LETTER OF TRANSMITTAL

BLYMYER ENGINEERS, INC.
1829 Clement Avenue
Alameda, California 94501-1396
(510) 521-3773 FAX: (510) 865-2594

ENVIRONMENTAL PROTECTION
99 APR 15 AM 11:22

DATE April 13, 1999	Bll Job No. 88288.1
ATTENTION:	Ms. Eva Chew
SUBJECT:	G.I. Trucking Facility
	San Leandro, California
	STID # 1373

Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502-6577

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COPY TO: File
Mr. Mike Rogers, Arkansas Best Corporation
Mr. Stan Lovell G.I. Trucking Company
Mr. Pete Villanueva, G.I. Trucking Company
Mr. Mike Bakaldin, San Leandro Fire Department

SIGNED: Mark Detterman

If enclosures are not as noted, kindly notify Blymyer Engineers, Inc. at once.

BLYMYER
ENGINEERS, INC.

April 13, 1999
BEI Job No. 88288

- PNA now in MW-2 - ND results
Recent report (3/99) had no FP in RW-1 or RW-2
- UST are due for removal in near future

Mr. Mike Rogers
G.I. Trucking Company
c/o Arkansas Best Corporation
3801 Old Greenwood Road
P.O. Box 10048
Fort Smith, AR 72917-0048

Subject: **1999 Annual Groundwater Monitoring**
G.I. Trucking Facility
1750 Adams Avenue
San Leandro, California
STID 1373

Dear Mr. Rogers:

This letter report documents free product recovery and the 1999 annual groundwater monitoring at the subject site (Figures 1 and 2).

1.0 Introduction

1.1 Background

For a complete background please refer to previous monitoring reports by Blymyer Engineers, Inc., such as the preceding monitoring report entitled *First Semi-Annual Groundwater Monitoring Event of 1998*, dated May 13, 1998. An abbreviated description of more recent events is covered in this background section.

On June 6, 1996, Blymyer Engineers installed a second free product recovery well, RW-2, in the southwestern corner of the underground storage tank (UST) complex and encountered a thin layer of relatively fresh free product in both recovery wells, along with a darker product layer. The discovery of an apparent diesel release was subsequently reported to the Alameda County Health Care Services Agency (ACHCSA).

As discussed in the Blymyer Engineers letter entitled *Unauthorized Release*, dated July 16, 1996, the source of the release appears to have been localized in the westernmost fuel pump manway. Specifically, gaskets in the fuel pump appeared to have been the source of the leak. According to site personnel, the fuel pump was repaired and placed back in service. An unknown volume of diesel product was released from this point. Based on an approximate UST basin area of 60 feet by 30 feet, 75% occupied by the existing USTs, an initial 0.25-foot thickness of clear free product, an assumed

porosity of 30% for the pea gravel backfill, and a relatively flat gradient, an estimate for the release volume of approximately 250 gallons was calculated. In November 1996, during ongoing product recovery operations, site personnel verbally reported a total inventory loss of approximately 165 gallons. This compares well with the recovery of approximately 178 gallons of free product since that time.

Native soils surrounding the UST basin consist of multiple layers of silty clay, clayey silt, and clayey fine sand. The hydraulic conductivity appears to be relatively low, based upon the trapping of older free product within the UST basin years after the initial release, the low dissolved concentrations of total petroleum hydrocarbons (TPH) as diesel and benzene, toluene, ethylbenzene, and total xylenes (BTEX) in groundwater downgradient of the UST complex years after the initial release, and the continued mounding of water in the UST basin.

In response to a Tier I risk assessment and request for case closure contained in a previous monitoring report, the ACHCSA issued a letter dated February 3, 1998, requesting additional groundwater sampling. The ACHCSA requested in particular that lacking free product, the recovery wells should be included in the analytical program. The concern was expressed that although no significant contaminant concentrations appear to be escaping the UST basin, the fresher free product in the UST basin may present a localized health risk. Using all water quality data from the recovery and monitoring wells located at the site and in the UST basin, specifically the nondetectable concentrations of BTEX inside and outside the UST basin, a comparison to the Tier I Table, as modified for California Maximum Contaminant Levels (MCLs) by the San Francisco Bay Regional Water Quality Control Board (RWQCB) from the American Society for Testing and Materials (ASTM) 1739-95 document entitled *Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites* (RBCA), dated November 1995, indicated that no apparent health risk is present at the site due to the documented releases of diesel hydrocarbons.

Beginning on July 22, 1998, a series of conversations were held between Blymyer Engineers and the ACHCSA regarding the future direction of activities at the site. On August 7, 1998, the ACHCSA issued a letter requesting a more aggressive method of free product recovery from the UST basin and the addition of polynuclear aromatic compounds (PNAs) to the analytical program due to health risks associated with these compounds. These compounds have only recently been requested in analytical programs in the state of California due to the consideration of risk analysis as a case closure method.

In November 1998, Ms. Eva Chu replaced Mr. Brian Oliva as the ACHCSA project manager for the site. Ms. Chu revisited site data and consulted with Mr. Chuck Headlee of the RWQCB regarding possible closure of the site. Due to the continued minimal presence of free product in the recovery wells located in the UST basin, case closure was not recommended. However, the monitoring and sampling interval was reduced from semi-annual to an annual basis for a minimum period of two years beginning with the Spring 1999 monitoring event. Should free product not be present in the recovery wells located in the UST basin during the annual monitoring events, and should analytical samples

collected from the recovery wells due to lack of free product indicate no significant health risks, then the case would be evaluated for closure once a risk management plan had been prepared for the site. On February 22, 1999, Arkansas Best Corporation (parent company of G.I. Trucking) reported that two of the four USTs were taking on water and that tightness testing was being conducted. On March 16, 1999, ABF Trucking reported that the two USTs taking on water had failed tightness testing. The cause and source of the most recent release has not been identified; however the USTs that failed have been removed from service, remaining fuel has been pumped in to the USTs that have not failed the testing, and no free product has been observed in the two recovery wells in the UST basin after the failure. It thus appears that the location of the points of failure in the USTs did not allow diesel product to leak into the UST basin.

2.0 Data Collection

2.1 Groundwater Sample Collection

A groundwater sample was collected from recovery well RW-1 on March 4, 1999. Groundwater samples were inadvertently not collected from monitoring wells MW-2 and MW-3 (Figure 2) on that date; however, those wells were sampled on March 11, 1999. The groundwater samples were collected by Blaine Tech Services, Inc. (Blaine) in general accordance with the Blymyer Engineers' Standard Operating Procedure No. 3, previously forwarded. The groundwater depth measurements and details of the monitoring well purging and sampling are presented on the *Water Level Report 990304-P-4.WL* and the *Groundwater Sampling Report 990304-P-4 and 990311-Z-3*, dated April 6, 1999, generated by Blaine, and included as Attachment A. Historic and recent measurements of groundwater depth are presented in Table I. All purge and decontamination water was stored in Department of Transportation-approved, 55-gallon drums for future disposal.

2.2 Groundwater Sample Analytical Methods

The groundwater samples were submitted to Entech Analytical Labs, Inc., a California-certified laboratory, on a standard 5-day turnaround time for analysis of BTEX by EPA Method 8020, TPH as diesel by modified EPA Method 8015, and PNAs by EPA Method 8270. Tables II, III, and IV summarize the current and all previous analytical results for groundwater samples collected from the monitoring wells. The laboratory analytical report for the current sampling event is included as Attachment B.

2.3 Free Product Recovery

No measurable quantities of free product were again present in the recovery wells this sampling event. The Soak-eze® socks located in well RW-1 were not changed during the current monitoring event due to the lack of measurable hydrocarbons. The recent tightness testing failure of two of the USTs

occurred prior to the current sampling event. Table I presents historic and current groundwater and product depth measurements. Table V contains a summary of the free product volume recovered during past events and the approximate cumulative volume of free product removed to date.

3.0 Discussion of Data

3.1 Groundwater Sample Analytical Results

TPH as diesel was present at a decreased concentrations in the water samples collected from monitoring well MW-3 and recovery well RW-1, and was nondetectable at a lower detection limit in well MW-2 during this sampling event (Table III). BTEX were again not detected, and have not been detected, in the groundwater samples collected from monitoring wells MW-2 and MW-3 (Table II), 33 months after discovery of the July 1996 release. BTEX were also not detected in recovery well RW-1 at a slightly elevated detection limit of 1.0 micrograms per liter. There were no detectable PNA compounds, including the carcinogenic "benzo(a)-" compounds, in the groundwater samples from wells RW-1, MW-2, and MW-3 at a detection limit of 10 micrograms per liter (Table IV). It is of interest to note that BTEX and PNAs are not detectable in water within the UST basin, nor are these compounds detectable in well MW-2 that is approximately 2 feet downgradient from the edge of the UST basin. It appears that BTEX and PNAs are not migrating beyond the basin.

3.2 Recovered Free Product Data

The existing EZY® passive skimmer, installed in recovery well RW-1, was on a monthly operation and maintenance schedule, overseen by on-site personnel, until August 1994. Until July 1996, the passive skimmer had been maintained quarterly by Blymyer Engineers, either in concurrence with groundwater monitoring in the first and third quarters of the year or independently of groundwater monitoring in the second and fourth quarters of the year. The groundwater depth, the thickness of any pooled product, and the volume of recovered product were measured on each site visit. In November 1995, approximately 0.25 gallons of free product were recovered from the skimmer, and in February 1996, there was no measurable free product to be recovered. Since discovery of the fresh product in the UST basin in July 1996, Blymyer Engineers has used a second passive skimmer, a FAP pump, and Soak-eze® absorbent socks in varying combinations to recover free product in wells RW-1 and RW-2. An increasing volume of product was removed beginning in June 1996 (Table V). Until the 1996 release, the cumulative volume of free product removed since recovery began had only amounted to approximately 1.18 gallons. To date approximately 178 gallons of free product have been recovered at the site. This compares reasonably well to the inventory loss of approximately 165 gallons reported by site personnel.

No measurable quantities of free product were again present in the recovery wells this sampling event. No free product was recovered from the passive skimmer positioned in RW-2. These are important considerations due to the recent UST tightness testing failure of two of the USTs.

3.3 Groundwater Flow Direction and Gradient

Blymyer Engineers contoured groundwater elevations for the four monitoring wells outside of the UST complex this monitoring event to depict the general groundwater gradient at the site. Based on the depth-to-groundwater measurements in these wells during this monitoring event, the groundwater flow direction in the vicinity of the UST basin was toward the east at a gradient of approximately 0.0064 feet per foot. Over the past 10 years, the gradient has been flat and directed towards the southeast with occasional fluctuations in the gradient and flow direction as is present during this sampling event. A not unexpected higher water level exists within the UST complex and indicates difficulty in the flow of water, and thus hydrocarbons, out of the UST basin. If included in the groundwater contour map, this higher level would indicate a localized high, with outward radial flow, centered on the southern area of the UST complex.

4.0 Argument for Case Closure

4.1 Tier I Risk-Based Analysis

Using data collected at the site, specifically the nondetectable concentrations of BTEX and PNAs inside and outside the UST basin, a comparison to the Tier I Table, as modified for California MCLs by the RWQCB from the ASTM 1739-95 document entitled *Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites* dated November 1995, indicates that no apparent health risk is present at the site due to the documented releases of diesel hydrocarbons with the potential exception of a Groundwater Ingestion target due to the limits of detection achieved with the groundwater sample. Groundwater ingestion is not a pathway at this site, or in the vicinity (see below).

4.2 Source Removal

The subject site is an operating trucking facility. Although the existing USTs have recently been upgraded (product line upgrades) to meet 1998 UST compliance requirements they will be removed in the near future. The cause and source of the most recent release has not been identified; however the USTs that failed have been removed from service, remaining fuel has been pumped in to the USTs that have not failed the testing, and no free product has been observed in the two recovery wells in the UST basin after the failure.

4.3 Stable or Decreasing Analytical Concentrations

There have been no detectable BTEX concentrations in wells as close as two feet outside of the UST basin in over two years of monitoring since the June 1996 release was discovered, nor are concentrations of BTEX present in wells after the February 1999 tightness testing failure. BTEX concentrations in the two recovery wells located in the UST basin have remained non-detectable since first analyzed in February 1998. PNAs also remain below the limits of detection in wells MW-2 and MW-3 since first analyzed in August 1998, and in recovery well RW-2 during the current event. TPH as diesel concentrations in well MW-2 have been essentially stable since November 1994. TPH as diesel concentrations in well MW-3 increased shortly after the June 1996 release (rising from a stable concentration in the range of 1 ppm to 2.4 ppm), but since that time the concentrations have rapidly and consistently decreased by a minimum of 0.5 ppm per semi-annual event (August 1998 concentration was 0.410 ppm).

4.4 Vicinity Groundwater Wells

A printout of vicinity groundwater wells, inclusive of groundwater monitoring and water supply wells, was requested from the Alameda County Public Works Agency (ACPWA) on December 29, 1998. Enclosed as Attachment C, the printout indicates that the closest water supply well (reported to be used for irrigation) is on 98th Avenue at an approximate distance of 1,300 feet to the west-northwest in the assumed upgradient direction. The closest documented groundwater monitoring well is on Biggie Street at an approximate distance of 400 feet to the north-northeast. This well may be in a downgradient position depending upon the direction of flow of groundwater once it moves off the subject site. Using the generally accepted dilution-attenuation distance of approximately 250 feet, neither of these sites would be anticipated to be impacted by hydrocarbons that have been contributed to groundwater from the subject site.

5.0 Summary and Recommendations

Free product recovery operations have essentially reduced the thickness of free product to isolated globules or a sheen in the UST basin, and have essentially removed nearly all available free product. The cause and source of the most recent release has not been identified; however the USTs that failed have been removed from service, remaining fuel has been pumped in to the USTs that have not failed the testing, and no free product has been observed in the two recovery wells in the UST basin after the failure. It thus appears that the location of the points of failure in the USTs did not allow diesel product to leak into the UST basin. The detectable concentrations of TPH as diesel remain consistent, or are declining, outside the UST basin. Concentrations of BTEX have continuously remained nondetectable in wells within 2 feet downgradient of the edge of the UST basin approximately 33 months after the June 1996 release. No detectable concentrations of BTEX were present within the UST basin 33 months after the largest release. Further, no detectable

concentrations of PNAs, including the carcinogenic benzo(a)- compounds, are present in the UST basin nor are they present as close as 2 feet outside the UST basin after the releases. From the data, no health risk is apparent to site personnel, or for potential downgradient receptors when a comparison is made to the Tier I Look-up Table in the ASTM RBCA document, as modified for California MCLs. The concentrations of TPH as diesel are either consistent or rapidly decreasing in wells within 2 feet of the UST basin. There are no apparent water supply wells or groundwater monitoring wells within approximately 1,300 and 400 feet, respectively, of the subject site. As a consequence of these factors Blymyer Engineers recommends case closure for this site after closure of the UST system at the site and an additional groundwater monitoring event.

The RWQCB no long requires copies of contaminant investigation reports; consequently, Blymyer Engineers recommends the forwarding of copies of this report only to the ACHCSA and the San Leandro Fire Department.

6.0 Limitations

Services performed by Blymyer Engineers have been provided in accordance with generally accepted professional practices for the nature and conditions of the work completed in the same or similar localities, at the time the work was performed. The scope of work for the project was conducted within the limitations prescribed by the client, G.I. Trucking Company. This report is not meant to represent a legal opinion. No other warranty, expressed or implied, is made. This report was prepared for the sole use of the client.

Please call Mark Detterman at (510) 521-3773 with any questions or comments.

Sincerely,

Blymyer Engineers, Inc.

By: _____
Mark Detterman, C.E.G. 1788
Senior Geologist

And: _____
Michael S. Lewis
Vice President, Technical Services

Enclosures:

Table I:	Groundwater Depth Measurements
Table II:	Summary of Groundwater Sample Analytical Results; Benzene, Toluene, Ethylbenzene, and Total Xylenes
Table III:	Summary of Groundwater Sample Analytical Results; TPH as Diesel
Table IV:	Summary of Groundwater Sample Analytical Results; TPH as Gasoline, TPH as Motor Oil, TRPH, HVOCs, SVOCs, Metals, and PNAs
Table V:	Free Product Recovery Measurements, Recovery Wells RW-1 and RW-2
Figure 1:	Site Location Map
Figure 2:	Site Plan and Groundwater Elevation Contours, March 4, 1999
Attachment A:	*Water Level Report* 990304-*P-4.WL* and *Groundwater Sampling Report 990304-P-4 and 990311-Z-3*, Blaine Tech Services, Inc., dated March 4 and April 6, 1999
Attachment B:	Laboratory Analytical Reports, Entech Analytical Labs, Inc., March 15, and 19, 1999
Attachment C:	Vicinity Water Wells, December 30, 1998

c: Ms. Eva Chew, Alameda County Health Care Services Agency
Mr. Mike Bakaldin, San Leandro Fire Department
Mr. Stan Lovell, G.I. Trucking Company
Mr. Joseph Meyers G.I. Trucking Company

[illegible]

Table 1. Groundwater Depth Measurements
BEI Job No. 88288.001, G.I. Trucking Facility, 1750 Adams Avenue, San Leandro, California

Date Measured	RW-1* TOC Elevation 100.00[a]		MW-2 TOC Elevation 100.24[a]		MW-3 TOC Elevation 100.22[a] TOC Elevation 100.18[b]		MW-4 TOC Elevation 99.48[a] TOC Elevation 99.46[a,d]		MW-5 TOC Elevation 99.60[a]		RW-2 Not Surveyed	
	Depth to Water/Free Product	Water Surface Elevation	Depth to Water	Water Surface Elevation	Depth to Water	Water Surface Elevation	Depth to Water	Water Surface Elevation	Depth to Water	Water Surface Elevation	Depth to Water/Free Product	Water Surface Elevation
November 15, 1988	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	N/A	N/A
February 16, 1989	6.03/5.83	N/A	6.13	94.11	6.00	94.22	5.92	93.56	5.42	94.18	N/A	N/A
May 19, 1989	6.31/6.11	N/A	6.24	94.00	6.20	94.02	5.25	94.23	5.53	94.07	N/A	N/A
August 22, 1989	6.72/6.54	N/A	6.68	93.56	6.60	93.62	6.76	92.72	5.94	93.66	N/A	N/A
November 21, 1989	6.51	93.49	6.64	93.60	6.55	93.67	5.72	93.76	5.91	93.69	N/A	N/A
February 23, 1990	5.74	94.26	6.04	94.20	5.83	94.39	4.92	94.56	5.69	93.91	N/A	N/A
May 23, 1990	6.34/6.19	N/A	6.40	93.84	6.38	93.84	5.39	94.09	5.92	93.68	N/A	N/A
August 27, 1990	6.27	93.73	6.70	93.54	6.67	93.55	5.66	93.82	6.17	93.43	N/A	N/A
December 3, 1990	6.49	93.51	6.83	93.41	6.75	93.47	5.95	93.53	6.05	93.55	N/A	N/A
March 13, 1991	4.94	95.06	5.64	94.60	5.42	94.80	4.39	95.09	5.01	94.59	N/A	N/A
May 29, 1991	9.46	90.54	6.31	93.93	6.28	93.94	5.27	94.21	5.57	94.03	N/A	N/A
August 28, 1991	6.31/6.22	N/A	6.68	93.56	6.62	93.60	5.70	93.78	5.90	93.7	N/A	N/A
December 9, 1991	6.49/6.29	N/A	6.69	93.55	6.65	93.57	5.78	93.78	5.99	93.61	N/A	N/A
February 18, 1992	4.19/4.09	N/A	4.96	95.28	4.73	95.49	3.60	95.88	4.45	95.15	N/A	N/A
May 15, 1992	5.72/5.55	N/A	6.07	94.17	5.99	94.23	5.03	94.45	5.33	94.27	N/A	N/A
August 13, 1992	6.12/5.93	N/A	6.42	93.82	6.32	93.90	5.40	94.08	5.62	93.98	N/A	N/A
December 3, 1992	5.65/5.55	N/A	6.25	93.99	6.23	93.99	5.14	94.34	5.58	94.02	N/A	N/A
March 25, 1993	4.60	95.40	5.40	94.84	5.27	94.95	4.14	95.34	4.34	95.26	N/A	N/A
May 21, 1993	5.56/5.47	N/A	6.04	94.20	5.97	94.25	4.95	94.53	5.28	94.32	N/A	N/A
August 17, 1993	6.07/5.94	N/A	6.42	93.82	6.59	93.63	5.40	94.08	5.61	93.99	N/A	N/A
December 13, 1993	NM[c]	NM[c]	6.09	94.15	6.33	93.89	5.08	94.40	5.38	94.22	N/A	N/A
February 24, 1994	4.97	95.63	5.57	94.67	5.76	94.46	4.38	95.10	4.90	94.70	N/A	N/A
May 11, 1994	5.20	94.80	5.94	94.30	5.84	94.34	4.85	94.63	5.23	94.37	N/A	N/A
August 23, 1994	6.06/5.98	N/A	6.44	93.80	6.38	93.80	5.47	94.01	5.70	93.90	N/A	N/A
November 29, 1994	5.98	94.02	5.82	94.42	5.76	94.42	4.76	94.72	5.12	94.48	N/A	N/A
February 15, 1995	4.93	95.07	5.68	95.56	5.60	95.58	NM	NM	NM	NM	N/A	N/A
May 18, 1995	4.99	95.01	NM	NM	NM	NM	NM	NM	NM	NM	N/A	N/A
August 16, 1995	6.46	93.54	6.19	94.05	6.11	94.07	5.16	94.32	5.47	94.13	N/A	N/A

Table 1. Groundwater Depth Measurements
BEI Job No. 88288.001, G.I. Trucking Facility, 1750 Adams Avenue, San Leandro, California

Date Measured	RW-1* TOC Elevation 100.00[a]		MW-2 TOC Elevation 100.24[a]		MW-3 TOC Elevation 100.22[a] TOC Elevation 100.18[b]		MW-4 TOC Elevation 99.48[a] TOC Elevation 99.46[a,d]		MW-5 TOC Elevation 99.60[a]		RW-2 Not Surveyed	
	Depth to Water/Free Product	Water Surface Elevation	Depth to Water	Water Surface Elevation	Depth to Water	Water Surface Elevation	Depth to Water	Water Surface Elevation	Depth to Water	Water Surface Elevation	Depth to Water/Free Product	Water Surface Elevation
November 16, 1995	5.21	94.79	NM	NM	NM	NM	NM	NM	NM	NM	N/A	N/A
February 15, 1996	4.68	95.32	5.62	94.62	5.48	94.70	4.40	95.08	4.90	94.70	N/A	N/A
August 5, 1996	6.05/5.70	N/A	6.22	94.02	6.16	94.02	5.27	94.19	5.50	94.10	6.02/5.71	N/A
February 6, 1997	4.40	95.60	5.5	94.74	5.36	94.82	4.26	95.2	4.80	94.80	4.41	N/A
August 22, 1997	4.90	95.1	6.57	93.67	5.85	94.33	5.09	94.37	6.37	93.23	4.88	N/A
February 12, 1998	3.18	96.82	4.88	95.36	4.81	95.41	3.58	95.88	4.32	95.28	3.21	N/A
August 27, 1998	5.95	94.05	6.42	93.82	6.25	93.93	5.43	94.03	5.77	93.83	5.92	N/A
March 4, and 11, 1999	4.98	95.02	6.39	93.85	6.14	94.04	5.34	94.12	5.88	93.72	4.95	N/A

Notes:
- TOC = Top of casing
- a = Based on an arbitrary datum
- b = Resurveyed elevation, May 11, 1994
- c = Not measured due to equipment malfunction
- d = TOC mark lost; Resurveyed elevation, August 16, 1996
- N/A = Not applicable
- NM = Not measured
- * = Formerly designated as well MW-1

Table II. Summary of Groundwater Sample Analytical Results
Benzene, Toluene, Ethylbenzene, and Total Xylenes, Modified EPA Method 8020 (µg/L)
BEI Job No. 88288.001, G.I. Trucking Facility, 1750 Adams Avenue, San Leandro, California

Date Sampled	RW-1*	MW-2	MW-3	MW-4	MW-5	RW-2
November 15, 1988 to May 21, 1993	Not Analyzed					
August 17, 1993	0.13 feet free product	<0.5	<0.5	<0.5	<0.5	N/A
December 13, 1993	heavy product sheen	<0.5	<0.5	<0.5	<0.5	N/A
February 24, 1994	heavy product sheen	<0.5	<0.5	<0.5	<0.5	N/A
May 11, 1994	heavy product sheen	<0.5	<0.5	<0.5	<0.5	N/A
August 23, 1994	0.08 feet free product	<0.5	0.6[a]	<0.5	<0.5	N/A
November 29, 1994	heavy product sheen	<0.5	<0.5	NA	NA	N/A
February 15, 1995	heavy product sheen	1.2[a]	ND	NA	NA	N/A
August 16, 1995	heavy product sheen	<0.5	<0.5	NA	NA	N/A
February 15, 1996	heavy product sheen	<0.5	<0.5	NA	NA	N/A
August 5, 1996	0.35 feet free product	<0.5	<0.5	NA	NA	NA
February 6, 1997	light sheen	<0.5	<0.5	NA	NA	NA
August 22, 1997	light sheen	<0.5	<0.5	NA	NA	NA
February 12, 1998	<0.5	<0.5	<0.5	NA	NA	<0.5
August 27, 1998	0.07 inches free product (heavy sheen)	<0.5	<0.5	NA	NA	NA
March 4, and 11, 1999	NA	<0.5	<0.5	NA	NA	<1.0

Notes:
- µg/L = Micrograms per liter
- <x = Detected concentration less than respective detection limit of x.
- a = Detected concentration of toluene.
- N/A = Not applicable
- NA = Not analyzed
- ND = None of analytes detected above the detection limit; see individual laboratory report for respective detection limits.
- * = Formerly designated as well MW-1

Table III, Summary of Groundwater Sample Analytical Results
TPH as Diesel, Modified EPA Method 8015 (mg/L)
BEI Job No. 88288.001, G.I. Trucking Facility, 1750 Adams Avenue, San Leandro, California

Date Sampled	RW-1*	MW-2	MW-3	MW-4	MW-5	RW-2
November 15, 1988	0.22 feet free product	<0.20	<0.20	<0.20	<0.20	N/A
February 16, 1989	0.20 feet free product	<0.09	<0.09	<0.09	<0.09	N/A
May 19, 1989	0.20 feet free product	<0.08	<0.08	<0.08	<0.08	N/A
August 22, 1989	0.18 feet free product	<0.03	<0.03	<0.03	<0.03	N/A
November 21, 1989	product sheen	<0.03	<0.03	<0.03	<0.03	N/A
February 23, 1990	product sheen	<0.05	0.34	<0.05	<0.05	N/A
May 23, 1990	0.15 feet free product	<0.05	0.64	<0.05	<0.05	N/A
August 27, 1990	product sheen	<0.05	0.41	<0.05	<0.05	N/A
December 3, 1990	product sheen	<0.05	<0.05	<0.05	<0.05	N/A
March 13, 1991	product sheen	<0.05	1.3	<0.05	<0.05	N/A
May 29, 1991	product sheen	<0.05	0.54	<0.05	<0.05	N/A
August 28, 1991	0.09 feet free product	<0.05	0.24	<0.05	<0.05	N/A
December 9, 1991	0.20 feet free product	<0.05	0.20	<0.05	<0.05	N/A
February 18, 1992	0.09 feet free product	<0.05	0.89	<0.05	<0.05	N/A
May 15, 1992	0.17 feet free product	<0.05	0.38	<0.05	<0.05	N/A
August 13, 1992	0.19 feet free product	<0.05	0.20	<0.05	<0.05	N/A
December 3, 1992	0.10 feet free product	<0.05	<0.05	<0.05	<0.05	N/A
March 25, 1993	product sheen	<0.05	1.6	<0.05	<0.05	N/A
May 21, 1993	0.09 feet free product	<0.05	0.72	<0.05	<0.05	N/A
August 17, 1993	0.13 feet free product	<0.05	0.48	<0.05	<0.05	N/A
December 13, 1993	heavy product sheen	<0.05	0.19	<0.05	<0.05	N/A
February 24, 1994	heavy product sheen	<0.05	0.38	<0.05	<0.05	N/A
May 11, 1994	heavy product sheen	<0.05	0.58	<0.05	<0.05	N/A
August 23, 1994	0.08 feet free product	<0.05	0.45[a]	<0.05	<0.05	N/A
November 29, 1994	heavy product sheen	0.09	0.96[a]	NA	NA	N/A
February 15, 1995	heavy product sheen	0.1[a]	1.7[a]	NA	NA	N/A
August 16, 1995[b]	heavy product sheen	0.063[c]	1.1[c]	NA	NA	N/A

Table III, Summary of Groundwater Sample Analytical Results
TPH as Diesel, Modified EPA Method 8015 (mg/L)
BEI Job No. 88288.001, G.I. Trucking Facility, 1750 Adams Avenue, San Leandro, California

Date Sampled	RW-1*	MW-2	MW-3	MW-4	MW-5	RW-2
February 15, 1996	heavy product sheen	0.079	1.3	NA	NA	N/A
August 5, 1996	0.35 feet free product	0.10[d]	1.0[d]	NA	NA	NA
February 6, 1997	light sheen	0.14[a]	2.4[a]	NA	NA	NA
August 22, 1997	light sheen	<0.10	2.0[a]	NA	NA	NA
February 12, 1998	89	<0.10	1.5[e]	NA	NA	100
August 27, 1998	0.07 inches free product (heavy sheen)	0.093	0.410	NA	NA	NA
March 4, and 11, 1999	NA	<0.050	0.330	NA	NA	74

Notes:

TPH	=	Total Petroleum Hydrocarbons
mg/L	=	Milligrams per liter
<x	=	Detected concentration less than respective detection limit of x.
NA	=	Not analyzed
N/A	=	Not applicable
a	=	Laboratory reports that positive result appears to be due to the presence of a heavier hydrocarbon than diesel.
b	=	Beginning this sampling event results are converted to mg/L, originally reported in µg/L.
c	=	Laboratory reports that an unidentified hydrocarbon, heavier than the diesel standard, was present between the carbon range of C9 to C24.
d	=	Laboratory reports a hydrocarbon heavier than the diesel standard was present, and that the method blank contained 0.05 mg/L TPH as diesel.
e	=	Laboratory reports that the pattern is atypical for diesel analysis.
*	=	Formerly designated as well MW-1

Table IV. Summary of Groundwater Sample Analytical Results*
TPH as Gasoline, TPH as Motor Oil, TRPH, HVOCs, SVOCs, Metals, and PNAs
BEI Job No. 88288.001, G.I. Trucking Facility, 1750 Adams Avenue, San Leandro, California

Sample I.D.	Date Sampled	Modified EPA Method 8015 TPH as gasoline (mg/L)	Modified EPA Method 8015 TPH as motor oil[a] (mg/L)	EPA Method 418.1 TRPH (mg/L)	EPA Method 601 HVOCs (µg/L)	EPA Method 8270 SVOCs (µg/L)	EPA Methods 6010 and 7421 Metals[b] (mg/L)	EPA Method 8270 PNAs (µg/L)
RW-1**	January 15, 1988 to August 23, 1994	NA	NA	NA	NA	NA	NA	NA
	November 29, 1994[c]	NA	NA	NA	NA	NA	NA	NA
	February 15, 1995[c]	NA	NA	NA	NA	NA	NA	NA
	August 16, 1995[c]	NA	NA	NA	NA	NA	NA	ND
	August 27, 1998	NA	NA	NA	NA	NA	NA	NA
	March 4, and 11, 1999	NA	NA	NA	NA	NA	NA	NA
MW-2	January 15, 1988 to August 23, 1994	NA	NA	NA	NA	NA	NA	NA
	November 29, 1994	<0.05	NA	NA	ND	ND	ND[d]	NA
	February 15, 1995	<0.05	<0.5	<5.0	ND	ND	0.002 Pb[e]	NA
	August 16, 1995[f]	NA	NA	NA	NA	NA	NA	NA
	August 27, 1998	NA	NA	NA	NA	NA	NA	ND
	March 4, and 11, 1999	NA	NA	NA	NA	NA	NA	<10

Table IV, Summary of Groundwater Sample Analytical Results*
TPH as Gasoline, TPH as Motor Oil, TRPH, HVOCs, SVOCs, Metals, and PNAs
BEI Job No. 88288.001, G.I. Trucking Facility, 1750 Adams Avenue, San Leandro, California

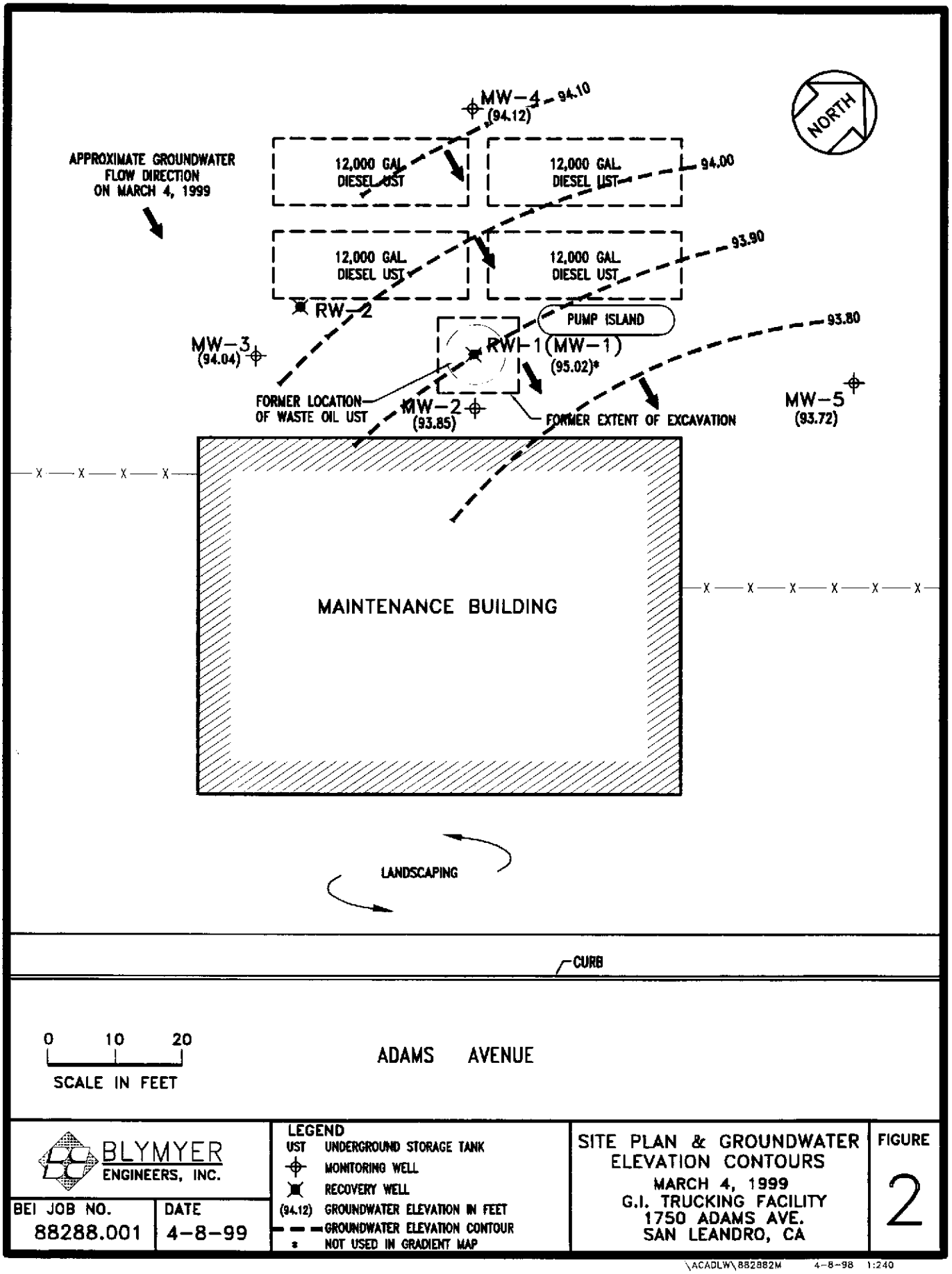
Sample I.D.	Date Sampled	Modified EPA Method 8015 TPH as gasoline (mg/L)	Modified EPA Method 8015 TPH as motor oil[a] (mg/L)	EPA Method 418.1 TRPH (mg/L)	EPA Method 601 HVOCs (µg/L)	EPA Method 8270 SVOCs (µg/L)	EPA Methods 6010 and 7421 Metals[b] (mg/L)	EPA Method 8270 PNAs (µg/L)
MW-3	January 15, 1988 to August 23, 1994	NA	NA	NA	NA	NA	NA	NA
	November 29, 1994	<0.05	NA	NA	ND	ND	ND[d]	NA
	February 15, 1995	<0.05	<0.5	<5.0	ND	ND	0.004 Pb[e] 0.16 Zn[e]	NA
	August 16, 1995[f]	NA	NA	NA	NA	NA	NA	NA
	August 27, 1998	NA	NA	NA	NA	NA	NA	ND
	March 4, and 11, 1999	NA	NA	NA	NA	NA	NA	<10
RW-2	March 11, 1999							ND

Notes:

*	=	Groundwater samples from monitoring wells MW-4 and MW-5 were not collected for analysis
TPH	=	Total Petroleum Hydrocarbons
HVOCs	=	Halogenated Volatile Organic Compounds
SVOCs	=	Semi-volatile Organic Compounds
PNAs	=	Poly-nuclear Aromatic Compounds
mg/L	=	Milligrams per liter
µg/L	=	Micrograms per liter
a	=	TPH as motor oil analysis performed First Quarter 1995 only to provide additional groundwater chemistry data.
b	=	Metals analytical test includes: cadmium (Cd), chromium (Cr), lead (Pb), nickel (Ni), zinc (Zn).
c	=	Not analyzed due to presence of free product or product sheen in monitoring well.
d	=	Groundwater sample filtered and preserved before submittal to laboratory.
e	=	Detected analyte(s) and concentration(s) listed; see individual laboratory report for respective detection limit(s).
f	=	Analysis of groundwater samples for TPH as gasoline, TRPH, HVOCs, SVOCs, and metals was discontinued beginning this monitoring event.
NA	=	Not analyzed
ND	=	None of analytes detected above the detection limit; see individual laboratory report for respective detection limits.
**	=	Formerly designated as well MW-1

Table V, Free Product Recovery Measurements, Recovery Wells RW-1 and RW-2 BEI Job No. 88288.001, G.I. Trucking Facility, 1750 Adams Avenue, San Leandro, California	
Date Recovered	Volume Recovered (gallons)
November 1988 to October 1993	No recovery performed
November 1993	0.125
December 1993	0.25
January 1994	0.05
February 1994	<0.05
March 1994	<0.05
April 1994	<0.05
May 1994	<0.05
June 1994	<0.025
July 1994	<0.025
August 1994[a]	0.1
November 1994	0.1
February 1995	<0.025
May 1995	<0.025
August 1995	No measurable product to recover
November 1995	0.25
February 1996	No measurable product to recover
June 1996	1.1
July 1996[b]	3.75
August 1996	121
September 1996	30
October 1996	23
November 1996	Soak-eze® installed/trace in passive skimmer
December 1996	Soak-eze® installed/trace in passive skimmer
January 1997	Soak-eze® installed/0.1 gallon in passive skimmer
February 1 to 6, 1997	Soak-eze® installed/trace in passive skimmer
February 7 to August 22, 1997	Soak-eze® installed/100 ml in passive skimmer
August 22, 1997 to February 12, 1998	Soak-eze® installed/0 ml in passive skimmer
February 13, 1998 to August 27, 1998	Soak-eze® replaced/20 ml in passive skimmer
August 28, 1998 to March 4, 1999	No measurable product to recover
Cumulative Volume Recovered (approximate)	178

Notes:
a = Frequency of recovery activities decreased from monthly to quarterly after this recovery event.
b = Frequency of recovery activities increased after this recovery event.
ml = milliliters



BLYMYER ENGINEERS, INC.

BEI JOB NO.	DATE
88288.001	4-8-99

LEGEND

UST	UNDERGROUND STORAGE TANK
⊕	MONITORING WELL
▣	RECOVERY WELL
(94.12)	GROUNDWATER ELEVATION IN FEET
- - -	GROUNDWATER ELEVATION CONTOUR
*	NOT USED IN GRADIENT MAP

SITE PLAN & GROUNDWATER ELEVATION CONTOURS
MARCH 4, 1999
G.I. TRUCKING FACILITY
1750 ADAMS AVE.
SAN LEANDRO, CA

FIGURE 2

\ACADLW\882882M 4-8-98 1:240

Attachment A

Water Level Report 990304-P-4.WL

and

Groundwater Sampling Report 990304-P-4 and 990311-Z-3

Blaine Tech Services, Inc.

dated April 6, 1999

BLAINE
TECH SERVICES inc.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

April 6, 1999

Blymer Engineers, Inc.
1829 Clement Ave.
Alameda, CA 94501-1395

Attention: Mark Detterman

SITE:
G.I. Trucking
1750 Adams Ave.
San Leandro, CA

DATE:
March 4, 1999

Water Level Report 990304-P-4.WL

Personnel from our office were present at the site on Thursday, March 4, 1999 to obtain water levels and conduct a sheen and odor check. Please note that we are reporting only the water levels, not elevations.

Well designation	Well diameter (in.)	Depth to water (ft.)	Well depth (ft.)	Sheen/ Odor	Top of Casing or Top of Box
MW-2	2	6.39	22.93	--	TOC
MW-3	2	6.14	21.02	--	TOC
MW-4	2	5.34	22.95	--	TOC
MW-5	2	5.88	21.71	--	TOC
RW-1	12	4.98	10.10	--	TOC
RW-2	4	4.95	12.46	--	TOC

William Jones

WRJ/pc

BLAINE
TECH SERVICES inc.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

April 6, 1999

Blymyer Engineers, Inc.
1829 Clement Ave.
Alameda, CA 94501-1395

ATTN: Mark Detterman

Site:
G.I. Trucking Facility
1750 Adams Ave.
San Leandro, California

Date:
March 4 and 11, 1999

GROUNDWATER SAMPLING REPORT 990304-P-4 and 990311-Z-3

Blaine Tech Services, Inc. performs specialized environmental sampling and documentation as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. does not participate in the interpretation of analytical results, or become involved with the marketing or installation of remedial systems.

This report deals with the groundwater well sampling performed by our firm in response to your request. Data collected in the course of our work at the site are presented in the TABLE OF WELL MONITORING DATA. This information was collected during our inspection, well evacuation and sample collection. Measurements include the total depth of the well and the depth to water. Water surfaces were further inspected for the presence of immiscibles. A series of electrical conductivity, pH, and temperature readings were obtained during well evacuation and at the time of sample collection.

STANDARD PRACTICES

Evacuation and Sampling Equipment

As shown in the TABLE OF WELL MONITORING DATA, the wells at this site were evacuated according to a protocol requirement for the removal of a minimum of three case volumes of water, before sampling. The wells were evacuated using bailers and electric submersible pumps.

Samples were collected using bailers.

Bailers: A bailer, in its simplest form, is a hollow tube which has been fitted with a check valve at the lower end. The device can be lowered into a well by means of a cord. When the bailer enters the water, the check valve opens and liquid flows into the interior of the bailer. The bottom check valve prevents water from escaping when the bailer is drawn up and out of the well.

Two types of bailers are used in groundwater wells at sites where fuel hydrocarbons and/or solvents are of concern. The first type of bailer is made of a clear material such as acrylic plastic and is used to obtain a sample of the surface and the near-surface liquids, in order to detect the presence of visible or measurable fuel hydrocarbon floating on the surface. The second type of bailer is made of polyethylene, Teflon, or stainless steel, and is used as an evacuation and/or sampling device. Disposable bailers are made of polyethylene plastic, decontaminated by the manufacturer, individually packaged for one-time only use, and are inexpensive. Teflon and stainless steel bailers are relatively easy to clean and are considered reusable with proper decontamination.

Because bailers are manually operated, variations in operator technique may have a greater influence on performance than would be found when using more automated sampling equipment. Also, in cases where fuel hydrocarbons are involved the bailer may include near-surface contaminants that are not representative of water located deeper in the well.

Electric Submersible Pumps: Electric submersible pumps are appropriate for the high volume evacuation of wells of any depth provided the well diameter is large enough to admit the pump. Four inch and three inch diameter wells will readily accept electric submersible pumps, while two inch wells do not. In operation, the pump is lowered into the well with a pipe train above it. A checkvalve immediately above the pump and below the first section of pipe prevents water that has entered the pipe from flowing back into the well. Electricity is provided to the pump via an electrical cable and the action of the pump is to push water up out of the well.

Electric submersible pumps are often used as well evacuation devices, which are then supplanted with a more specialized sample collection device (such as a bailer) at the time of sampling. An

alternative is to use the pump for both evacuation and sampling. When a bailer is used to collect the sample, interpretation of results by the consultant should allow for variations attributable to near surface contamination entering the bailer. When the electric submersible is, itself, used for sample collection it should be operated with the output restricted to a point where the loss of volatiles becomes indistinguishable from the level obtained with true sampling pumps. It should be noted that when the pump is used for both evacuation and sample collection that it is possible to perform these operations as an uninterrupted continuum. This contrasts with the variations in elapsed time between evacuation and sample collection that occur when field personnel cease one mode of operation and must bring other apparatus into use.

Decontamination

All apparatus is brought to the site in clean and serviceable condition. The equipment is decontaminated after each use and before leaving the site.

Effluent Materials

The evacuation process creates a volume of effluent water which must be contained. Blaine Tech Services, Inc. will place this water in appropriate containers of the client's choice or bring new 55 gallon DOT 17 E drums to the site, which are appropriate for the containment of the effluent materials. The determination of how to properly dispose of the effluent water must usually await the results of laboratory analyses of the sample collected from the groundwater well. If that sample does not establish whether or not the effluent water is contaminated, or if effluent from more than one source has been combined in the same container, it may be necessary to conduct additional analyses on the effluent material.

Sampling Methodology

Samples were obtained by standardized sampling procedures that follow an evacuation and sample collection protocol. The sampling methodology conforms to both State and Regional Water Quality Control Board standards and specifically adheres to EPA requirements for apparatus, sample containers and sample handling as specified in publication SW 846 and T.E.G.D. which is published separately.

Sample Containers

Sample containers are supplied by the laboratory performing the analyses.

Sample Handling Procedures

Following collection, samples are promptly placed in an ice chest containing deionized ice or an inert ice substitute such as Blue Ice or Super Ice. The samples are maintained in either an ice chest or a refrigerator until delivered into the custody of the laboratory.

Sample Designations

All sample containers are identified with both a sampling event number and a discrete sample identification number. Please note that the sampling event number is the number that appears on our chain of custody. It is roughly equivalent to a job number, but applies only to work done on a particular day of the year rather than spanning several days, as jobs and projects often do.

Chain of Custody

Samples are continuously maintained in an appropriate cooled container while in our custody and until delivered to the laboratory under our standard chain of custody. If the samples are taken charge of by a different party (such as another person from our office, a courier, etc.) prior to being delivered to the laboratory, appropriate release and acceptance records are made on the chain of custody (time, date and signature of person accepting custody of the samples).

Hazardous Materials Testing Laboratory

The samples obtained at this site were delivered to Entech in Sunnyvale, California. Entech is certified by the California Department of Health Services as a Hazardous Materials Testing Laboratory, and is listed as DOHS ELAP #I-2346.

Personnel

All Blaine Tech Services, Inc. personnel receive 29 CFR 1910.120(e)(2) training as soon after being hired as is practical. In addition, many of our personnel have additional certifications that include specialized training in level B supplied air apparatus and the supervision of employees working on hazardous materials sites. Employees are not sent to a site unless we are confident they can adhere to any site safety provisions in force at the site and unless we know that they can follow the written provisions of an SSP and the verbal directions of an SSO.

In general, employees sent to a site to perform groundwater well sampling will assume an OSHA level D (wet) environment exists unless otherwise informed. The use of gloves and double glove protocols protects both our employees and the integrity of the samples being collected. Additional protective gear and procedures for higher OSHA levels of protection are available.

Reportage

Submission to the Regional Water Quality Control Board and the local implementing agency should include copies of the sampling report, the chain of custody and the certified analytical report issued by the Hazardous Materials Testing Laboratory.

Please call if we can be of any further assistance.

William Jones
Project Coordinator

WRJ/pc

attachments: table of well monitoring data
chain of custody

TABLE OF WELL MONITORING DATA

Well I.D.	MW-2			MW-3			MW-4	MW-5
Date Sampled	03/11/99			03/11/99			03/04/99	03/04/99
Well Diameter (in.)	2			2			2	2
Total Well Depth (ft.)	22.90			21.00			22.95	21.71
Depth To Water (ft.)	5.89			5.89			5.34	5.88
Free Product (in.)	NONE			NONE			NONE	NONE
Reason If Not Sampled	--			--			GAUGE ONLY	GAUGE ONLY
1 Case Volume (gal.)	2.7			2.4				
Did Well Dewater?	NO			NO				
Gallons Actually Evacuated	8.25			7.25				
Purging Device	BAILER			BAILER				
Sampling Device	BAILER			BAILER				
Time	12:09	12:13	12:16	12:35	12:38	12:41		
Temperature (Fahrenheit)	62.8	64.1	65.0	66.0	680.0	68.5		
pH	8.4	8.4	8.2	8.1	8.0	8.0		
Conductivity (micromhos/cm)	835	791	275	785	799	884		
Nephelometric Turbidity Units	>200	>200	>200	>200	>200	>200		
BTS Chain of Custody	990311-Z3			990311-Z3				
BTS Sample I.D.	MW-2			MW-3				
DOHS HMTL Laboratory	ENTECH			ENTECH				
Analysis	TPH-D, BTEX, PNA's by 8015, PAH's by 8270			TPH-D, BTEX, PNA's by 8015, PAH's by 8270				

TABLE OF WELL MONITORING DATA

Well I.D.	RW-1	RW-2		
Date Sampled	03/04/99	03/04/99		
Well Diameter (in.)	12	4		
Total Well Depth (ft.)	10.10	12.46		
Depth To Water (ft.)	4.98	4.95		
Free Product (in.)	NONE	NONE		
Reason If Not Sampled	GAUGE ONLY	--		
1 Case Volume (gal.)		5.0		
Did Well Dewater?		NO		
Gallons Actually Evacuated		15.0		
Purging Device		ELECTRIC SUBMERSIBLE		
Sampling Device		BAILER		
Time		14:40	14:41	14:42
Temperature (Fahrenheit)		67.2	67.0	67.0
pH		7.2	7.2	7.1
Conductivity (micromhos/cm)		600	575	550
Nephelometric Turbidity Units		>200	>200	>200
BTS Chain of Custody		990304-P4		
BTS Sample I.D.		RW-2		
DOHS HMTL Laboratory		ENTECH		
Analysis		TPH-D, BTEX, PNA's by 8015, PAH's by 8270		

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS #910311-23

CLIENT Blymyer Eng

SITE GI Trucking
1750 Adams
San Leandro

LAB ENTECH DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS

Invoice & Report To
Blymyer Eng
Attn. Mark Dotterman

SAMPLE I.D.	Date	Time	MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH-D	BTEX	PAH's & PNA						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-2	3/11	1220	W	7		X	X	X									
MW-3	3/11	1245	W	7		X	X	X									

SAMPLING COMPLETED DATE 3/11 TIME 12:__

SAMPLING PERFORMED BY [signature]

RESULTS NEEDED NO LATER THAN STANDARD

RELEASED BY [signature]	DATE 3/12	TIME 12:35	RECEIVED BY #466 - GLC	DATE 3/12/85	TIME 1235
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS #990304-P4

CLIENT G.I. TRUCKING

SITE 1750 Adams Ave
San Leandro, CA

CONDUCT ANALYSIS TO DETECT

LAB ENTECH DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ RWQCB REGION _____
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS
INVOICE & REPORT TO:
Blymyer Eng. Inc
Attn: Mark Detterman.

SAMPLE I.D.			MATRIX (S = SOIL, W = H2O)	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	TPH-Diesel	BTEX	PNA's/PAH's	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
RW-1	3/4	14:28	W	7		X	X	X	CANCEL per Blymyer Eng. 3/11/99			
RW-2	↓	14:47	W	7		X	X	X				

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	3/4	14:30	Paul Sanna	STANDARD

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	3/8/99	1620		3/8/99	1620
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

Attachment B

Laboratory Analytical Reports,

Entech Analytical Labs, Inc.

dated March 15 and 19, 1999

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501
Attn: Mark Detterman

Date: 3/15/99
Date Received: 3/8/99
Project:
PO #:
Sampled By: Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	RW-2										
Sample Date	3/4/99										
Sample Time	14:47										
Lab #	G5922										
	Result	DF	DLR							PQL	Method
Results in µg/Liter:											
Analysis Date	3/12/99										
TPH-Diesel	74,000	20	1000							50	8015M
Analysis Date	3/10/99										
Benzene	**ND**	2.0	1.0							0.50	8020
Toluene	**ND**	2.0	1.0							0.50	8020
Ethyl Benzene	**ND**	2.0	1.0							0.50	8020
Xylenes (total)	**ND**	2.0	1.0							0.50	8020

DF=Dilution Factor ND= None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)

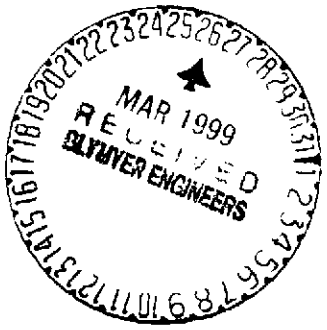
Michelle L. Anderson, Lab Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554



March 15, 1999

Mark Detterman
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Subject:	1 Water Sample
Lab #'s:	G5922
Project Name:	
Project Number:	
P.O. Number:	
Method(s):	PNA's by EPA 8270
Subcontract lab:	Advanced Technology Laboratories (CAELAP #1838)

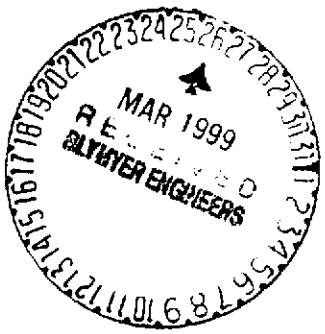
Dear Mark Detterman,

Chemical analysis on the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#1-2346). If you have any questions regarding procedures or results, please call me at 408-735-1550.

Sincerely,

Michelle L. Anderson
Lab Director



March 15, 1999

ELAP No.: 1838

Entech Analytical Labs, Inc.
525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

ATTN: Michelle Anderson

Client's Project: Blymyer Eng. Inc.
Lab No.: 33723-001/002

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

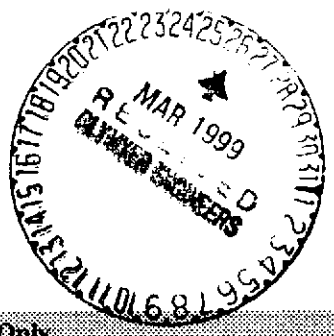
Thank you for the opportunity to service the needs of your company. Please feel free to call me at (310) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.



Client:	**Entech Analytical Labs, Inc.**
Attn:	**Michelle Anderson**
Client's Project:	**Blmyer Eng. Inc.**
Date Received:	**03/09/99**
Matrix:	**Water**
Units:	**µg/l**
Extraction Method:	**3510**

EPA Method 8270C PNA Only

Lab No.:	Method Blank	33723-002										
Client Sample I.D.:	--	G5922 (RW-2)										
Date Sampled:	--	03/04/99										
QC Batch #:	R998270W049	R998270W049										
Date Extracted:	03/10/99	03/10/99										
Date Analyzed:	03/11/99	03/11/99										
Analyst Initials:	ZL	ZL										
Dilution Factor:	1	1										

ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Naphthalene	10	10	ND	10	ND								
Acenaphthylene	10	10	ND	10	ND								
Acenaphthene	10	10	ND	10	ND								
Fluorene	10	10	ND	10	ND								
Phenanthrene	10	10	ND	10	ND								
Anthracene	10	10	ND	10	ND								
Fluoranthene	10	10	ND	10	ND								
Pyrene	10	10	ND	10	ND								
Benzo[a]anthracene	10	10	ND	10	ND								
Chrysene	10	10	ND	10	ND								
Benzo[b]fluoranthene	10	10	ND	10	ND								
Benzo[k]fluoranthene	10	10	ND	10	ND								
Benzo[a]pyrene	10	10	ND	10	ND								
Indeno[1,2,3-cd]pyrene	10	10	ND	10	ND								
Dibenz[a,h,]anthracene	10	10	ND	10	ND								
Benzo[g,h,i]perylene	10	10	ND	10	ND								

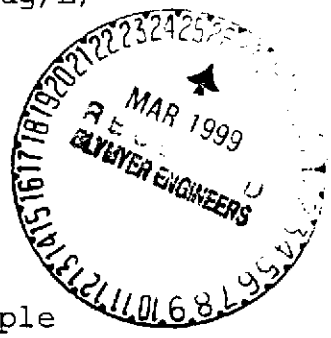
MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ **Date:** 3/15/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - WATER (ug/L)



Method : C:\HPCHEM\1\METHODS\8270F.M
Title : 8270C Advanced Technology Laboratory
Last Update : Fri Feb 26 14:57:44 1999
Response via : Initial Calibration

Non-Spiked Sample: RB0311B.D

	Spike Sample	Spike Duplicate Sample
File ID :	RMS0311B.D	RMD0311B.D
Sample :	MSBLANK R998270W049	MSBLANK R998270W049
Acq Time:	11 Mar 99 6:33 pm	11 Mar 99 7:17 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	48	48	24	24	1	21	12- 78
2-Chlorophenol	0.0	200	112	110	56	55	1	24	30- 91
1,4-Dichlorobenzene	0.0	100	53	53	53	53	1	18	36- 87
N-Nitroso-di-n-propy	0.0	100	68	69	68	69	2	21	31-114
1,2,4-Trichlorobenze	0.0	100	60	59	60	59	2	18	38-100
4-Chloro-3-methylphe	0.0	200	119	117	60	59	2	16	35-102
Acenaphthene	0.0	100	66	62	65	62	6	17	46- 94
4-Nitrophenol	0.0	200	29	30	14	15	5	58	10- 91
2,4-Dinitrotoluene	0.0	100	67	65	67	65	3	20	42-115
Pentachlorophenol	0.0	200	126	120	63	60	5	51	8-125
Pyrene	0.0	100	70	68	70	68	3	16	36-114

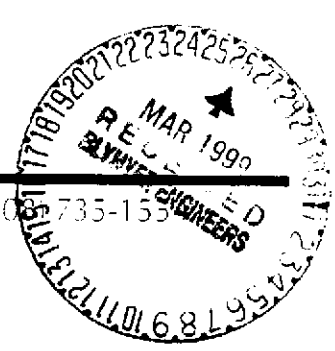
BATCH QC# R998270W049

Reviewed/Approved by: _____ Date: 3/15/99

Lee Ingvaldson
Organics Supervisor

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1551



Subcontract Chain of Custody

Subcontract Lab: ATL		Date Sent: 03/08/99	Project Name: BLYMYER ENG Inc		Due Date: 03/15/99	
Sample ID and Source	Matrix	Required Analysis	Date Taken	Time Taken	Containers	Pres?
GS921 (RW-1)	W	PNAS by 8270	03/04/99		2x1 LTR Amb	
GS922 (RW-2)	W	PNAS by 8270	03/04/99		2x1 LTR Amb	

Relinquished By:	Received By:	Date:	Time:
Mytango via Fed Ex Overnight		03/08/99	6pm
Relinquished By:	Received By: DIANE WALTON	Date: 3-9-99	Time: 0900
Relinquished By:	Received By:	Date:	Time:

Notes: _____

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Subcontract Chain of Custody

Subcontract Lab	Date Sent	Project Name	Due Date
ATL	03/08/99	BLYMYER ENG Inc	03/15/99

Sample ID and Source	Matrix	Required Analysis	Date Taken	Time Taken	Containers	Pres?
~~G5921 (RW-1)~~	~~W~~	~~PNAS by 8270~~	~~03/04/99~~		~~2x 1LTR Amb~~	
G5922 (RW-2)	W	PNAS by 8270	03/04/99		2x 1LTR Amb	

Cancel Sample G5921 (RW-1) only
03/16/99

Relinquished By	Received By	Date	Time
Fedex via Lab	Overnight	03/08/99	6pm
Relinquished By	Received By	Date	Time
Relinquished By	Received By	Date	Time

Notes:

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography

QC Batch #: GBG4990310
Matrix: Water
Units: µg/L

Date Analyzed: 03/10/99
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/L	SA µg/L	SR µg/L	SP µg/L	**SP % R**	SPD µg/L	**SPD %R**	RPD	QC LIMITS RPD	QC LIMITS %R
Benzene	8020	<0.50	40	ND	38	**94**	35	**87**	8.2	25	82-110
Toluene	8020	<0.50	40	ND	38	**94**	34	**85**	10.1	25	80-111
Ethyl Benzene	8020	<0.50	40	ND	37	**92**	35	**88**	4.4	25	81-111
Xylenes	8020	<0.50	120	ND	112	**93**	106	**89**	5	25	81-111
Gasoline	8015	<50.0	500	ND	487	97	504	**101**	3.4	25	70-132

Note: LCS and LCSD results reported for the following Parameters:
All

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R): Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R): Spike % Recovery
- NC: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography
Laboratory Control Spikes

QC Batch #: DW990303
Matrix: Water
Units: µg/L

Date analyzed: 03/10/99
Date extracted: 03/10/99
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/L	SA µg/L	SR µg/L	SP µg/L	**SP %R**	SPD µg/L	**SPD %R**	RPD	QC LIMITS RPD	QC LIMITS %R
Diesel	8015M	<50.0	950	ND	944	**99**	918	**97**	2.8	25	62-137

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R) Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R) Spike Duplicate % Recovery
- NC: Not Calculated

BLAINE
TECH SERVICES INC.
1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS #990304-P4

CLIENT G.I TRUCKING

SITE 1750 Adams Ave
San Leandro, CA

CONDUCT ANALYSIS TO DETECT

LAB [illegible] | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS
Invoice & Report To:
Plymyer Engr. Inc.
Attn Mark Detterman

SAMPLE I.D.			MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	TPH-Diesel	BTEX	PNAs/PAHs	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
RW-1	3/4	14:28	W	7		X	X	X	Cancel per Billy [illegible] 03/11/99			G5921
RW-2	↓	14:47	W	7		X	X	X				G5922

SAMPLING COMPLETED DATE 3/4 TIME 14:30 | SAMPLING PERFORMED BY Paul Sanna | RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	3/8/99	1620	[signature]	3/8/99	1620
[signature]	3/8/99	4:45	[signature]	03/8/99	4:50pm

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

MAR 1999

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTJ #990304-P4

CLIENT B.I TRUCKING

SITE 1750 Adams Ave
San Leandro, CA

SAMPLE I.D.			MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH-DIESEL	BTEX	PNA's/PAH's	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
RW-1	3/4	14:28	W	7		X	X	X	CANCEL Per Blymyer ENG. 3/11/99			
RW-2	3/4	14:47	W	7		X	X	X				

LAB ENTECH

DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA
☐ LUFT
☐ OTHER

☐ RWQCB REGION

SPECIAL INSTRUCTIONS
INVOICE & REPORT TO:
Blymyer Engr. Inc
Attn: Mark Detterman.

SAMPLING COMPLETED DATE 3/4 TIME 14:30

SAMPLING PERFORMED BY Paul Sanna

RESULTS NEEDED NO LATER THAN STANDARD

	DATE	TIME		DATE	TIME
RELEASED BY			RECEIVED BY		
RELEASED BY	3/8/99	1620	RECEIVED BY	3/8/99	1620
RELEASED BY			RECEIVED BY		

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

BLAINE
TECH SERVICES inc.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
(408) 573-7771 FAX
(408) 573-0555 PHONE

DATE 3/11/99

Total pages including cover sheet 2

TO Jennifer

OF ENTRIX
735-1514

FROM Billy x220

REMARKS. Please note cancelled
Sample
CoC Emailed
Thanks

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501
Attn: Mark Detterman

Date: 3/19/99
Date Received: 3/12/99
Project:
PO #:
Sampled By: Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	MW-2			MW-3							
Sample Date	3/11/99			3/11/99							
Sample Time	12:20			12:45							
Lab #	G6375			G6376							
	Result	DF	DLR	Result	DF	DLR				PQL	Method
Results in µg/Liter:											
Analysis Date	3/16/99			3/16/99							
TPH-Diesel	**ND**	1.0	50	**330** [x]	1.0	50				50	8015M
Analysis Date	3/18/99			3/18/99							
Benzene	**ND**	1.0	0.50	**ND**	1.0	0.50				0.50	8020
Toluene	**ND**	1.0	0.50	**ND**	1.0	0.50				0.50	8020
Ethyl Benzene	**ND**	1.0	0.50	**ND**	1.0	0.50				0.50	8020
Xylenes (total)	**ND**	1.0	0.50	**ND**	1.0	0.50				0.50	8020

DF=Dilution Factor ND= None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

· Analysis performed by Entech Analytical Labs. Inc. (CA ELAP =I-2346)

Michelle L. Anderson, Lab Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# 1-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

STANDARD LAB QUALIFIERS
July, 1998

All Entech lab reports now reference standard lab qualifiers. These qualifiers are noted in the adjacent column to the analytical result and are adapted from the U.S. EPA CLP program. The current qualifier list is as follows:

Qualifier	Description
U	Compound was analyzed for but not detected
J	Estimated valued for tentatively identified compounds or if result is below PQL but above MDL
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
B	Analyte is found in the associated Method Blank
E	Compounds whose concentrations exceed the upper level of the calibration range
D	Multiple dilutions reported for analysis; discrepancies between analytes may be due to dilution
X	Results within quantitation range; chromatographic pattern not typical of fuel

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

March 19, 1999

Mark Detterman
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Subject:	2 Water Samples
Lab #'s:	G6375-G6376
Project Name:	
Project Number:	
P.O. Number:	
Method(s):	EPA 8270
Subcontract lab:	Advanced Technology Laboratories (CAELAP #1838)

Dear Mark Detterman,

Chemical analysis on the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#I-2346). If you have any questions regarding procedures or results, please call me at 408-735-1550.

Sincerely,

Michelle L. Anderson
Lab Director

March 19, 1999 ELAP No.: 1838

Entech Analytical Labs, Inc.
525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

ATTN: Michelle Anderson

Client's Project: BLYMEYER ENG
Lab No.: 33989-001/002

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: BLYMEYER ENG
Date Received: 03/16/99
Matrix: Water
Units: µg/L
Extraction Method: 3510C

EPA Method 8270C PNA Only

Lab No.:		Method Blank		33989-001		33989-002							
Client Sample I.D.:		--		G6375 (MW-2)		G6376 (MW-3)							
Date Sampled:		--		03/11/99		03/11/99							
QC Batch #:		R998270W053		R998270W053		R998270W053							
Date Extracted:		03/17/99		03/17/99		03/17/99							
Date Analyzed:		03/17/99		03/17/99		03/17/99							
Analyst Initials:		ZL		ZL		ZL							
Dilution Factor:		1		1		1							
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Naphthalene	10	10	ND	10	ND	10	ND						
Acenaphthylene	10	10	ND	10	ND	10	ND						
Acenaphthene	10	10	ND	10	ND	10	ND						
Fluorene	10	10	ND	10	ND	10	ND						
Phenanthrene	10	10	ND	10	ND	10	ND						
Anthracene	10	10	ND	10	ND	10	ND						
Fluoranthene	10	10	ND	10	ND	10	ND						
Pyrene	10	10	ND	10	ND	10	ND						
Benzo[a]anthracene	10	10	ND	10	ND	10	ND						
Chrysene	10	10	ND	10	ND	10	ND						
Benzo[b]fluoranthene	10	10	ND	10	ND	10	ND						
Benzo[k]fluoranthene	10	10	ND	10	ND	10	ND						
Benzo[a]pyrene	10	10	ND	10	ND	10	ND						
Indeno[1,2,3-cd]pyrene	10	10	ND	10	ND	10	ND						
Dibenz[a,h,]anthracene	10	10	ND	10	ND	10	ND						
Benzo[g,h,i]perylene	10	10	ND	10	ND	10	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 3/19/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - WATER (ug/L)

Method : C:\HPCHEM\1\METHODS\8270H.M
Title : 8270C Advanced Technology Laboratory
Last Update : Sat Mar 13 12:15:53 1999
Response via : Initial Calibration

Non-Spiked Sample: RB0317A.D

	Spike Sample	Spike Duplicate Sample
File ID :	RMS0317A.D	RMD0317A.D
Sample :	MS BLANK R998270W053	MS BLANK R998270W053
Acq Time:	17 Mar 99 5:54 pm	17 Mar 99 6:37 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	59	55	29	27	7	21	12- 78
2-Chlorophenol	0.0	200	163	160	81	80	2	24	30- 91
1,4-Dichlorobenzene	0.0	100	60	59	60	59	1	18	36- 87
N-Nitroso-di-n-propy	0.0	100	100	95	100	95	5	21	31-114
1,2,4-Trichlorobenze	0.0	100	79	79	79	79	1	18	38-100
4-Chloro-3-methylphe	0.0	200	194	189	97	95	3	16	35-102
Acenaphthene	0.0	100	76	73	75	73	3	17	46- 94
4-Nitrophenol	0.0	200	74	67	36	33	9	58	10- 91
2,4-Dinitrotoluene	0.0	100	85	82	85	82	3	20	42-115
Pentachlorophenol	0.0	200	222	199	111	99	11	51	8-125
Pyrene	0.0	100	83	80	83	80	4	16	36-114

BATCH QC# R998270W053

Reviewed/Approved by: _____ Date: 03/19/99

Lee Ingvaldson
Organics Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Subcontract Chain of Custody

Subcontract Lab: ATL		Date Sent: 03/15/99	Project Name: BLYMEYER ENG		Due Date: 03/19/99	
Sample ID and Source	Matrix	Required Analysis	Date Taken	Time Taken	Containers	Pres?
G6375 (MW-7)	W	PAHs/PNAs	3/11/99		1x1 Liter Amb	
G6376 (MW-3)	W	"	"		1x1 Liter Amb	

Relinquished By:	Received By:	Date:	Time:
Ngtuazo via One Overnight		03/15/99	6pm
Relinquished By:	Received By: Diane Walvan	Date: 3-16-99	Time: 0830
Relinquished By:	Received By:	Date:	Time:

Notes: _____

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS #990311-23

CLIENT Blymyer Eng

SITE GI Trucking
1750 Adams
San Leandro

SAMPLE I.D.	Date	Time	MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH-D	BTEX	PAH's & PNA's
MW-2	3/11/99	1220	W	7		X	X	X
MW-3	3/11/99	1245	W	7		X	X	X

LAB ENTECH DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

- ☐ EPA
- ☐ LIA
- ☐ OTHER
- ☐ RWQCB REGION _____

SPECIAL INSTRUCTIONS

Invoice & Report to
Blymyer Eng.
Attn: Mike Detterman

ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			GK3375
			GK3376

SAMPLING COMPLETED DATE 3/11/99 TIME 1300

SAMPLING PERFORMED BY Jeremy

RESULTS NEEDED NO LATER THAN STANDARD

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	3/12	12:35	#666 - GK	3/12/99	1235
#666 - GK	3/12/99	1300	Jennifer Dunkin	3/12/99	1300

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

Attachment C

Vicinity Water Wells

December 30, 1998

PUBLIC WORKS AGENCY
951 Turner Court, Hayward, CA 94545
(510) 670-5543

DATE: 12-30

FAX TRANSMITTAL

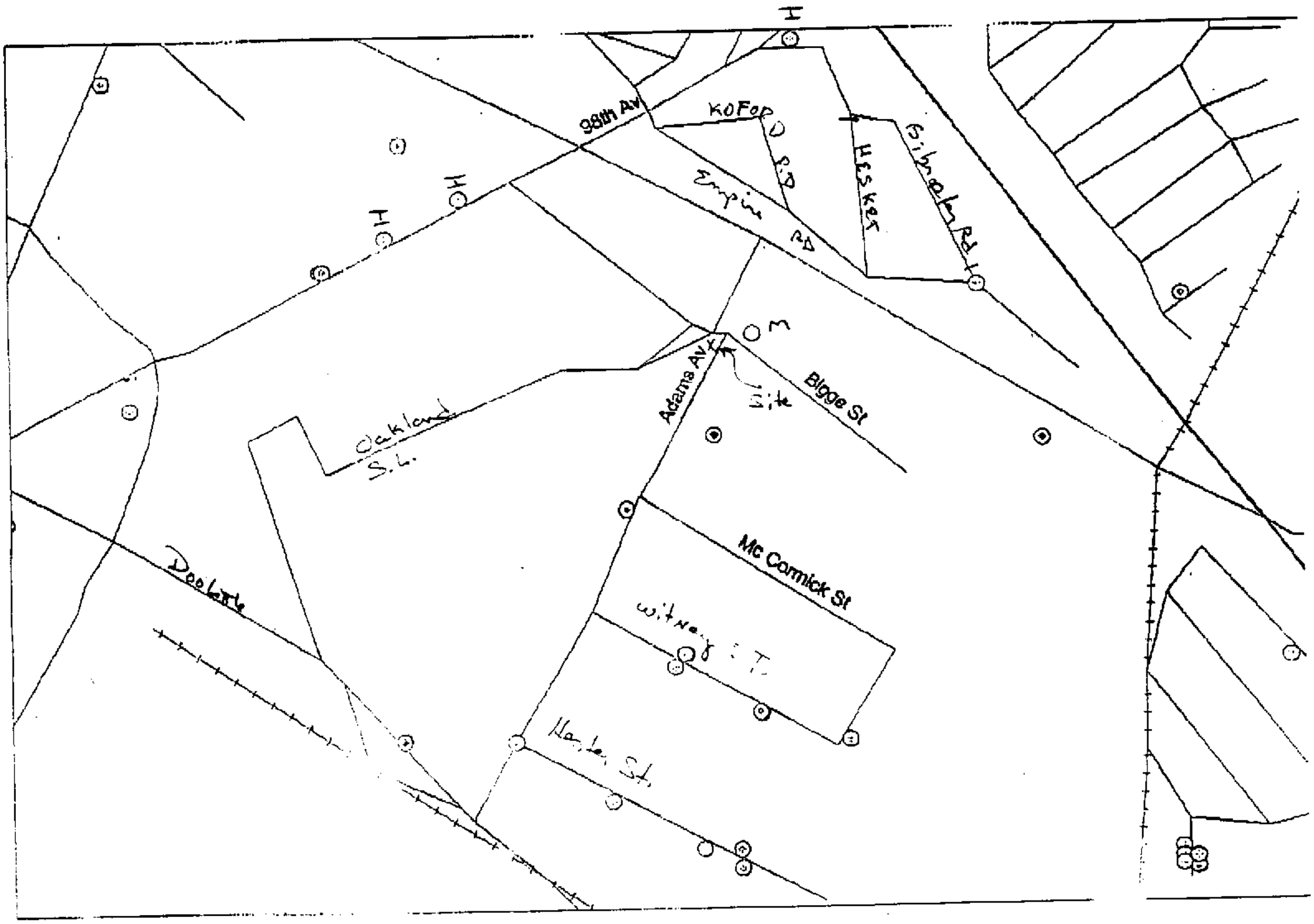
No of Pages (including cover): 4

TO	FROM
Mark Determine	Andreas Godfrey
FAX:	FAX:

Should you have problems receiving this FAX transmittal, please call:

SUBJECT: ½ mile road

TRANSMITTING THE FOLLOWING:


98th Av
KOFORD RD
HESKET
Empire RD
Site
Adams Av
Bigge St
Oakland S.L.
Mc Cormick St

Tr	Section	Address	Owner	City	Drilldate	Totaldepth	Waterdepth	Diameter	Use	Yield
2S/3W	28G 3	155 98th Avenue	California Glass	OAK	3/90	20	8	4	MON	0
2S/3W	28G 4	155 98th Avenue	California Glass	OAK	3/90	20	8	4	MON	0
2S/3W	28G 5	155 98th Avenue	California Glass	OAK	3/90	20	8	4	MON	0
2S/3W	28Q	2000 Adams Avenue	Safeway	SLE	12/88	0	8	0	BOR	0
2S/3W	28Q	2000 Adams Avenue	Safeway	SLE	10/89	8	0	0	BOR	0
2S/3W	28Q	2000 Adams Avenue	Safeway	SLE	10/89	21	6	4	MON	0
2S/3W	28Q 5	2000 Adams Avenue	Safeway	SLE	10/89	21	6	4	MON	0
2S/3W	28Q 6	2000 Adams Avenue	Safeway	SLE	10/89	21	5	4	MON	0
2S/3W	28Q 7	2000 Adams Avenue	Safeway	SLE	10/89	16	13	0	BOR	0
2S/3W	27M	Bigge Street & SPT Rail	Reynolds & Brown	SLE	4/89	65	5	2	MON	0
2S/3W	27M 1	Empire Rd	Caterpillar, Inc.	OAK	05/90	15	7	2	MON	0
2S/3W	34M16	Empire Road & Gibralter	Caterpillar, Inc.	OAK	6/90	26	15	2	MON	0
2S/3W	28Q 8	2000 Adams Ave	Safeway Milk Plant	SLE	9/90	61	28	4	MON	0
2S/3W	28R 4	Hester St. & Adams Ave	Precision Foundors, Inc.	SLE	10/90	63	9	4	MON	0
2S/3W	28Q 9	2000 Adams Street	Safeway	SLE	1/91	67	10	4	MON	0
2S/3W	28Q1	2000 Adams Street	Safeway	SLE	1/91	17	8	2	MON	0
2S/3W	28R 5	519 Whitney St	Benkiser Electric.	SLE	5/91	0	9	0	BOR	0
2S/3W	28R 6	519 Whitney St	Benkiser Electric	SLE	4/91	15	5	2	MON	0
2S/3W	28R 7	519 Whitney St	Benkiser Electric	SLE	3/91	15	6	2	MON	0
2S/3W	28R 8	519 Whitney St	Benkiser Electric	SLE	3/91	30	14	2	MON	0
2S/3W	33A20	10505 Doolittle Drive	Port of Oakland	OAK	4/91	20	5	2	MON	0
2S/3W	28Q11	10505 Doolittle Drive	Port of Oakland	OAK	4/91	22	0	4	IRR	0
2S/3W	22P 1	9824 HESKET DR	FULTON	OAK	/64	250	0	12	IRR+	0
2S/3W	28G 1	150 TUNIS RD & 98TH	BATTO BROTHER	OAK	7/66	305	30	10	IRR	300
2S/3W	28G 2	151 98TH AVE	BATTO BROS INC.	OAK	05/88	25	9	2	MON	0
2S/3W	28J 1	1750 ADAMS AVE	MILNE TRUCK	SLE	12/86	25	9	2	MON	0
2S/3W	28J 2	1750 ADAMS AVE	MILNE TRUCK	SLE	12/86	25	9	2	MON	0
2S/3W	28J 3	1750 ADAMS AVE	MILNE TRUCK	SLE	12/86	27	11	2	MON	0
2S/3W	28J 4	1750 ADAMS AVE	MILNE TRUCK	SLE	12/86	21	5	2	MON	0
2S/3W	28J 5	2000 ADAMS AVE	SAFEWAY STORES	SLE	6/87	26	7	2	TES	0
2S/3W	28Q 1	390 DOOLITTLE DRIVE	EDGEWATER INTN'L TR	SLE	5/86	25	7	2	TES	0
2S/3W	28Q 2	390 DOOLITTLE DRIVE	EDGEWATER INTN'L TR	SLE	5/86	27	9	2	TES	0
2S/3W	28Q 3	2000 ADAMS AVE	SAFEWAY MILK PLANT	SLE	06/86	20	9	2	TES	0
2S/3W	28Q 4	2000 ADAMS AVE	SAFEWAY MILK PLANT	SLE	07/86	14	0	2	MON	0
2S/3W	28R 1	528 WHITNEY ST	MOORE BUSINESS FORI	SLE	7/85	14	0	2	MON	0
2S/3W	28R 2	528 WHITNEY ST	MOORE BUSINESS FORI	SLE	7/85	14	0	2	MON	0
2S/3W	28R 3	528 WHITNEY ST	MOORE BUSINESS FORI	SLE	7/85	35	4	0	MON	0
2S/3W	33A	390 DOOLITTLE DR	KAISER AIR FREIGHT	SLE	01/86	15	5	2	MON	0
2S/3W	33A 3	425 HESTER ST	CHAMPION	SLE	7/85	17	4	2	MON	0
2S/3W	33A 4	425 HESTER ST	CHAMPION	SLE	8/85	14	3	2	MON	0
2S/3W	33A 5	425 HESTER ST	CHAMPION	SLE	8/85	15	6	6	MON	0
2S/3W	33A 6	425 HESTER ST	CHAMPION	SLE	8/85	15	5	8	MON	0
2S/3W	33A 7	425 HESTER ST	CHAMPION	SLE	8/85	15	4	6	MON	0
2S/3W	33A 8	425 HESTER ST	425 HESTER ST	SLE	9/85	15	4	2	MON	0
2S/3W	33A 9	425 HESTER ST	425 HESTER STREET IN	SLE	01/86	9	4	2	MON	0
2S/3W	33A10	425 HESTER ST	IKIT WINDOWS 14	SLE	01/86	20	8	2	MON	0
2S/3W	33A11	808 DOOLITTLE DR		SLE	12/87	25	14	6	MON	0
2S/3W	33A12	407 HESTER STRE		SLE	1/87	23	12	8	MON	0
2S/3W	33A13	407 HESTER STE		SLE	1/87	29	13	2	MON	0
2S/3W	33A14	804 DOOLITTLE	J. WALCH CO.	SLE	1/88	29	14	4	MON	0
2S/3W	33A15	800 DOOLITTLE	DOOLITTLE ASSOCIATE	SLE	1/89	25	12	4	MON	0
2S/3W	33A16	800 DOOLITTLE	DOOLITTLE ASSOCIATE	SLE	1/89	26	14	4	MON	0
2S/3W	33A17	800 DOOLITTLE	DOOLITTLE ASSOCIATE	SLE	01/89	25	11	4	MON	0
2S/3W	33A18	800 DOOLITTLE	DOOLITTLE ASSOCIATE	SLE	01/89	26	8	4	MON	0
2S/3W	33A19	800 DOOLITTLE	DOOLITTLE ASSOCIATE	SLE	01/89	17	7	2	MON	0
2S/3W	28R 9	Whitney & Edison	Bedford Props MW	SLE	10/91					

Tr	Section	Address	Owner	City	[illegible]	[illegible]	[illegible]	[illegible]	Use	[illegible]
2S/3W	28R10	Whitney & Edison	Bedford Props MW-	SLE	10/91	16	8	2	MON	0
2S/3W	28R11	Whitney & Edison	Bedford Props MW-	SLE	10/91	17	7	2	MON	0
2S/3W	28R12	Whitney & Edison	Bedford Props MW-	SLE	10/91	17	7	2	MON	0
2S/3W	28L	Doolittle & Airport Acce	Domenic Cannizzaro B	OAK	3/91	14	8	0	BOR	0
2S/3W	28J 6	10700 Bigge Ave.	Bigge Crane & Rigging M	SLE	2/93	24	14	2	MON	0
2S/3W	28J 7	10700 Bigge Ave.	Bigge Crane & Rigging M	SLE	2/93	24	10	2	MON	0
2S/3W	28R13	485 Hester St.	C, K, M, B & L MW-2	SLE	5/93	16	6	4	MON	0
2S/3W	28R14	485 Hester St.	C, K, M, B & L MW-3	SLE	5/93	16	5	4	MON	0
2S/3W	28R15	485 Hester St.	C, K, M, B & L MW-1	SLE	1/93	16	5	4	MON	0
2S/3W	28R16	717 Whitney St.	Bedford Prop. MW-5	SLE	9/92	14	12	2	MON	0
2S/3W	28R17	717 Whitney St.	Bedford Prop. MW-6	SLE	9/92	13	10	2	MON	0
2S/3W	28R18	717 Whitney St	Eaton Corp	SLE	6/93	10	7	2	MON	0
2S/3W	28R19	717 Whitney St	Eaton Corp	SLE	6/93	10	7	2	MON	0
2S/3W	28R20	717 Whitney St	Eaton Corp	SLE	6/93	10	9	2	MON	0
2S/3W	28G 6	121 98th Ave	Budget Rent a Car Corp	OAK	5/93	11	4	2	MON	0
2S/3W	28G 7	121 98th Ave	Budget Rent a Car Corp	OAK	5/93	11	4	2	MON	0
2S/3W	28G 8	121 98th Ave	Budget Rent a Car Corp	OAK	5/93	11	4	2	MON	0
2S/3W	28R21	[illegible] Whitney St	The Principal Financial G	SLE	2/94	23	5	2	MON	0
2S/3W	28R22	[illegible] Whitney St	The Principal Financial G	SLE	2/94	20	6	2	MON	0
2S/3W	27M 2	25 Malta Ct	Caterpillar, Inc	OAK	7/94	40	7	2	MON	0
2S/3W	28G 9	121 98th Av	Budget Rent a Car Corp	OAK	9/94	11	4	2	MON	0
2S/3W	28J 8	2000 Adams Ave	Safeway Inc.	SLE	12/93	20	12	2	MON	0
2S/3W	28J 9	2000 Adams Ave	Safeway Inc.	SLE	12/93	20	12	2	MON	0
2S/3W	28J10	2000 Adams Ave	Safeway Inc.	SLE	12/93	20	12	2	MON	0
2S/3W	28R23	480 Hester St	Kaiser Aerotech	SLE	3/97	10	8	2	MON	0
2S/3W	33A21	880 Doolittle Dr	Kaiser Aerotech	SLE	7/98	10	7	1	MON	0
2S/3W	33A22	880 Doolittle Dr	Kaiser Aerotech	SLE	7/98	10	7	1	MON	0