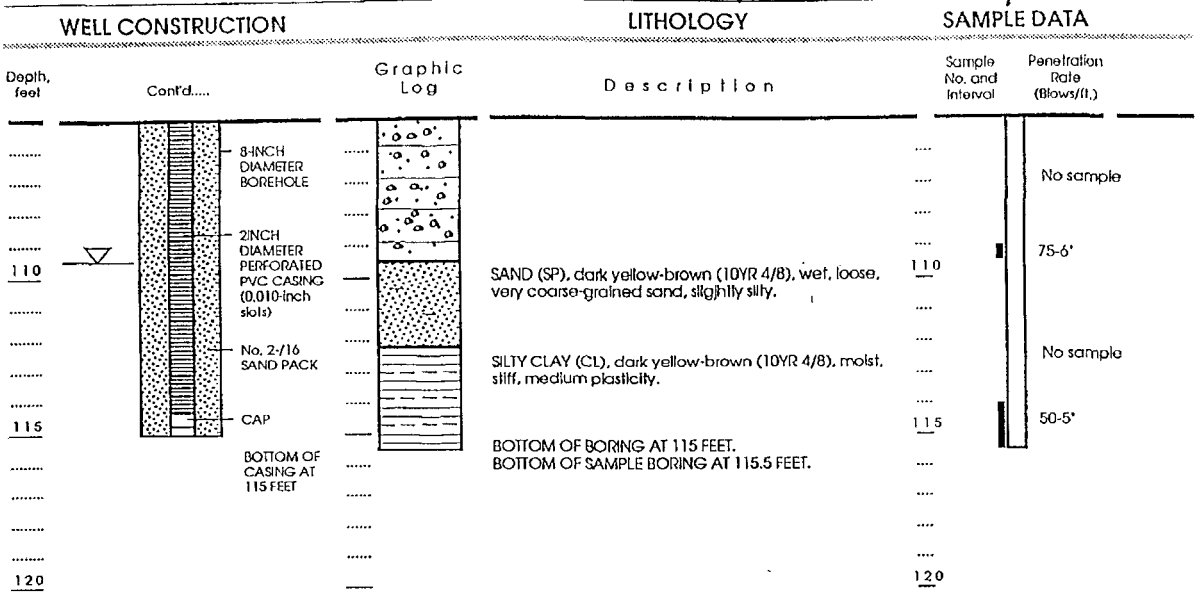
ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

JDC27JUL92MP/jm

405261 3S/1E-29G1



EXPLANATION

- Clay
- Silt
- Sand
- Gravel

Date boring drilled: July 13-16, 1992
Date water level measured:
Sampling method: 5-inch Core Barrel
LF Geologist: Kyle Kirchner

- Modified California Sampler
- Drive sample
- Ground-water level

Approved by:

Figure : WELL CONSTRUCTION AND LITHOLOGY FOR WELL MW-8 (page 4 of 4)

Project No. 1951.30

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405265 3S/1E-29G

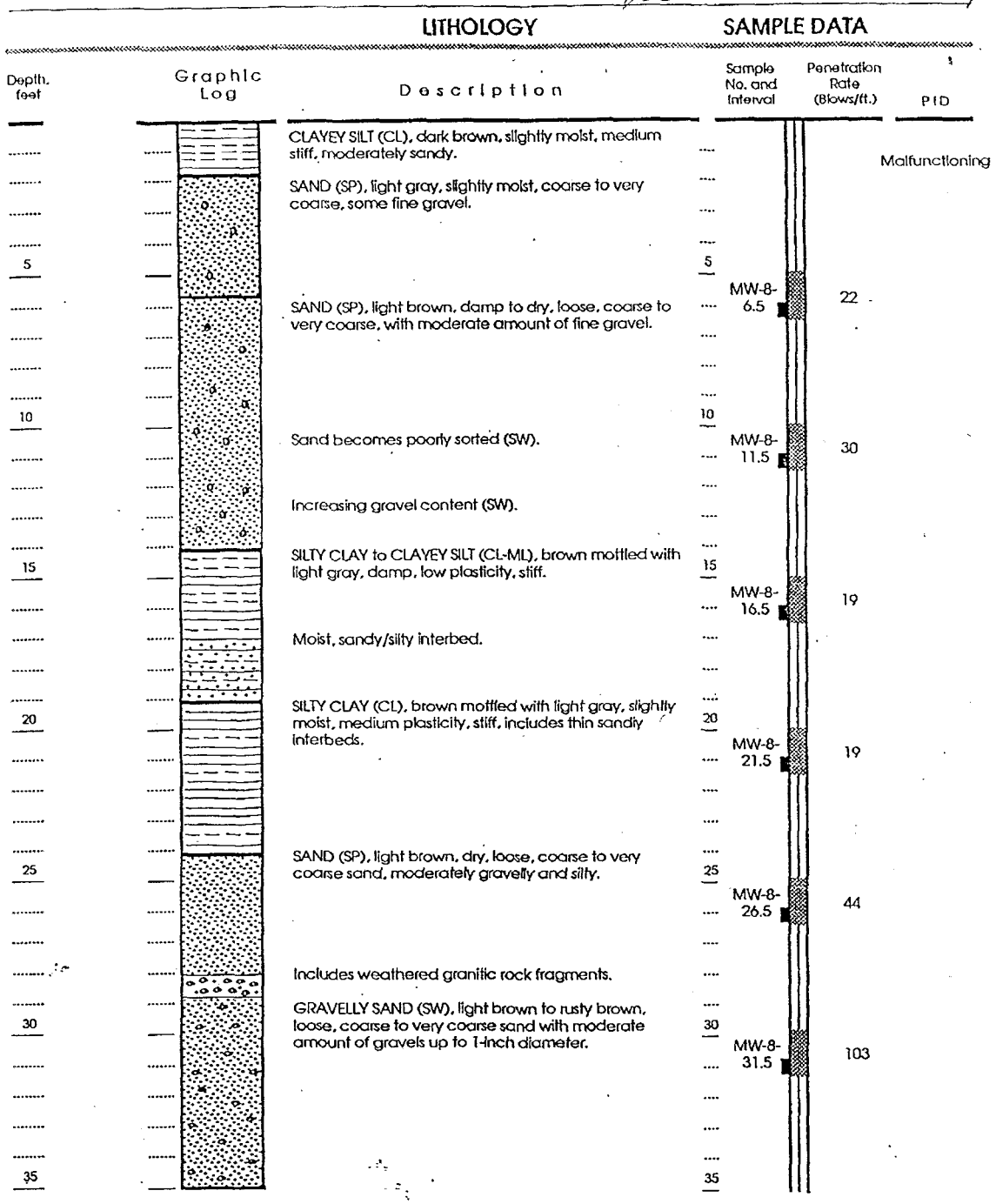

Figure 10a : LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SBMW-8 (page 1 of 3)

Project No. 1951.28

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REG10JUN92em

405265 35/1E-29G

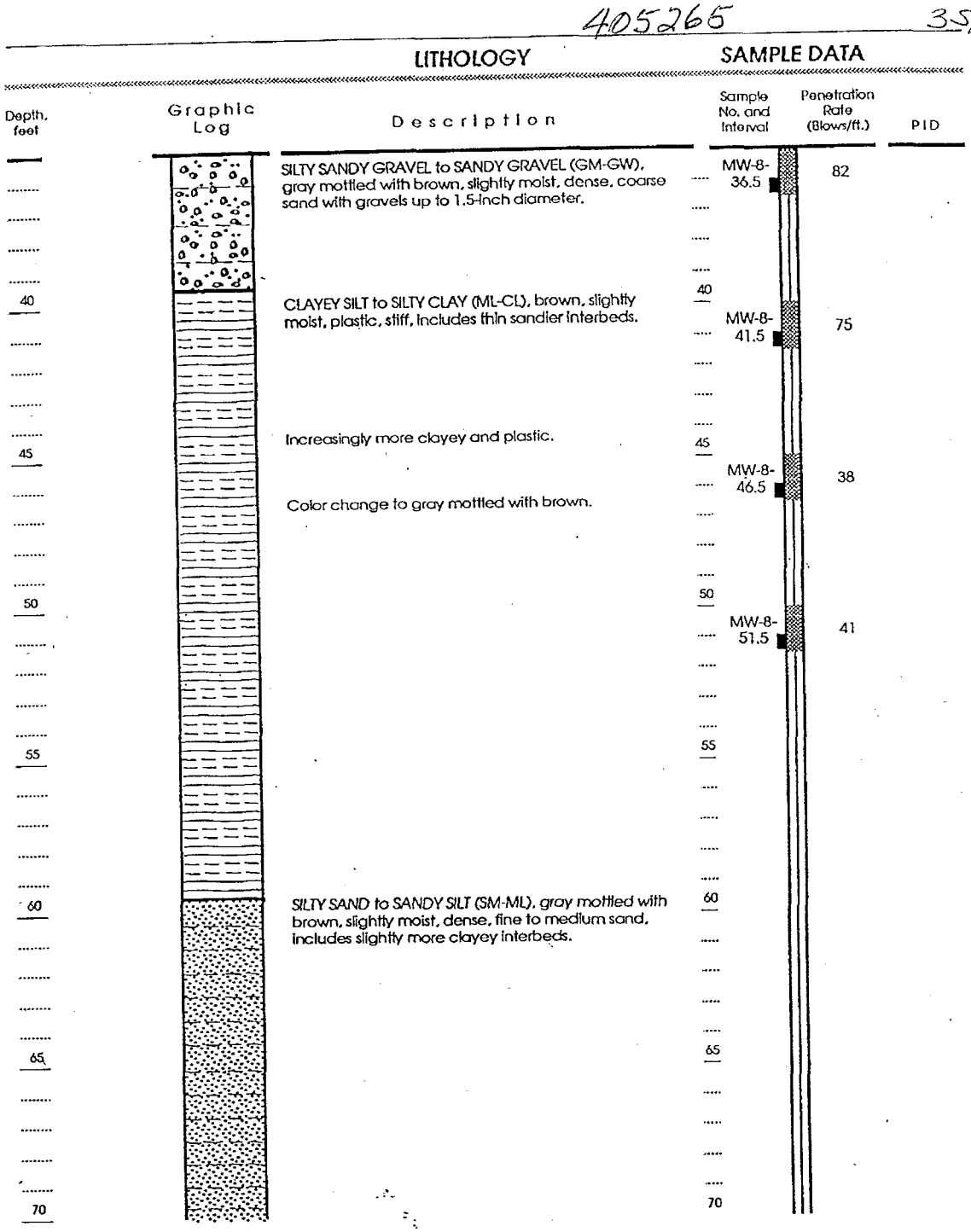

Figure 10b : LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SBMW-8 (page 2 of 3)

405265 35/1E-29G

Depth, feet	Graphic Log	Description	Sample No. and Interval	Penetration Rate (Blows/ft.)	PID
75		More dense, minor gravel.	75		
80		BOTTOM OF BORING AT 75 FEET.	80		

LITHOLOGY SAMPLE DATA

EXPLANATION

- Clay
- Silt
- Sand
- Gravel

Permit Number: 92046
Date boring drilled: May 8, 1992
Hammer weight: 140 lbs.
LF Geologist: Ron E. Goloubow

- Continuous Core Sampler
- Modified California Sampler
- Sample retained for analysis

Approved by: RG #4605

Figure 10c : LITHOLOGY AND SAMPLE DATE FOR SOIL BORING SBMW-8 (page 3 of 3)

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(WELL LOGS)

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3S/1E 29G13 405266

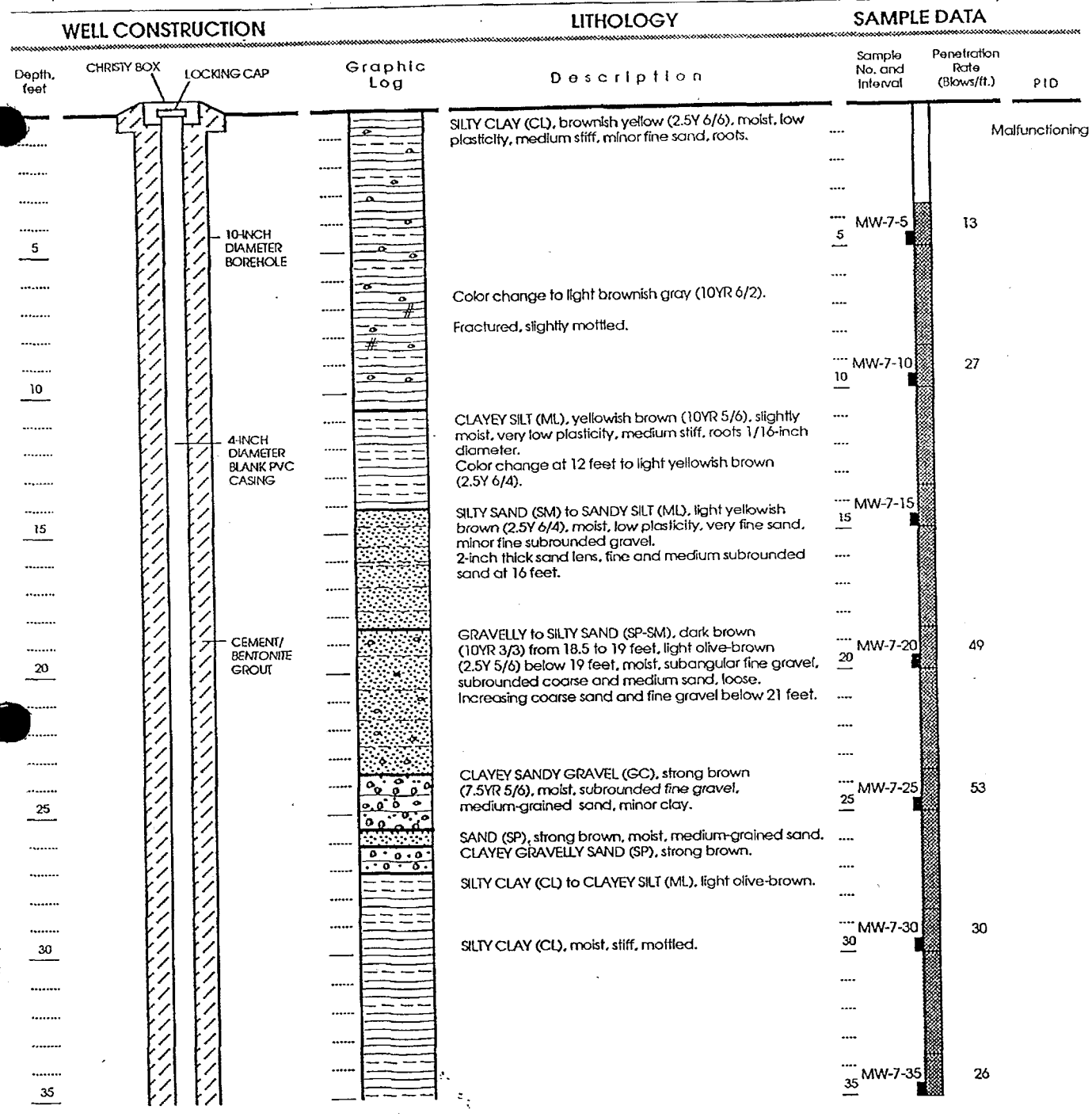

Figure 9a : WELL CONSTRUCTION AND LITHOLOGY FOR WELL MW-7 (page 1 of 2)

Project No. 1951.28

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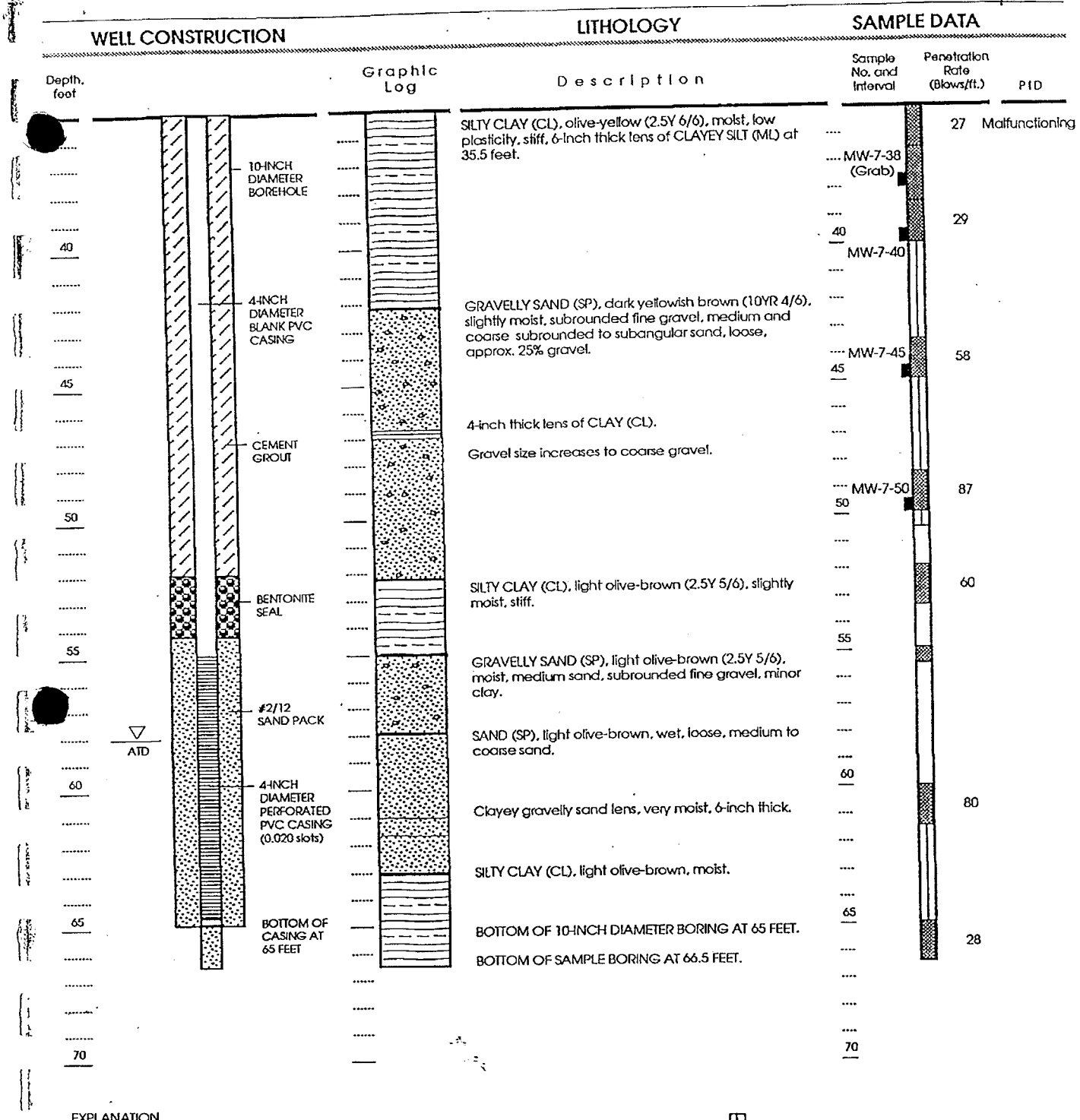
GTM10JUN92cm

3S/1E 29G13 405266



Approved by: RG #4605

Figure 9b : WELL CONSTRUCTION AND LITHOLOGY FOR WELL MW-7 (page 2 of 2)

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GTM 10JUN92cm

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405267 3S/1E-29G

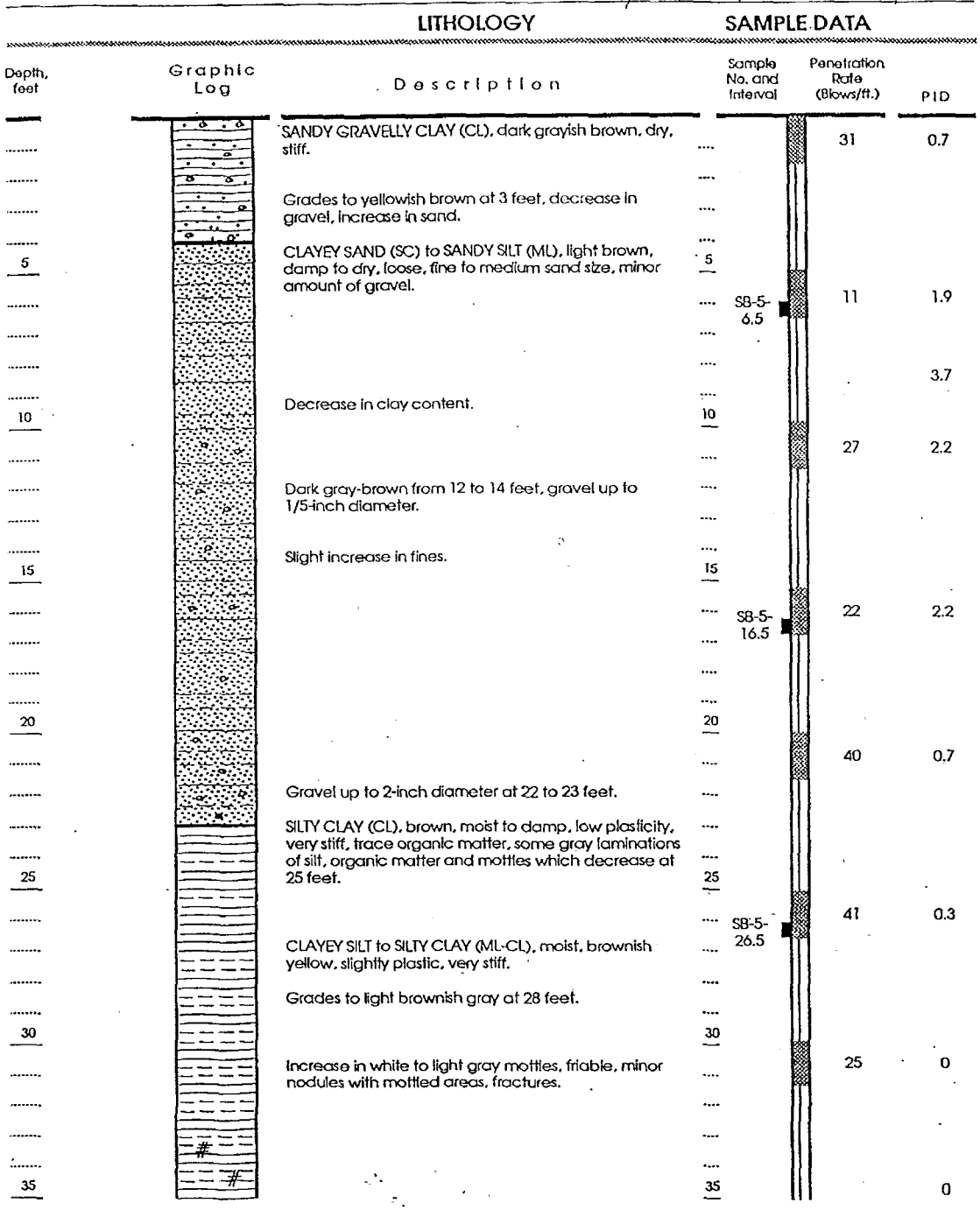

Figure 5a : LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-5 (page 1 of 2)

Project No. 1951.28

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REG31MAY92am

405267 3S/1E-29G

Depth, feet	Graphic Log	Description	Sample No. and Interval	Penetration Rate (Blows/ft.)	PID
		LITHOLOGY		**SAMPLE DATA**	
		Grades to light brownish gray, decrease in white mottles, organic matter at 36 feet, very dark gray with mottles at 36 feet. Medium stiff at 38 feet, grades to light gray with increasing silt content.	SB-5-36.5	25	0
40		SILTY SAND (SM), yellowish brown, loose to damp, trace gravel at 39 feet.			
		SILTY SAND, trace gravel (SM), yellowish brown, loose to damp.		22	0
45		Increase in fine gravel at 45 feet.	SB-5-46.5	42	0
50		Gravel up to 2-inch diameter at 47 feet, some black stains. Increase in fine sand and decrease in gravel at 48 feet.		91	0
		BOTTOM OF BORING AT 51.5 FEET.			
55					

EXPLANATION

- Clay
- Silt
- Sand
- Gravel

Permit Number: 92046
Date boring drilled: May 12, 1992
Hammer weight: 140 lbs.
LF Geologist: Ron E. Goloubow

- Continuous Core Sampler
- Modified California Sampler
- Sample retained for analysis

Approved by: RG #4605

Figure 5b : LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-5 (page 2 of 2)

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405268 35/1E-29J

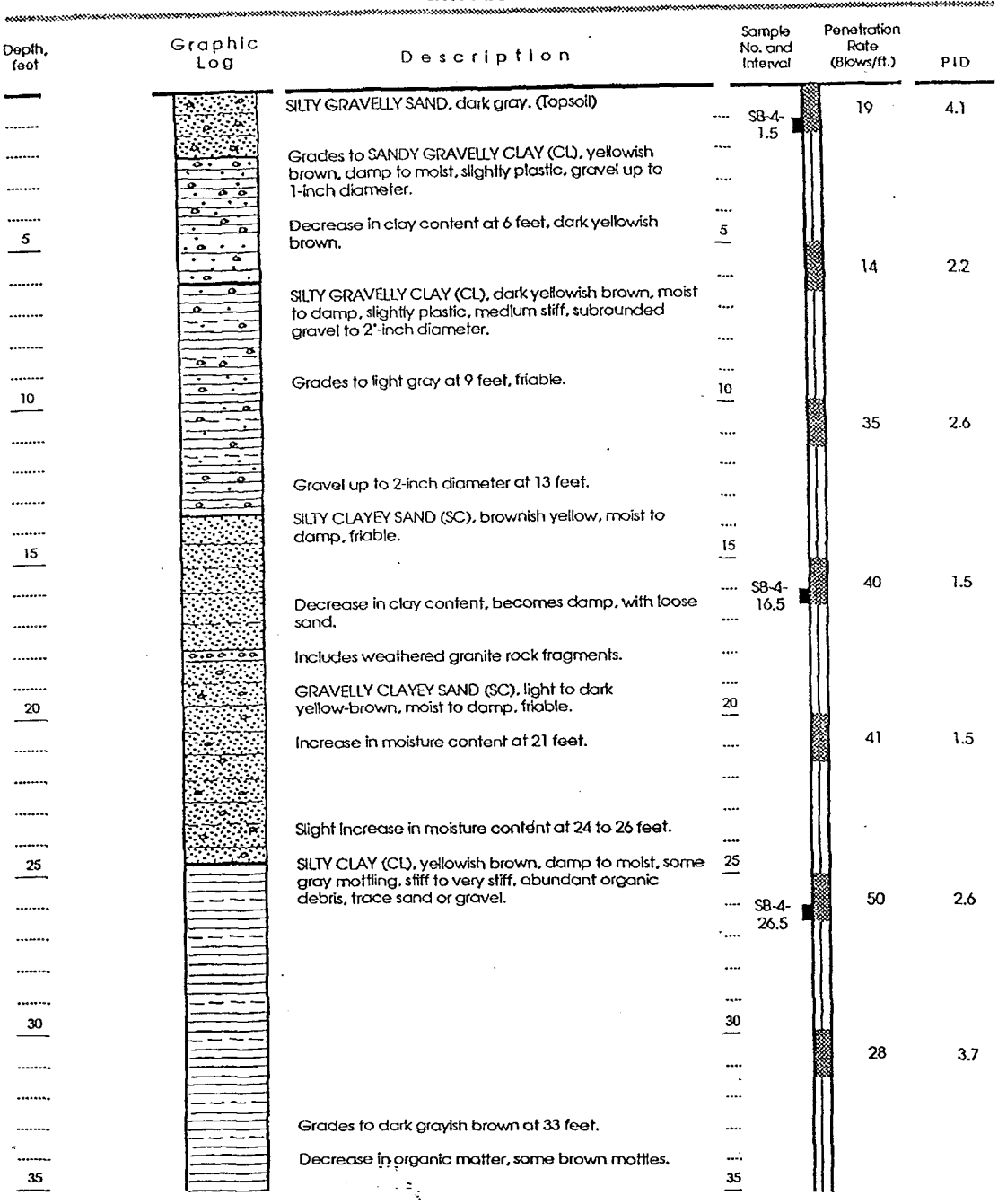

Figure 4a : LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-4 (page 1 of 2)

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REG10JUN92em

405268 3S/1E-29G

LITHOLOGY			SAMPLE DATA		
Depth, feet	Graphic Log	Description	Sample No. and Interval	Penetration Rate (Blows/ft.)	PID
		Grades to light gray with abundant white/gray and pale red mottles.	SB-4-36.5	43	6.3
40		Grades to light olive-brown at 41 feet.		36	6.3
		Abundant plant debris at 43 feet.			
45		Decrease in mottling and plant debris. Slight increase in fine sand.	SB-4-46.5	26	6.5
		SILTY SAND to SANDY SILT (SM-ML), yellowish brown, damp, loose.			
50				32	3.7
		BOTTOM OF BORING AT 51.5 FEET.			
55					

EXPLANATION

- Clay
- Silt
- Sand
- Gravel

Permit Number: 92046
Date boring drilled: May 12, 1992
Hammer weight: 140 lbs.
LF Geologist: Ron E. Goloubow

- Continuous Core Sampler
- Modified California Sampler
- Sample retained for analysis

Approved by: [signature] RG # 4605

Figure 4b : LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-4 (page 2 of 2)

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405269 3S/1E-29G

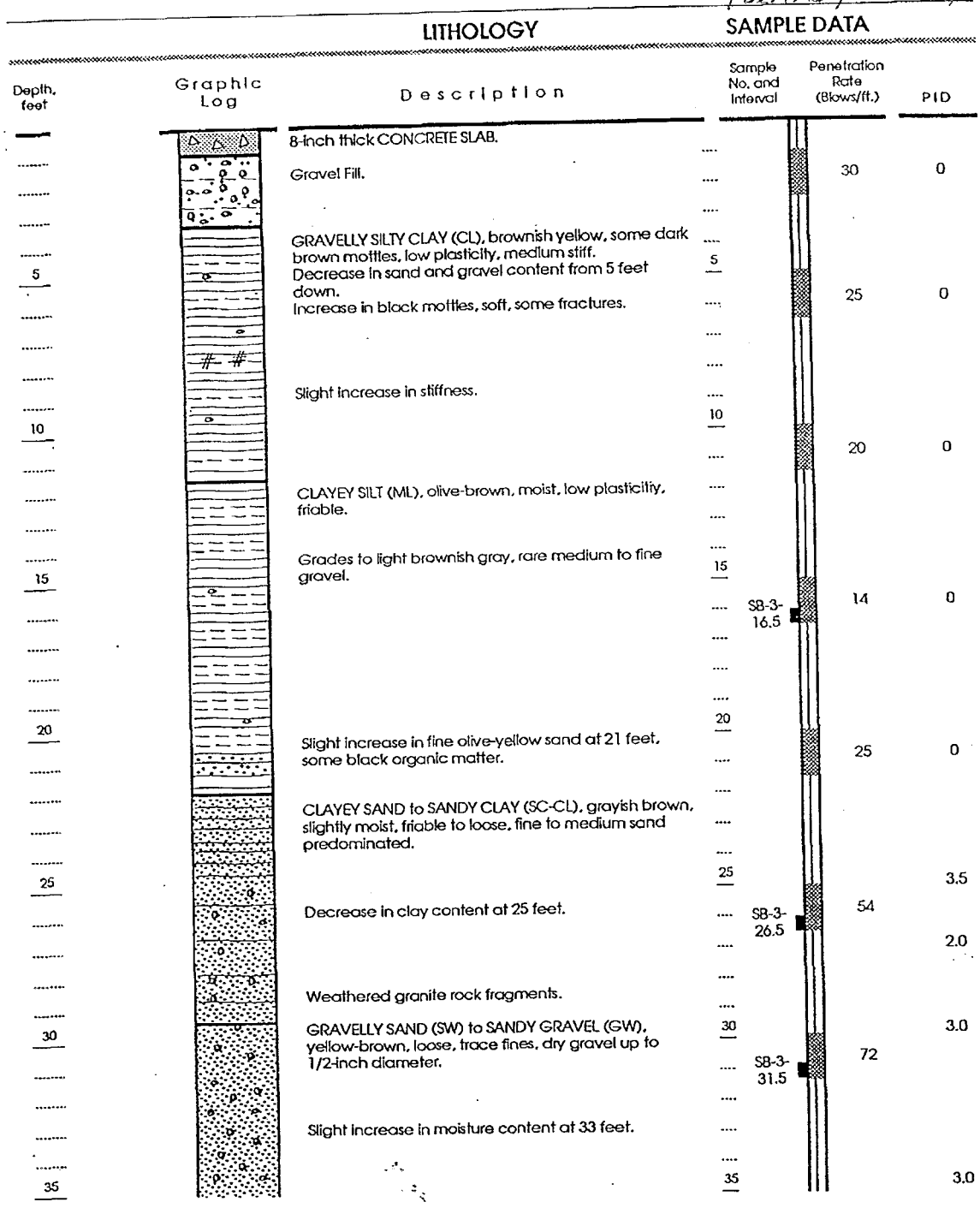

Figure 3a : LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-3 (page 1 of 2)

Project No. 1951.28

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REG10JUN92cm

405269 3S/1E-29G

Depth, feet	Graphic Log	Description	Sample No. and Interval	Penetration Rate (Blows/ft.)	PID
		GRAVELLY SAND (SP) to SANDY GRAVEL (GP), dark brown to rust color, gravel up to 1.5-inch diameter.		84	
		Slight increase in moisture content at 37.5 feet. SILTY CLAY to CLAYEY SILT (CL-ML), dark brown, slightly moist, very stiff, trace sand from 42 to 44 feet, minor black mottles.			
40			40		0
				36	
		Grades to light gray with light brown, slightly moist.			
45			45		0
			SB-3-46.5	32	
		SILTY GRAVELLY SAND (SP), orange-brown, moist, loose, trace gravel up to 1.5-inch diameter.	50		
50				62	0
		BOTTOM OF BORING AT 51.5 FEET.			
55			55		

EXPLANATION

- Clay
- Silt
- Sand
- Gravel

Permit Number: 92046
Date boring drilled: May 11, 1992
Hammer weight: 140 lbs.
LF Geologist: Ron E. Goloubow

- Continuous Core Sampler
- Modified California Sampler
- Sample retained for analysis

Approved by: RG # 4605

Figure 3b : LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-3 (page 2 of 2)

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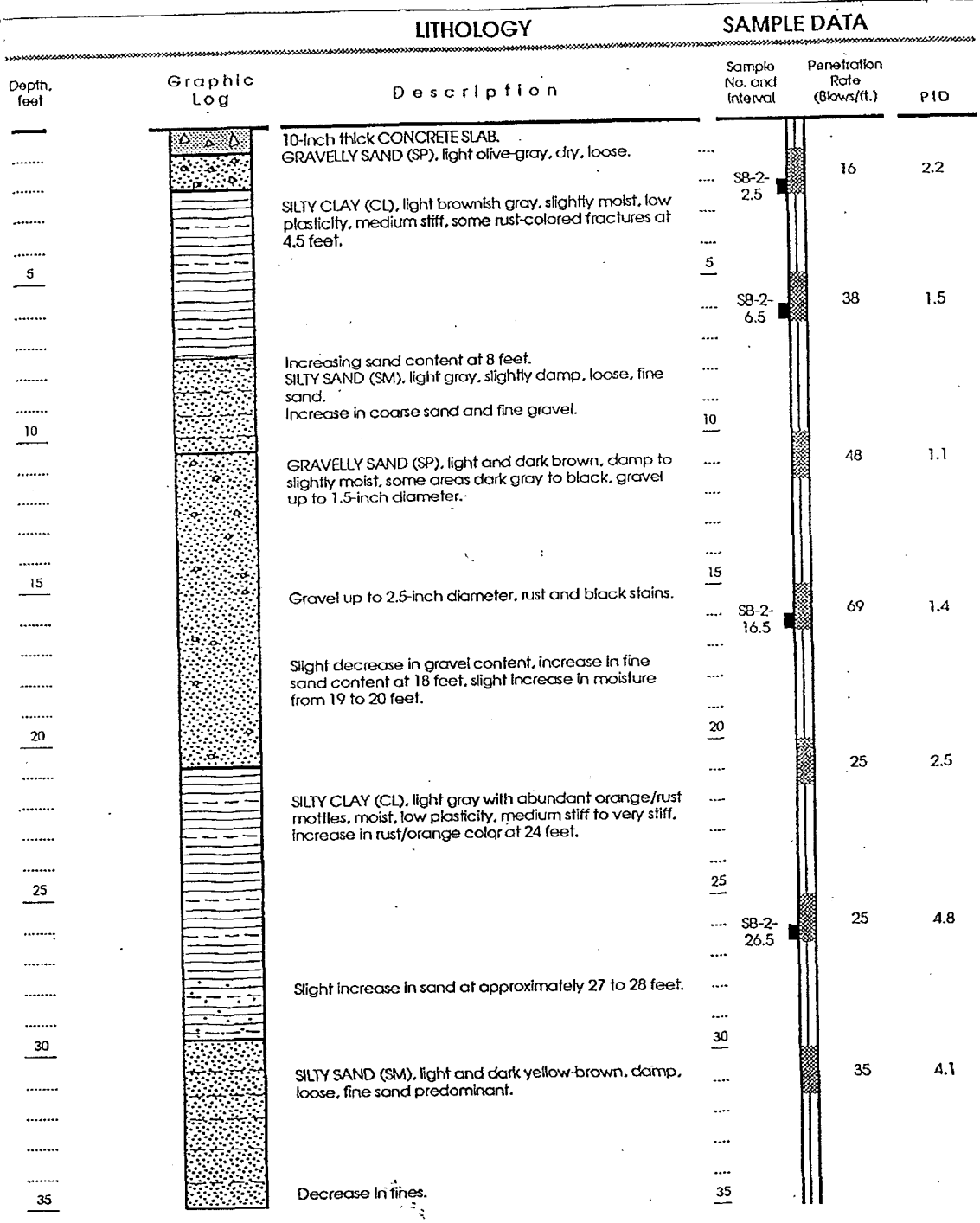

Figure 2a : LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-2 (page 1 of 2)

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408081 3S/1E-29G

LITHOLOGY			SAMPLE DATA		
Depth, feet	Graphic Log	Description	Sample No. and Interval	Penetration Rate (Blows/ft.)	PID
		GRAVELLY SILTY SAND (SP), orange-brown, loose to medium dense, gravel up to 1.5-inch diameter, minor clay.	SB-2-36.5	84	5.2
40		Gravel up to 2.5-inch diameter, weathered granite.		88	3.3
45		SILTY CLAY (CL), light and dark yellowish brown, slightly damp, low plasticity, very stiff, trace sand interbeds.	SB-2-46.5	50	0.7
50		Increase in silt content, less stiff. Some gray mottling.			
		Slight increase in moisture and plasticity at 51 to 52 feet, soft.		46	0.5
55		Very stiff at 53 to 60 feet. Slight increase in fine sand content at 54 to 56 feet.			
60		Yellow-brown to brown with gray mottling, damp to slightly moist, moderate plasticity, stiff, includes thin sandy interbeds.	SB-2-60		
65		BOTTOM OF BORING AT 61.5 FEET.			
70					

EXPLANATION

- Clay
- Silt
- Sand
- Gravel

Permit Number: 92046
Date boring drilled: May 11 & 13, 1992
Hammer weight: 140 lbs.
LF Geologist: Ron E. Goloubow

- Continuous Core Sampler
- Modified California Sampler
- Sample retained for analysis

Approved by: RG # 4605

Figure 2b : LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-2 (page 2 of 2)

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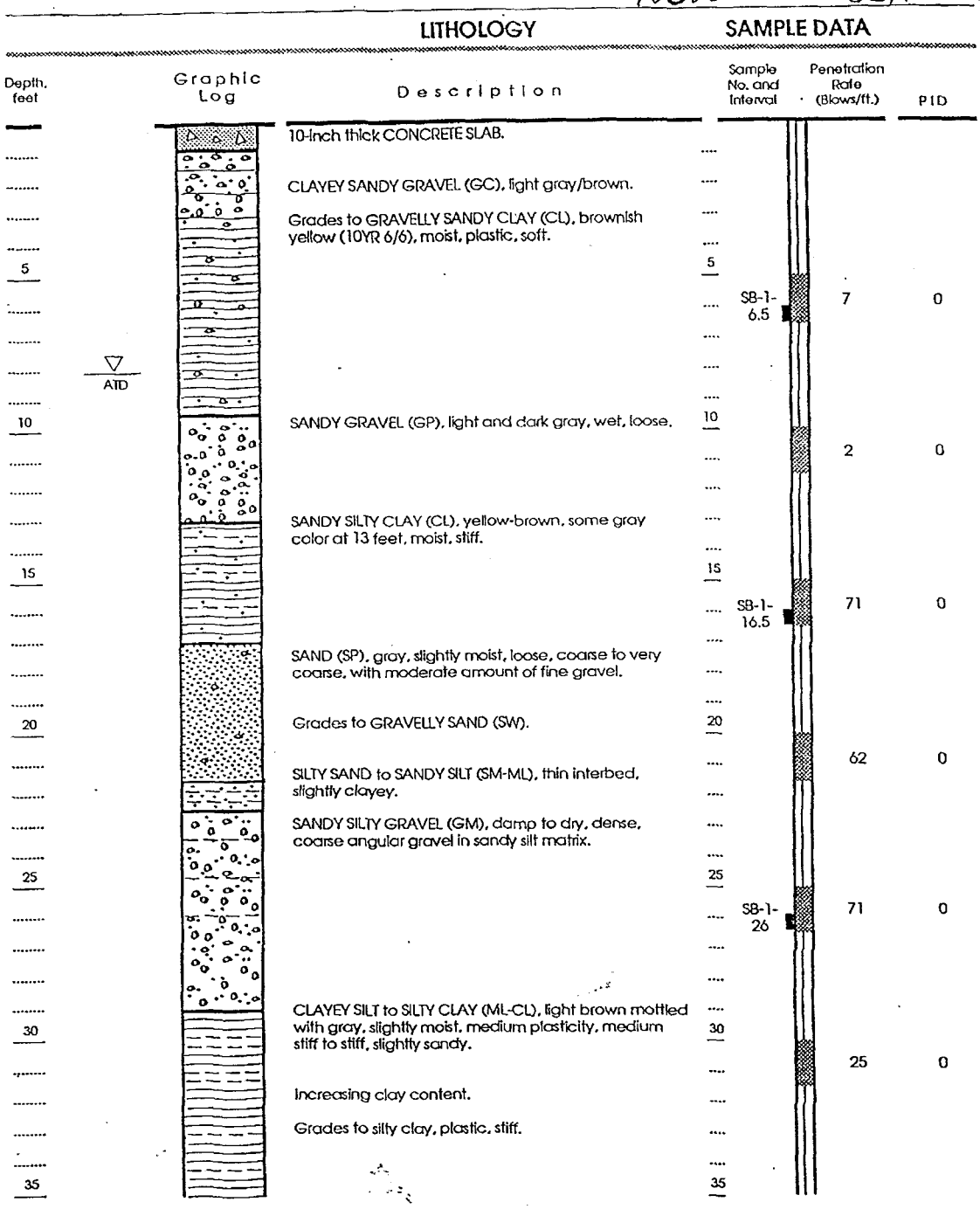

Figure 1a : LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-1 (page 1 of 2)

408082

3S/1E-29G

Depth, feet	Graphic Log	Description	Sample No. and Interval	Penetration Rate (Blows/ft.)	PID
			SB-1-36	40	0
		SANDY GRAVEL (GW), brown, dry, very dense, gravel up to 1-inch diameter, angular to subangular, moderately silty.			
40				81	0
		Less gravelly, more sandy interbeds.	SB-1-46	80	0
45					
50				74	0
		BOTTOM OF BORING AT 51.5 FEET.			
55					
60					
65					

LITHOLOGY

SAMPLE DATA

EXPLANATION

- Clay
- Silt
- Sand
- Gravel

Permit Number: 92046

Date boring drilled: May 11, 1992

Hammer weight: 140 lbs.

LF Geologist: Ron E. Goloubow

- Continuous Core Sampler
- Modified California Sampler
- Sample retained for analysis
- ATD — Perched water level measured at time of drilling (8-inch diameter conductor casing temporarily installed during drilling)

Approved by: RG #4605

Figure 1b : LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-1 (page 2 of 2)

Project No. 1951.28

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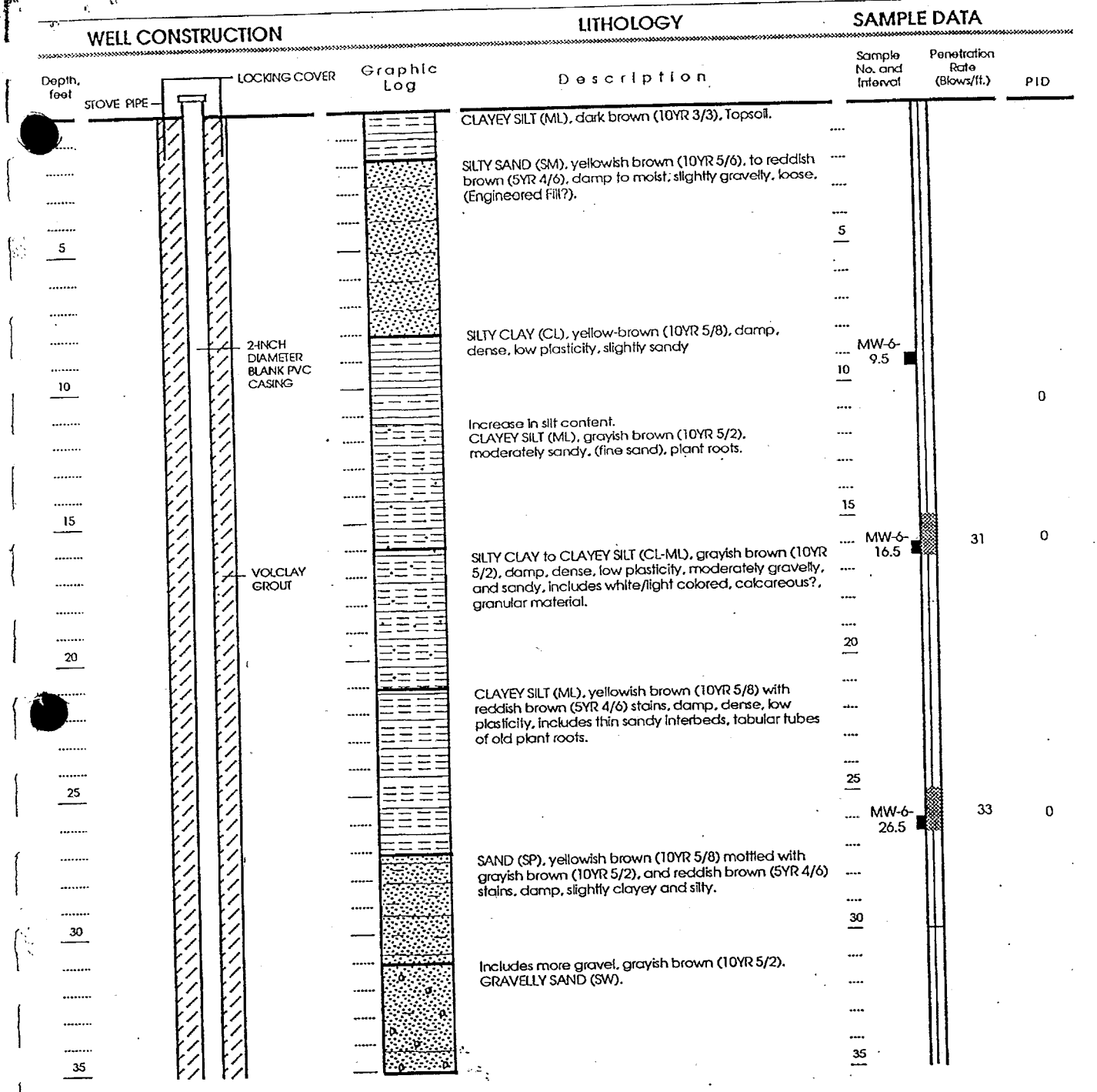

Figure 8a : WELL CONSTRUCTION AND LITHOLOGY FOR WELL MW-6 (Sheet 1 of 2)

Project No. 1951

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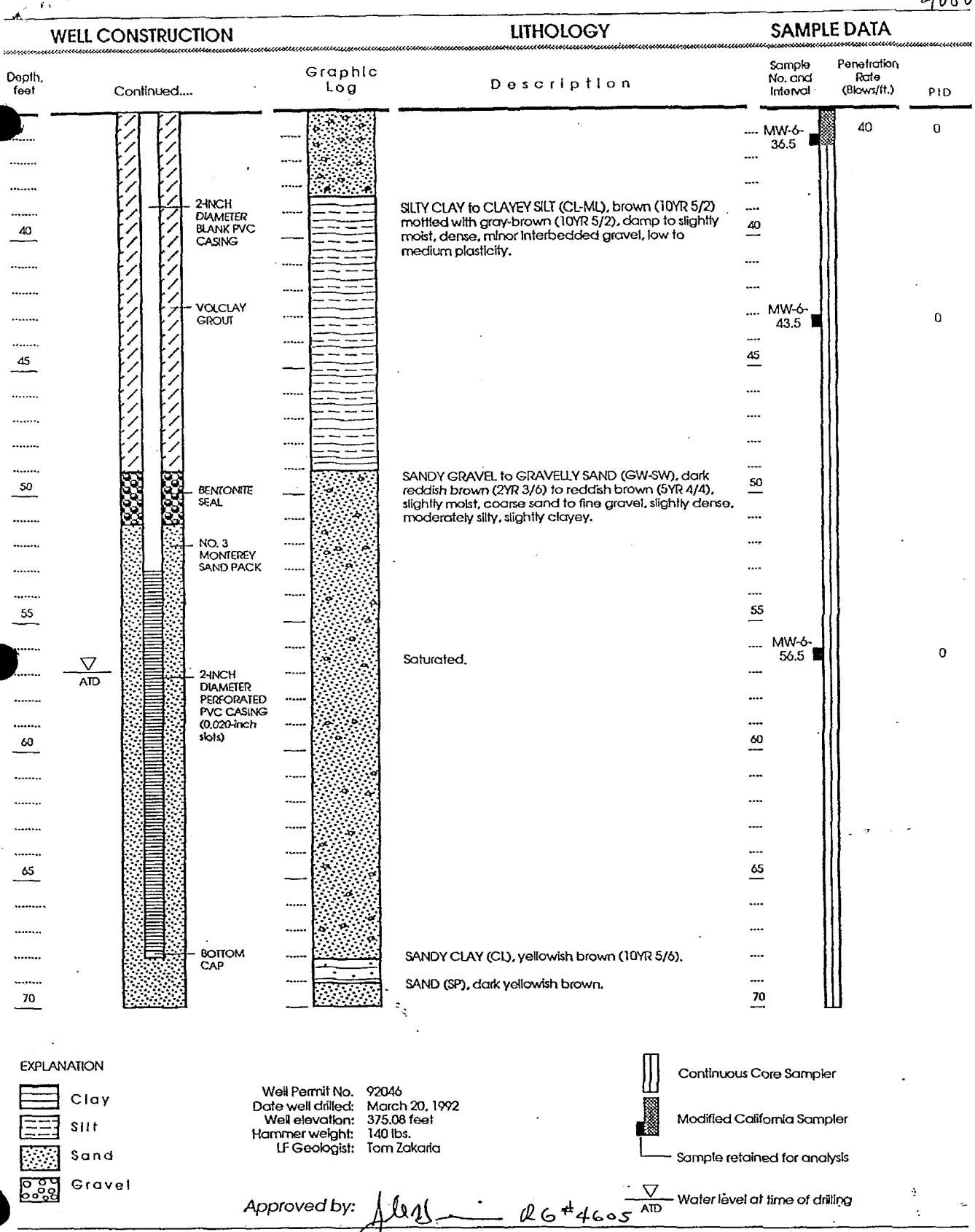

EXPLANATION

- Clay
- Silt
- Sand
- Gravel

Well Permit No. 92046
Date well drilled: March 20, 1992
Well elevation: 375.08 feet
Hammer weight: 140 lbs.
LF Geologist: Tom Zakaria

- Continuous Core Sampler
- Modified California Sampler
- Sample retained for analysis
- ATD — Water level at time of drilling

Approved by: RG #4605

Figure 8b : WELL CONSTRUCTION AND LITHOLOGY FOR WELL MW-6 (Sheet 2 of 2)

Project No. 1951

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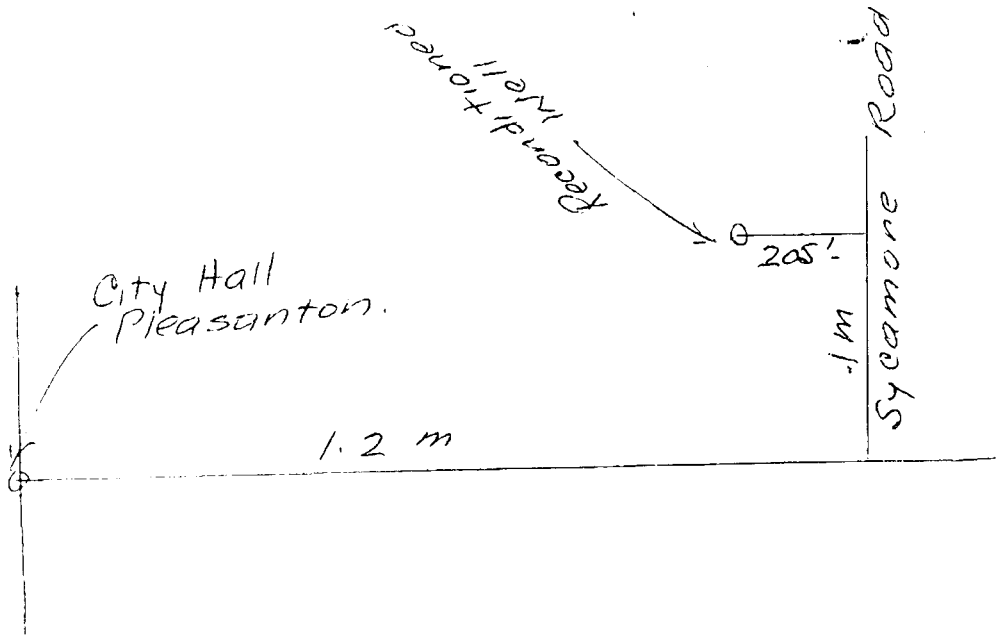

C. Scott Well
Sycamore Road
Pleasanton.

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61654

3S/1E-29A2

LOCATION: CHECKED IN THE FIELD BY W.R. HANSEN

QUAD SHEET LOCATION MEASUREMENTS FROM DUBLIN QUAD.

WELL 3300' DUE SOUTH OF BERNAL AVE,
850' SE OF SPRR
30' WEST OF PLEASANTON SUNOL RD.
7950' ESE FROM INTERSECTION OF BERNAL AVE. & FOOTHILL RD.

IN FRONT OF VICTOR NURSERY IN THE OPEN

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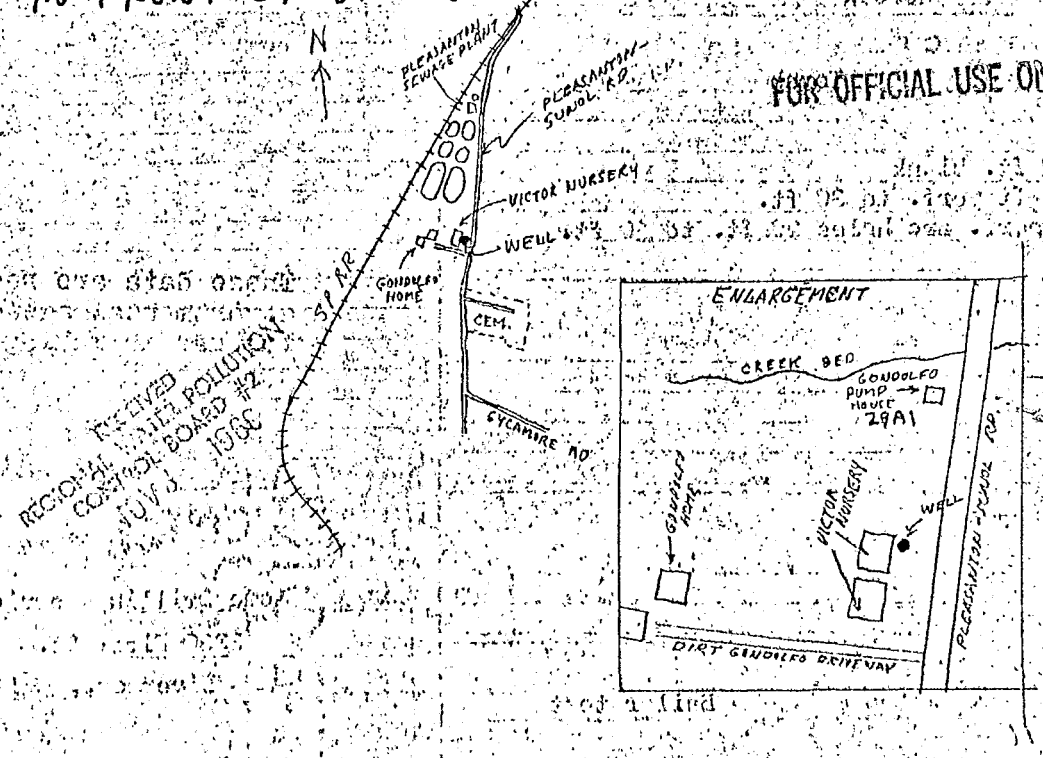

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WELL COMPLETION REPORT
(WELL LOGS)

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61654

3S/1E-29A2

LOCATION: CHECKED IN THE FIELD BY W.R. HANSEN

QUAD SHEET LOCATION MEASUREMENTS FROM DUBLIN QUAD.

WELL 3300' DUE SOUTH OF BERNAL AVE.,
850' SE OF SPRR
30' WEST OF PLEASANTON SUNOL RD.
7950' ESE FROM INTERSECTION OF BERNAL AVE. & FOOTHILL RD.

IN FRONT OF VICTOR NURSERY IN THE OPEN

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