

W I D

Wilkinson Interiors & Development
2664 Maplewood Lane
Santa Clara, Calif. 95051

June 30, 1993

SUBJECT:

1. CONTAMINATED SOIL DISPOSAL
2. QUARTERLY MONITOR WELL REPORT
1025 Eastshore Hwy, Albany, Ca.
STID # 1322

Ms. Juliet Shinn
Senior Hazardwous Materials Specialist
#80 Swan Way, Room #300
Oakland, California, 94621

Dear Ms. Shinn:

Enclosed please find:

1. Enclosed please find CERTIFICATE OF REMEDIATION of the Hydrocarbon contaminated soil from the referenced site.
2. Enclosed please find the SECOND Quarterly Ground Water Monitoring Report which is for June, 1993. (ND for all tests performed) .

If you should have questions or comments, please do contact us at your convenience.

Sincerely,


Gerald G. Wilkinson

COPY: MR. TAD TASSONE
Clementina, LTD.



ENVIRONMENTAL SERVICES, INC.

1540 Parkmoor Ave., San Jose CA 95128-2406, Mail: P.O. Box 5940 San Jose CA 95150, (408) 288-4188 Fax: (408) 288-4192

CERTIFICATE OF REMEDIATION
Hydrocarbon Contaminated Soils

Date of Certificate : June 8, 1993
Generator's Name : Wilkinson Equipment Corporation
Agent for Generator : Clementina Ltd./Wilkinson Int. Dev.
Project Name : Clementina Equipment Rental Yard
Site Address : 1025 Eastshore Highway, Albany, CA
Actual Tonnage : 316.46
R&G Job Number : 3159

This is to certify that the above material has been remediated to a level of (below detection limit) PPM of total hydrocarbons. This work has been performed in accordance with procedures approved by the California Department of Health Services.

The above material will be recycled into one or more of the following products: asphalt concrete, road base or engineered fill material.

A copy of this statement and all other supporting documents will be available for inspection by the Department of Health Services (or other governmental agency). This inspection can take place during normal business hours at the following location:

R&G ENVIRONMENTAL SERVICES, INC.
1540 Parkmoor Avenue, Suite A
San Jose, CA 95128-2406
#C-083

R&G ENVIRONMENTAL SERVICES, INC.

By : 
Celia M. Keller

GeoPlexus, Inc.

Health & Safety Training • Geo/Environmental Personnel • Engineering Geology Consultants • Environmental Management Consultants

June 17, 1993

Mr. Gerry Wilkinson
Mr. Tad Tassone
Wilkinson Equipment Corporation
P. O. Box 7680
San Francisco, CA 94120

Subject: Quarterly Ground Water Monitoring Report
1025 Eastshore Highway, Albany, CA

Dear Messrs. Wilkinson and Tassone:

As requested and authorized, the attached June, 1993 Quarterly Ground Water Monitoring Report has been prepared to document the monitoring well sampling efforts performed at the subject site. The report presents the recorded ground water elevations, the ground water sampling protocols, and the results of the analytical testing performed on ground water samples collected on June 9, 1993.

In summary, the analytical testing did not detect Total Petroleum Hydrocarbons as gasoline, Total Petroleum Hydrocarbons as diesel, Volatile Aromatic Compounds (Benzene, Toluene, Ethyl Benzene, or Total Xylenes), or Oil & Grease in the ground water samples.

Copies of this report should be forwarded to:


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

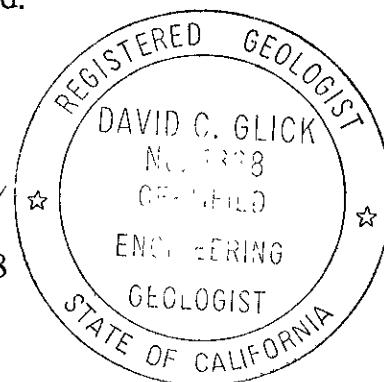
Mr. Greg Zentner
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Room 500
Oakland, CA 94612

It has been a pleasure to be of service to you on this project. Questions or comments regarding the attached report should be addressed to the undersigned.

Respectfully submitted,

GeoPlexus, Incorporated


David C. Glick, CEG 1338
Director, Geological and
Environmental Services



JUNE, 1993 QUARTERLY
GROUND WATER MONITORING REPORT
for
WILKINSON EQUIPMENT CORPORATION
1025 EASTSHORE HIGHWAY
ALBANY, CA

Prepared for:
Wilkinson Equipment Corporation
P. O. Box 7680
San Francisco, CA 94120

Project C92054

June 17, 1993

JUNE, 1993 QUARTERLY
GROUND WATER MONITORING REPORT
for
WILKINSON EQUIPMENT CORPORATION
1025 EASTSHORE HIGHWAY, ALBANY, CA

INTRODUCTION

The project site is located at 1025 Eastshore Highway in the City of Albany, in Alameda County, California as indicated on Figure 1. The site has been, and currently is, occupied by an equipment rental facility. Six underground storage tanks were removed from the site in October, 1992. The tanks included: (1) 8,000 gallon gasoline tank, (1) 4,000 gallon gasoline tank, (1) 8,000 gallon diesel tank, (1) 1,000 gallon waste oil tank, (1) 550 gallon motor oil tank, and (1) 550 gallon hydraulic oil tank and were located as indicated on Figure 2.

Soil samples obtained during the tank removal activities by Blain Tech Services, Inc. were submitted for analytical testing. The soil samples did not contain detectable concentrations of Total Petroleum Hydrocarbons as gasoline, Total Petroleum Hydrocarbons as diesel, Oil and Grease, Volatile Aromatic Compounds, or Volatile Organic Compounds. A ground water sample was also obtained from the tank excavation which contained 1,100 parts per billion (ppb) of Total Petroleum Hydrocarbons as gasoline, 170 ppb Total Petroleum Hydrocarbons as diesel, and 1,300 ppb Oil and Grease. The excavation was subsequently bacfilled with clean imported fill material and the excavated soil was hauled off-site for thermal destruction.

Based on information derived by Geo Plexus, Inc. during a Preliminary Site Characterization Investigation, it was determined that the direction of ground water flow in the immediate vicinity of the project site is in a westerly direction as indicated on Figure 3. One ground water monitoring well was installed in the reported/verified "down-gradient" direction within 5 feet of the excavation as indicated on Figure 4. Analytical testing of ground water samples obtained from the monitoring well did not detect Total Petroleum Hydrocarbons as gasoline, Total Petroleum Hydrocarbons as diesel, Volatile Aromatic Compounds (Benzene, Toluene, Ethyl Benzene, or Total Xylenes), or Oil & Grease.

MONITORING WELL SAMPLING

Free product measurements were obtained at the time of sample acquisition utilizing an acrylic bailer lowered into the wells to obtain a surface water sample. The bailer was used to collect a water sample to observe the presence of hydrocarbon odors, visible sheen, or free product. Free product, visible sheen, or odors were not observed in the monitoring well saample.

Prior to sampling, a minimum of four well volumes were purged from the well through the use of a teflon bailer. Electrical conductivity, temperature, and pH of the ground water were recorded throughout the purging process. The purging activities continued until the electrical conductivity, temperature, and pH of the discharged water stabilized. Water samples for analytical testing were obtained through the use of the teflon bailer. The water developed from the monitoring wells was contained on-site pending receipt of the laboratory test results.

The water samples were collected in sterilized glass vials with Teflon lined screw caps. The water samples collected for Volatile Organics were collected in 40 mil. vials acidified with HCL by the analytical laboratory. The water samples collected for Total Petroleum Hydrocarbons as diesel and Oil & Grease were collected in sterilized 1-liter amber jars with Teflon lined screw caps. The samples were immediately sealed in the vials and properly labeled including: the date, time, sample location, project number, and indication of any preservatives added to the sample. A travel blank (identified as MW-A) was obtained from the analytical testing laboratory, transported to the field with the sample vials, and was submitted along with other samples for analysis. The samples were placed on ice immediately for transport to the laboratory under chain-of-custody documentation.

ANALYTICAL TESTING

The ground water samples were submitted to and tested by McCampbell Analytical, Inc., a State of California, Department of Health Services certified testing laboratory. Analytical testing was scheduled and performed in accordance with the State of California, Regional Water Quality Control Board and Alameda County Guidelines. The analytical test data, along with the Chain-of-Custody Forms are presented in Appendix A.

The water samples were tested for Total Petroleum Hydrocarbons as gasoline by Method GCFID 5030/8015, Total Petroleum Hydrocarbons as diesel by Method GCFID 3550/8015, Oil and Grease by EPA Method 5520, and Volatile Aromatics by EPA Method 8020 as indicated on the Chain-of-Custody Form.

SUMMARY OF FINDINGS

Ground water was observed/recorded at a depth of 6.1 feet below the ground surface.

The analytical testing did not detect Total Petroleum Hydrocarbons as gasoline, Total Petroleum Hydrocarbons as diesel, Oil & Grease, or Volatile Aromatic Compounds (Benzene, Toluene, Ethyl Benzene, or Xylenes) in the ground water sample obtained from Monitoring Well MW-1. Tables 1 and 2 summarize the current analytical test results along with the results of the previous analytical testing.

TABLE 1

SUMMARY OF GROUND WATER ANALYTICAL TEST DATA

<u>Date Sampled</u>	<u>Total Petroleum Hydrocarbons</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-Benzene</u>	<u>Total Xylenes</u>
3-04-93	ND	N.D.	N.D.	N.D.	N.D.
6-09-93	ND	N.D.	N.D.	N.D.	N.D.

Note: Total Petroleum Hydrocarbons reported as gasoline
N.D. indicates non-detectable concentrations

TABLE 2

SUMMARY OF GROUND WATER ANALYTICAL TEST DATA

<u>Date Sampled</u>	<u>Total Petroleum Hydrocarbons</u>	<u>Oil & Grease</u>
3-04-93	ND	ND
6-09-93	ND	ND

Note: Total Petroleum Hydrocarbons reported as diesel
N.D. indicates non-detectable concentrations

RECOMMENDATION

It is recommended that the ground water monitoring well at the site continue to be sampled on a quarterly basis to monitor the absence of the hydrocarbon products in the ground water to support site closure.

LIMITATIONS

We have only observed a small portion of the pertinent soil and ground water conditions present at the site. Subsurface conditions across the site have been extrapolated from information obtained from review of existing documents and from the field investigation. The conclusions made herein are based on the assumption that soil conditions do not deviate appreciably from those described in the reports and observed during the field investigation.

Geo Plexus, Incorporated provides consulting services in the fields of Geology and Engineering Geology performed in accordance with presently accepted professional practices. Professional judgments presented herein are based partly on information obtained from review of published documents, partly on evaluations of the technical information gathered, and partly on general experience in the fields of geology and engineering geology.

No attempt was made to verify the accuracy of the published information prepared by others used in preparation of this assessment report.

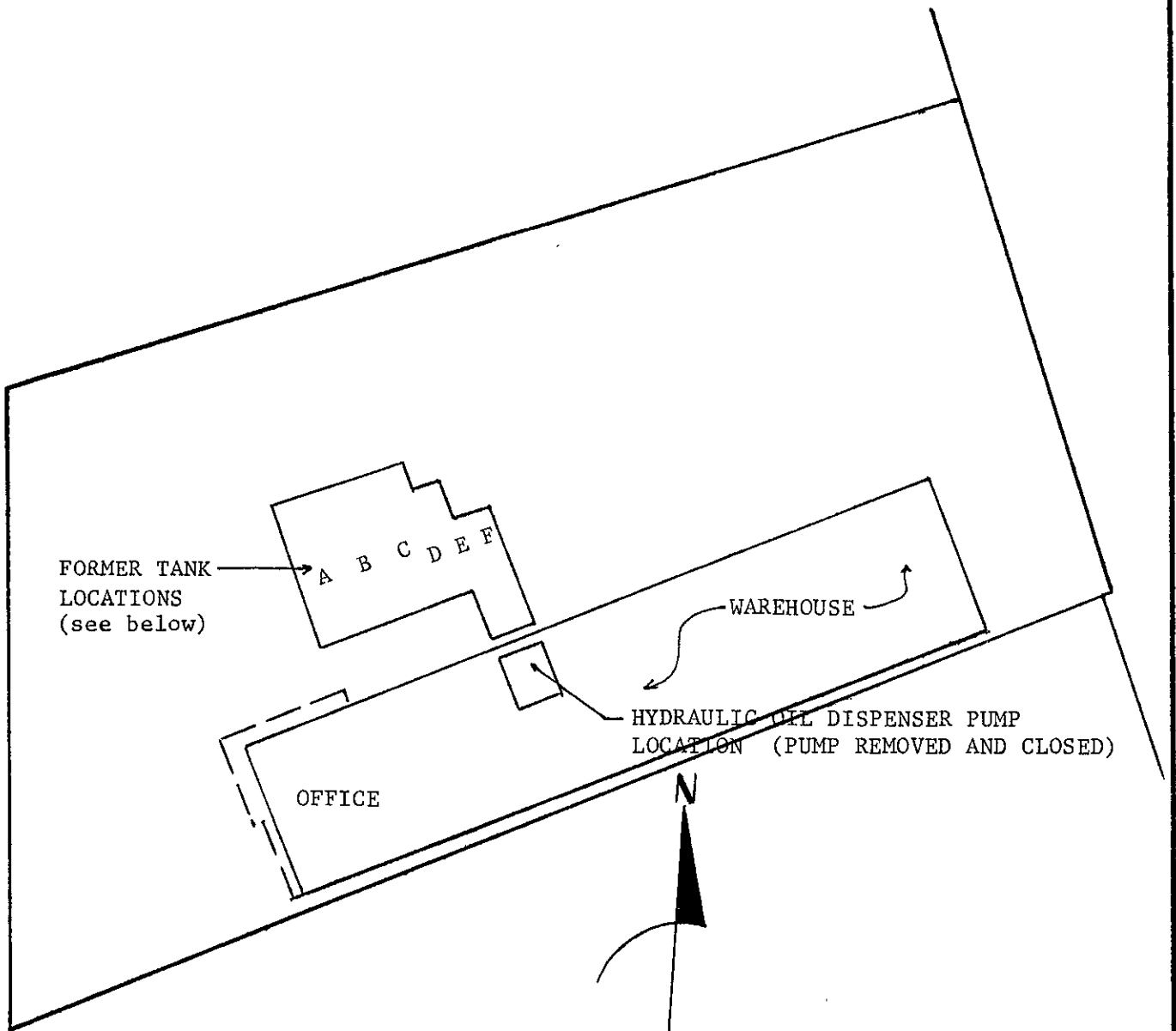
If you have questions regarding the findings, conclusions, or recommendations contained in this report, please contact us. We appreciate the opportunity to serve you.

Geo Plexus, Incorporated



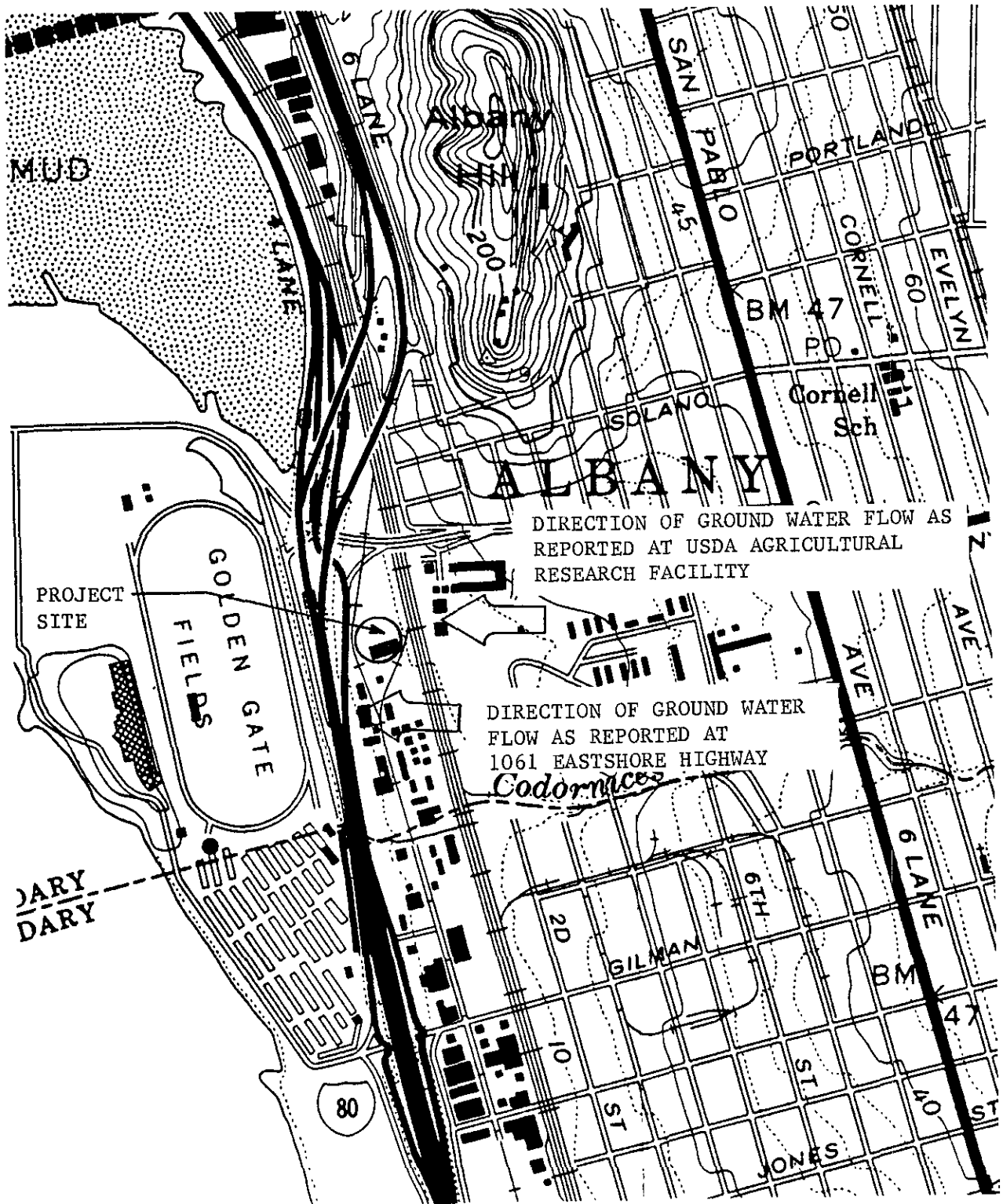
WILKINSON EQUIPMENT		
DATE 1/8/93	SCALE 1"=2000'	DRAWN BY dgc
VICINITY MAP		
		Figure 1

EASTSHORE HIGHWAY



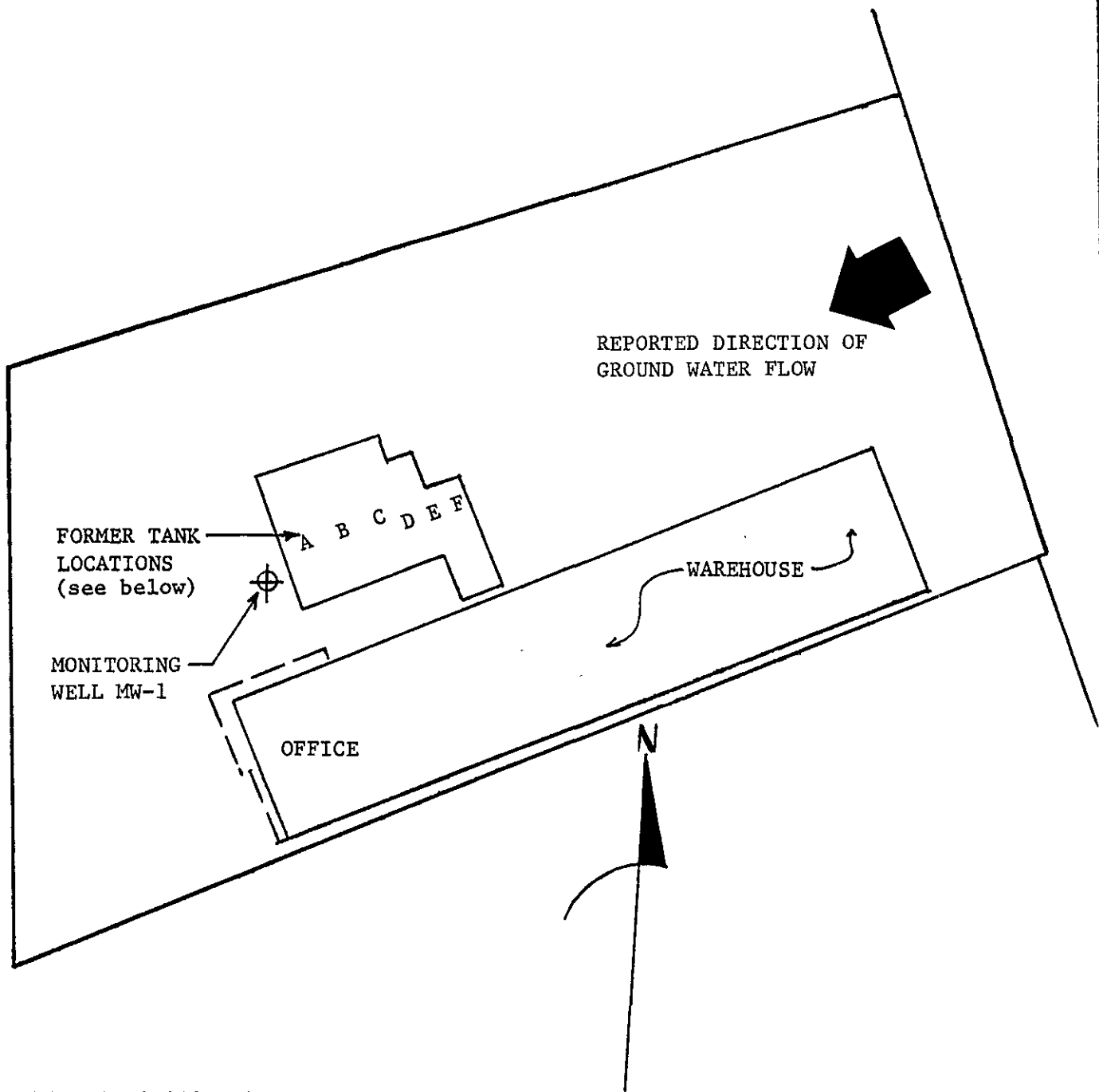
- TANK A 3,000 gal gasoline
- TANK B 3,000 gal diesel
- TANK C 4,000 gal gasoline
- TANK D 1,000 gal waste oil
- TANK E 550 gal new motor oil
- TANK F 550 gal hydraulic oil

WILKINSON EQUIPMENT		
DATE 1-10-93	SCALE 1"=50'	DRAWN BY dca/tf
SITE PLAN		
		Figure 2



WILKINSON EQUIPMENT		
DATE 1/8/93	SCALE na	DRAWN BY dcg
GROUND WATER DATA		
		Figure 3

EASTSHORE HIGHWAY



- TANK A 8,000 gal gasoline
- TANK B 8,000 gal diesel
- TANK C 4,000 gal gasoline
- TANK D 1,000 gal waste oil
- TANK E 550 gal new motor oil
- TANK F 550 gal hydraulic oil

WILKINSON EQUIPMENT		
DATE 1-10-93	SCALE 1"=50'	DRAWN BY dcb/tf
SITE PLAN		
		Figure 4

APPENDIX A
CHAIN-OF-CUSTODY FORMS
AND
ANALYTICAL TEST DATA

PROJECT NUMBER		PROJECT NAME				Number of Cntrs	Type of Containers	Type of Analysis					Condition of Samples	Initial
Send Report Attention of:		Report Due		Verbal Due				TPHG	TPHD	BTEX	Oil & Grease			
Sample Number	Date	Time	Comp	Grab	Station Location									
C93. 27		CLEMENTINA ALBANY												
DAVID GLICK		1 1		1 1										
MWA-WS1A,B	4/9/93	1200		1	MON Well A	2CA	ACIDIFIED 40 ml VDA	✓	✓				30772	
MWI-WS1A,B	↓	1315		1	MON Well 1	2CA	ACIDIFIED 40 ml VDA	✓	✓				30773	
MWI-WS2A,B,C		1315		1	MON Well 1	3CA	AMBER LTR	✓	✓				30774	
ICE/GOOD CONDITION ✓						PRESERVATIVE APPROPRIATE ✓								
Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time	Remarks: Purchase Order No.: 93-3033 STANDARD TURNAROUND								
Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time									
Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time									

COMPANY: Geo Plexus, Inc.
 ADDRESS: 1900 Wyatt Drive, Suite 1 Santa Clara, CA 95054
 PHONE: (408)987-0210 FAX: (408)988-0815

GEO Plexus, Inc. 1900 Wyatt Drive, #1 Santa Clara, CA 95054	Client Project ID: Clementina, Albany	Date Sampled: 06/09/93
		Date Received: 06/10/93
	Client Contact: David Glick	Date Extracted:
	Client P.O:	Date Analyzed: 06/13/93

Low Boiling Point (C6-C12) TPH* as Gasoline and BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(G) ⁺	Benzene	Toluene	Ethyl Benzene	Xylenes	% Rec. Surrogate
30772	MWA-WS1A	W	ND	ND	ND	ND	ND	119
30773	MW1-WS1A	W	ND	ND	ND	ND	ND	106
Detection Limit unless otherwise stated; ND means Not Detected	W	50 ug/L	0.5	0.5	0.5	0.5		
	S	1.0 mg/kg	0.005	0.005	0.005	0.005		

*water samples are reported in ug/L and soils in mg/kg

cluttered chromatogram; sample peak co-elutes with surrogate peak

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) predominately unmodified or weakly modified gasoline; b) heavier gasoline range compounds predominate (aged gasoline?); c) lighter gasoline range compounds predominate (the most mobile gasoline compounds); d) heavy and light gasoline range compounds predominate (aged gasoline together with introduced light compounds?); e) gasoline range compounds predominate; no recognizable pattern; f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds predominate.

 Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553

Tele: 510-798-1620 Fax: 510-798-1622


GEO Plexus, Inc. 1900 Wyatt Drive, #1 Santa Clara, CA 95054	Client Project ID: Clementina, Albany	Date Sampled: 06/09/93
	Client Contact: David Glick	Date Received: 06/10/93
	Client P.O.:	Date Extracted: 06/11/93
		Date Analyzed: 06/11/93

Total Recoverable Petroleum Hydrocarbons as Oil & Grease (with Silica Gel Clean-up) *

Standard Methods 5520 E&F or 503 D&E for solids and 5520 B&F or 503 A&E for liquids

Lab ID	Client ID	Matrix	TRPH
30774	MW1-WS2A	W	ND
Detection Limit unless other- wise stated; ND means Not Detected	W	5 mg/L	
	S	50 mg/kg	

*water samples are reported in mg/L and soils in mg/kg

 Edward Hamilton, Lab Director

QC REPORT FOR HYDROCARBON ANALYSES

Date: 06/11/-06/13/93

Matrix: Water

Analyte	Concentration (ug/L)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.0	91.0	87.1	101	90	86	4.3
Benzene	0.0	11.1	10.9	10	111	109	1.8
Toluene	0.0	11.3	11.0	10	113	110	2.7
Ethyl Benzene	0.0	10.9	10.6	10	109	106	2.8
Xylenes	0.0	32.3	31.4	30	108	105	2.8
TPH (diesel)	0	141	138	150	94	92	2.1
TRPH (oil & grease)	0	27	27	23.7	114	113	0.7

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$