KLEINFELDER

Project Number: Project Name:

FAX FAX FAX FAX FAX FAX FAX FAX FAX FAX

To: SUSAN HUGO (person)

ACHA (company)

(address or branch office)

337-9335 (fax number)

From: ALAN GLASS (person)

Kleinfelder, Inc.
7133 Koll Center Parkway, Suite 100
Pleasanton, CA 94566
(510) 484-1700
(510) 484-5838 (FAX)

Date: 3-21-96

Time: 3-21-96

Total Pages: 8 (including cover sheet)

Original will follow X

Original will not follow ___

Sent by: AGG

Instructions/Remarks:

- LATEST MONITORING WELL ANALYSES FOR QUEENS FINANCIAL SITE IN EMERYVILLE
- PLEASE CALL TO DISCUSS; CLIENT WOULD LIKE COMMENTS AT EARLIEST CONVENIENCE

AGG

AMERICAN ENVIRONMENTAL NETWORK (AEN)

FAX TRANSMISSION COVER

AMERICAN ENVIRONMENTAL NETWORK
3440 VINCENT ROAD
PLEASANT HILL, CA 94523

FAX NO: (510) 930-0256
PH. NO: (510) 930-9090

DATE: 3-20-96 # OF PAGES (Including cover) 5

REPLY REQUESTED: (circle request) NO YES URGENT FAX REPLY PHONE REPLY FYI

TO: Dan Carroll
Kleinfelder

AEN PROJ. NO: 9603124

CLIENT PROJ. ID: 10-3002-39

FROM: CLIENT SERVICES

✓ FINAL RESULTS

____ PARTIAL RESULTS

____ PRELIMINARY RESULTS, subject to change pending further review and/or laboratory analysis

AEN Job No: 03124 Client Project ID: _____

Project Footnotes

The following footnotes apply to the indicated project samples **and will appear** on the final report (except as noted):

Client IDs	AEN IDs	Test	Footnotes
3801	01F	PNA-W	09

Footnotes

01: Reporting limits (RLs) elevated due to matrix interference.

02: RL(s) elevated for _____ due to hydrocarbon interference.

03: RL(s) elevated for _____ due to hydrocarbon interference in the _____ range.

04: RL(s) elevated due to high levels of target compounds. Sample(s) run at dilution.

05: RL(s) elevated due to high levels of non-target compounds. Sample(s) run at dilution.

06: RL(s) elevated for _____ due to background contamination.

07: Duplicate analysis showed surrogate recoveries outside of QC limits. Results are estimated concentrations.

08: Due to an apparent matrix effect, it was necessary to dilute sample(s) to achieve adequate surrogate recoveries. RL(s) have been adjusted accordingly.

09: Sample showed non-target compounds. (Will not appear on report unless requested by client).

10: Non-typical _____ pattern observed. (Will not appear on report unless requested by client).

*: _____

**: _____

The following information **will not appear** on the final report unless requested:

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

Revision: July 18, 1995

KLEINFELDER, INC.

SAMPLE ID: 3801
AEN LAB NO: 9603124-01
AEN WORK ORDER: 9603124
CLIENT PROJ. ID: 10-3002-39

DATE SAMPLED: 03/08/96
DATE RECEIVED: 03/08/96
REPORT DATE: 03/20/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	03/15/96
Toluene	108-88-3	7.2 *	0.5	ug/L	03/15/96
Ethylbenzene	100-41-4	0.6 *	0.5	ug/L	03/15/96
Xylenes, Total	1330-20-7	2.4 *	0.5	ug/L	03/15/96
Purgeable HCs as Gasoline	5030/GCFID	1.0 *	0.05	mg/L	03/15/96
#Extraction for TPH	EPA 3510	-		Extrn Date	03/14/96
TPH as Diesel	GC-FID	2.8 *	0.05	mg/L	03/16/96
TPH as Kerosene	GC-FID	1.0 *	0.05	mg/L	03/16/96
TPH as Oil	GC-FID	0.6 *	0.2	mg/L	03/16/96
#Extraction for PNAs	EPA 3520	-		Extrn Date	03/11/96
PNAs by EPA 8270	EPA 8270				
Acenaphthene	83-32-9	ND	10	ug/L	03/15/96
Acenaphthylene	208-96-8	ND	10	ug/L	03/15/96
Anthracene	120-12-7	ND	10	ug/L	03/15/96
Benzo(a)anthracene	56-55-3	ND	10	ug/L	03/15/96
Benzo(b)fluoranthene	205-99-2	ND	10	ug/L	03/15/96
Benzo(k)fluoranthene	207-08-9	ND	10	ug/L	03/15/96
Benzo(g,h,i)perylene	191-24-2	ND	10	ug/L	03/15/96
Benzo(a)pyrene	50-32-8	ND	10	ug/L	03/15/96
Chrysene	218-01-9	ND	10	ug/L	03/15/96
Dibenzo(a,h)anthracene	53-70-3	ND	10	ug/L	03/15/96
Fluoranthene	206-44-0	ND	10	ug/L	03/15/96
Fluorene	86-73-7	ND	10	ug/L	03/15/96
Indeno(1,2,3-cd)pyrene	193-39-5	ND	10	ug/L	03/15/96
Naphthalene	91-20-3	ND	10	ug/L	03/15/96
Phenanthrene	85-01-8	ND	10	ug/L	03/15/96
Pyrene	129-00-0	ND	10	ug/L	03/15/96

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

KLEINFELDER, INC.

SAMPLE ID: 3802
AEN LAB NO: 9603124-02
AEN WORK ORDER: 9603124
CLIENT PROJ. ID: 10-3002-39

DATE SAMPLED: 03/08/96
DATE RECEIVED: 03/08/96
REPORT DATE: 03/20/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Corrosivity in soil (pH)	EPA 9045	8.3		S.U.	03/18/96
Ignitability in solid	AEN	NEGATIVE		@	03/18/96
#Digestion, Metals AA/ICP	EPA 3050	-		Prep Date	03/14/96
Cadmium	EPA 6010	ND	0.2	mg/kg	03/18/96
Chromium	EPA 6010	36 *	0.5	mg/kg	03/18/96
Lead	EPA 6010	10 *	1	mg/kg	03/18/96
Nickel	EPA 6010	45 *	1	mg/kg	03/18/96
Zinc	EPA 6010	8 *	1	mg/kg	03/18/96

Sample did not ignite or burn persistently when exposed to an open flame at atmospheric temperature and pressure.

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

KLEINFELDER

9603124

PROJ NO	PROJECT NAME	
10-3002-38	OWENS FINAUCIAL	
L.P. NO (P.O. NO.)	SAMPLERS (Signature/Number)	
R3392	B Dietz 2856	

Remarks: R-3, S-3; R-5, S-0

ANALYSIS: TPHG + BTX; Cd, Cr, Pb, Zn, Ni (totals); TPHK; RCI; TPHD; Conditional STLC*; TPHMO; PNAs

DATE MM DD YY	SAMPLE I.D. TIME HH MM SS	SAMPLE I.D.		NO. OF CONTAINERS	TPHG + BTX	Cd, Cr, Pb, Zn, Ni (totals)	TPHK	RCI	TPHD	Conditional STLC*	TPHMO	PNAs	REMARKS
3/8/96	1306	3801	01A-F	6	X		X		X		X	X	STD T/A
↓	1220	3802	02A	4		X		X		X			(Soil) COMPOSIT 4X

Run STLC only if totals are higher than 10x STLC

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
B Dietz	3/8/96 1639	[illegible signature]
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Remarks: THANK YOU AEN

Send Results To: D. CARROLL

KLEINFELDER
7133 KOLL CENTER PARKWAY
SUITE 100
PLEASANTON, CA 94566
(510) 484-1700

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
3623 Adeline Street/1168 36th Street, Emeryville, California

Boring No.	Sample Depth (ft bgs)	Sample Date	Petroleum Hydrocarbons (8015M)		Volatile Organics (8020)			
			TPH-d (mg/kg)	TPH-o (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)
EW-1	5.0	11/14/95	ND	ND	ND	ND	ND	ND
	9.5	11/14/95	29	ND	ND	ND	ND	ND
	15.0	11/14/95	56[a]	55	27	400	360	1300
B-1	5.0	12/6/95	ND	16	ND	ND	ND	ND
	10.0	12/6/95	1.1[b]	ND	ND	ND	ND	ND
	15.0	12/6/95	1.5[c]	ND	8.5	22	36	91
B-2	15.0	12/6/95	ND	ND	ND	ND	ND	ND
B-3	15.0	12/6/95	1.4[d]	ND	ND	ND	ND	ND
B-4	5.0	12/6/95	1.1[d]	ND	ND	ND	ND	ND
	10.0	12/6/95	ND	ND	ND	ND	ND	ND
	15.0	12/6/95	1.9[d]	ND	ND	ND	ND	ND
B-5	5.0	12/6/95	ND	ND	ND	ND	ND	ND
	10.0	12/6/95	1.1	ND	ND	ND	ND	ND
	15.0	12/6/95	3.2	ND	ND	ND	ND	ND
B-6	15.0	12/6/95	34[c]	ND	ND	30	49	88

EXPLANATION

ft bgs	feet below ground surface.
mg/kg	milligrams per kilogram ~ parts per million.
µg/kg	micrograms per kilogram ~ parts per billion.
–	not tested.
ND	target analytes were not detected at or above the laboratory method reporting limit. See laboratory report for detection limits by analyte.
TPH	total petroleum hydrocarbons quantified as noted below.
d	= quantified as diesel
o	= quantified as bunker oil
k	= quantified as kerosene

NOTES

a	The sample appears to be a mixture of components which are both lighter and heavier than diesel. The hydrocarbon pattern representing the heavier fraction exhibits characteristics which are peculiar to fuel oil.
b	The result for the diesel range hydrocarbons is an unknown hydrocarbon consisting of a single peak
c	The positive result appears to be a lighter hydrocarbon than diesel
d	Laboratory reported the positive result as having an atypical pattern for diesel analysis

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
3623 Adeline Street/1168 36th Street, Emeryville, California

Boring No.	Sample Date	Petroleum Hydrocarbons EPA 8015M			Volatile Organics EPA 8020			
		TPH-d (mg/L)	TPH-o (mg/L)	TPH-k (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
EW-1	12/21/95	4.0	ND	ND	0.7	9.2	0.8	3.8
B-1	12/6/95	15[a]	ND	–	13	ND	28	ND
B-3	12/6/95	0.28[a]	ND	–	ND	ND	ND	1.5
B-4	12/6/95	ND	ND	–	ND	ND	ND	ND
B-5	12/6/95	0.49[a]	ND	--	0.9	0.6	4.8	20
B-6	12/6/95	2.3[a]	ND	–	28	20	65	11

EXPLANATION

- ft bgs — feet below ground surface.
- mg/L — milligrams per liter ~ parts per million.
- µg/L — micrograms per liter ~ parts per billion.
- -- — not tested.
- ND — target analytes were not detected at or above the laboratory method reporting limit. See laboratory report for detection limits by analyte.
- TPH — total petroleum hydrocarbons quantified as noted below.
  - d = quantified as diesel
  - o = quantified as bunker oil oil
  - k = quantified as kerosene

NOTES

The above samples (excluding EW-1) are grab samples and were not sampled from monitoring wells

No groundwater was recoverable from B-2

a The positive result appears to be a lighter hydrocarbon than diesel