Thompson
Fence Co., Inc.
FAX # (510) 278-4024

DATE: 10-14-96 TIME: 4:02 PM

ATTENTION: Amy Leach

COMPANY:

FROM: Gary Thompson

THERE ARE 14 PAGES INCLUDING THIS COVER LETTER.

PLEASE CALL (510) 276-8350 IF ANY PAGES ARE MISSING.

P.O. Box 206, 2584 Grant Ave. San Lorenzo, California 94580 (510) 276-8350 Fax (510) 278-4024

→ Need wells surveyed to est. benchmark

→ Per RP Argy Leyton still working on project

POLYMATRIX ASSOCIATES

3056 CASTRO VALLEY BLVD., SUITE 183
CASTRO VALLEY, CALIFORNIA 94546
510 / 582-1641

October 08, 1996

Mr. Gary Thompson
Thompson and Thompson Fence Co.
2584 Grant Avenue
San Lorenzo, California 94580

Subject: Quarterly Self-Monitoring Report
Groundwater Monitoring Wells
Thompson and Thompson Fence Co.
2584 Grant Avenue
San Lorenzo, California 94580

Dear Mr. Thompson:

At the request of Thompson and Thompson Fence Co., PolyMatrix Associates has initiated quarterly monitoring of three (3) groundwater wells and monthly groundwater gradient maps located at the above address. This report contains information regarding standard operational procedures performed to produce physical and chemical data at the Thompson and Thompson Fence Co. facility, San Lorenzo, CA. Included in this report is a updated groundwater gradient map.

The information within this report is data only, therefore no conclusions or interpretations are implied.

Groundwater Elevation Readings: A reading of groundwater levels relative to well casing was performed prior to purging the monitoring wells. A groundwater gradient map ()figure 1) was generated with information of current surfacewater to casing readings and surveyed casing elevations provided by the "Preliminary Site Assessment Report", dated May 31, 1996, prepared by Leyton & Associates for Thompson and Thompson Fence Co.

Sample collection: The quarterly sample collection took place on October 04, 1996. A total of three wells were purged and sampled. The analyses for the groundwater samples consisted of TPH-G (gasoline) and BTX&E.

Groundwater samples were obtained by purging the wells a minimum of three volumes. The 2" diameter casing wells were purged by use of a 10' pvc bailer. Hydrogen ion (pH), conductivity, and temperature were monitored throughout the purging process. Field data readings recorded during the purging process are on file at our office.

Groundwater samples were collected with a bottom loading teflon bailer and stored into proper containers, preserved if applicable, labeled, recorded on chain-of-custody forms, and placed on crushed ice (4°C) for transportation to the laboratory. See chain-of-custody form for specific preservation methods.

Comments: A total of three bore volumes were removed from each monitoring well prior to sample collection. Typically, four bore volumes would be removed from each monitoring well prior to sample collection. Only three bore volumes were removed due to very low recharge rates of the monitoring wells.

One soil sample was collected from a stokpiled area estimated to be approximately 15 yards of excavated soil from the removal of the UST. The soil was collected at a depth of 24-30" (middle area vertically). The sample was collected in a brass core and sealed, labeled, recorded on chain-of-custody forms, and placed on crushed ice (4°C) for transportation to the laboratory.

Equipment Decontamination: All equipment used during the elevation, purging, and sample collection were decontaminated in the field. The decontamination process consisted of: a tap water rinse, a TSP rinse, and ending with a de-ionized water rinse.

Containment of Bailings: Groundwater retrieved during the purging of the monitoring wells was stored into a fifty-five gallon barrel. The barrel of groundwater bailings are presently being stored at Thompson and Thompson Fence Co. facility.

Analysis: The analyses performed on the groundwater samples collected was performed by AEN of Pleasant Hill, CA. Analytical results are located in the attached report dated 10/08/96, log number 96.10059.

If you should have any questions regarding this report, please feel free to call upon me at your convenience.

Sincerely,
PolyMatrix Associates

Fred Davis
Project Manager

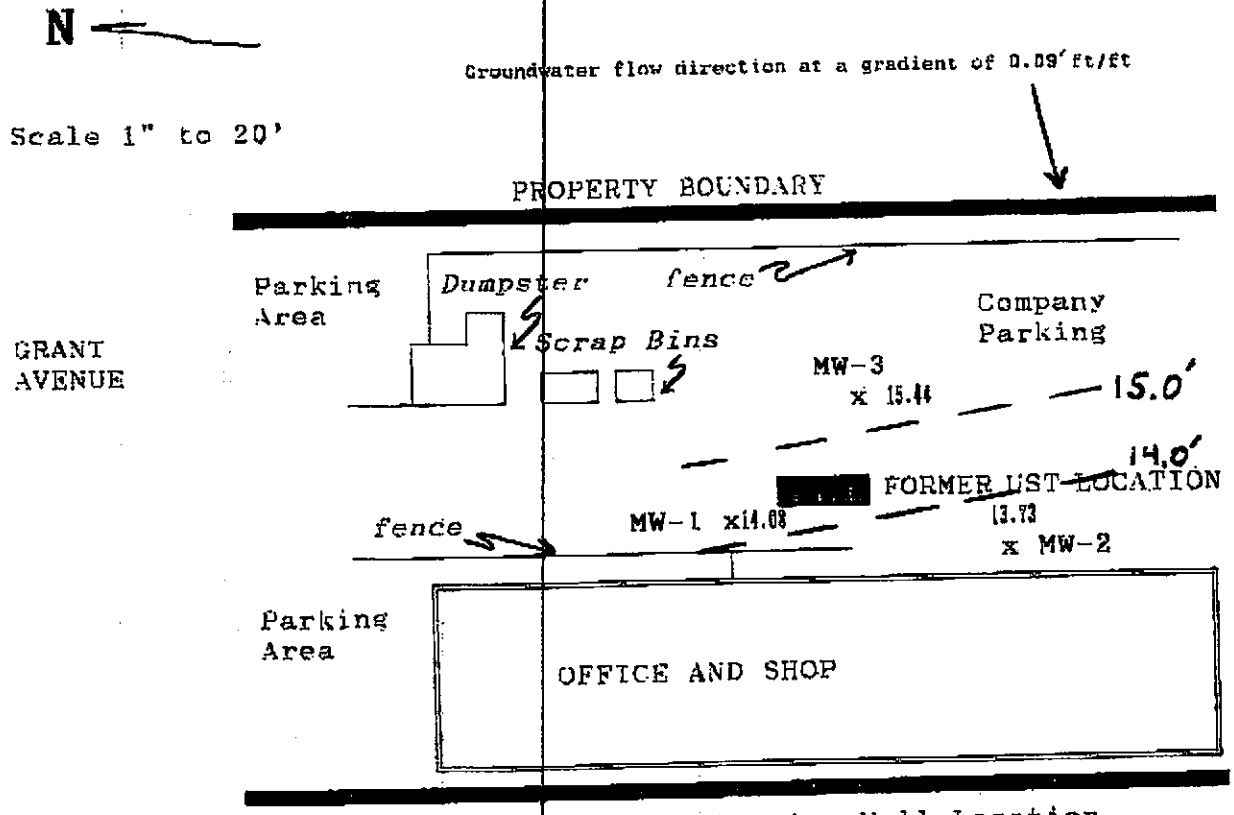
Christopher M. Palmer, C.E.G.

REGISTERED GEOLOGIST
CHRISTOPHER M. PALMER
№ 1262
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

Attachments: Laboratory Results

FIGURE 1

MONITORING WELL LOCATION AND GROUNDWATER ELEVATION CONTOUR
2584 GRANT AVENUE, SAN LORENZO, CALIFORNIA
MEASURED: OCTOBER 04, 1996



x = Monitoring Well Location

Well	Reference/Ground Elevation (ft)	Groundwater level (ft)
MW-1	21.00	14.08
MW-2	20.14	13.73
MW-3	22.48	15.44

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172 AIHA Accreditation: 11134

POLYMATRIX ASSOCIATES
3056 CASTRO VALLEY BLVD
SUITE 183
CASTRO VALLEY, CA 94546

ATTN: FRED DAVIS
CLIENT PROJ. ID: THOMPSON FENCE

REPORT DATE: 10/08/96
DATE(S) SAMPLED: 10/04/96
DATE RECEIVED: 10/04/96
AEN WORK ORDER: 9610059

PROJECT SUMMARY:

On October 4, 1996, this laboratory received 4 (3 water & 1 soil) sample(s).

Client requested sample(s) be analyzed for chemical parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.

Larry Klein
Laboratory Director

American Environmental Network

POLYMATRIX ASSOCIATES

SAMPLE ID: MW-1
AEN LAB NO: 9610059-01
AEN WORK ORDER: 9610059
CLIENT PROJ. ID: THOMPSON FENCE

DATE SAMPLED: 10/04/96
DATE RECEIVED: 10/04/96
REPORT DATE: 10/08/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	4,700 *	10	ug/L	10/07/96
Toluene	108-88-3	280 *	10	ug/L	10/07/96
Ethylbenzene	100-41-4	2,100 *	10	ug/L	10/07/96
Xylenes, Total	1330-20-7	4,700 *	40	ug/L	10/07/96
Purgeable HCs as Gasoline	5030/GCFID	31 *	1	mg/L	10/07/96

Reporting limits elevated due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

American Environmental Network

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SAMPLE ID: MW-2
AEN LAB NO: 9610059-02
AEN WORK ORDER: 9610059
CLIENT PROJ. ID: THOMPSON FENCE

DATE SAMPLED: 10/04/96
DATE RECEIVED: 10/04/96
REPORT DATE: 10/08/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	**EPA 8020**				
Benzene	71-43-2	1,100 *	10	ug/L	10/04/96
Toluene	108-88-3	70 *	10	ug/L	10/04/96
Ethylbenzene	100-41-4	900 *	10	ug/L	10/04/96
Xylenes, Total	1330-20-7	1,300 *	40	ug/L	10/04/96
Purgeable HCs as Gasoline	5030/GCFID	15 *	1	mg/L	10/04/96

Reporting limits elevated due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

American Environmental Network

POLYMATRIX ASSOCIATES

SAMPLE ID: MW-3
AEN LAB NO: 9610059-03
AEN WORK ORDER: 9610059
CLIENT PROJ. ID: THOMPSON FENCE

DATE SAMPLED: 10/04/96
DATE RECEIVED: 10/04/96
REPORT DATE: 10/08/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	**EPA 8020**				
Benzene	71-43-2	ND	0.5	ug/L	10/04/96
Toluene	108-88-3	ND	0.5	ug/L	10/04/96
Ethylbenzene	100-41-4	ND	0.5	ug/L	10/04/96
Xylenes; Total	1330-20-7	ND	2	ug/L	10/04/96
Purgeable HCs as Gasoline	5030/GCFID	ND	0.05	mg/L	10/04/96

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

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POLYMATRIX ASSOCIATES

SAMPLE ID: SOIL 24"-30"
AEN LAB NO: 9610059-04
AEN WORK ORDER: 9610059
CLIENT PROJ. ID: THOMPSON FENCE

DATE SAMPLED: 10/04/96
DATE RECEIVED: 10/04/96
REPORT DATE: 10/08/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	5	ug/kg	10/07/96
Toluene	108-88-3	ND	5	ug/kg	10/07/96
Ethylbenzene	100-41-4	ND	5	ug/kg	10/07/96
Xylenes, Total	1330-20-7	ND	5	ug/kg	10/07/96
Purgeable HCs as Gasoline	5030/GCFID	ND	0.2	mg/kg	10/07/96

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9610059

CLIENT PROJECT ID: THOMPSON FENCE

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA

METHOD: EPA 8020, 5030 GCFID

AEN JOB NO: 9610059
INSTRUMENT: H
MATRIX: WATER

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery Fluorobenzene
10/07/96	MW-1	01	125
10/04/96	MW-2	02	100
10/04/96	MW-3	03	103
QC Limits:			70-130

DATE ANALYZED: 10/01/96
SAMPLE SPIKED: 9610001-06
INSTRUMENT: H

Matrix Spike Recovery Summary

Analyte	Spike Added (ug/L)	Average Percent Recovery	RPD	QC Limits Percent Recovery	QC Limits RPD
Benzene	22.0	102	5	85-109	17
Toluene	74.9	99	5	87-111	16
Hydrocarbons as Gasoline	500	86	11	66-117	19

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

METHOD: EPA 8020. 5030 GCFID

AEN JOB NO: 9610059
INSTRUMENT: H
MATRIX: SOIL

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery Fluorobenzene
10/07/96	SOIL 24"-30"	04	109
QC Limits:			70-130

DATE ANALYZED: 10/04/96
SAMPLE SPIKED: 9609318-02
INSTRUMENT: H

Matrix Spike Recovery Summary

Analyte	Spike Added (ug/kg)	Average Percent Recovery	RPD	QC Limits Percent Recovery	QC Limits RPD
Benzene	22.0	92	1	79-113	26
Toluene	74.9	94	1	84-110	20
Hydrocarbons as Gasoline	500	109	<1	60-126	20

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

*** END OF REPORT ***

R-3,5-2
R-7,5-B

4610051

POLYMATRIX ASSOCIATES
191 HARDER ROAD, SUITE 25
HAYWARD, CALIFORNIA 94544
510/582-1641

Proj. No.	Project Name: Thompson & Thompson Fuel						No. of Containers	TPH-G	BTX&E				Remarks
Samplers: (Signature) Fred Davis (Fred Davis)													
Sta. No.	Date	Time	Comp.	Grab	Station Location								
C MW-1	10/4/96	11:59		X	2584 Grant Ave. San Lorenzo, CA		3-VOA's	X	X				Cool groundwater & soil samples to 4°C w/ crushed ice. Rush ASAP need results faxed by 10/8/96.
C MW-2	"	12:30		X			"	X	X				
C MW-3	"	13:05		X			"	X	X				
S Soil 24"-30"	"	13:20		X			1-Brass Core	X	X				

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Fred Davis	10/4/96 1530	Richard E. Hudson	Richard E. Hudson	10/4 1750	Barbara Jamison
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks:	

Chain of Custody Record