Keid from Klindard Ruhmke 10/10/91 meeting



Milier Environmental Company, Inc.

Engineering · Geology · Construction

September 24; 1991

Department of Environmental Health Hazardous Materials Division 80 Swan Way, Room 200 Oakland, CA 94621 REINHARD RUHMKE Project Geologist

385 Pittsburg Avenue • Richmond, CA 94801 Tel: (415) 233-9000 • Fax: (415) 233-2509 • CA License A-592360

Attn: Mr. Gil Wistar

Re: California Linen Rental Co., 989 41st Street,

Oakland, CA

Dear Mr. Wistar:

Enclosed are the laboratory results for the quarterly sampling interval for the above-mentioned site. This latest sampling episode is a continuation of the quarterly monitoring requirements recommended by Alameda County Health Care Services Agency (ACHCSA) in their letter dated 04/15/91. Also included in this report is the work are details regarding the proper abandonment of monitoring well MW3. ACHCSA agreed with Miller Environmental Company's recommendation to properly abandon ground water monitoring well MW3.

Ground Water Monitoring Results
Prior to well sampling, a visual observation for floating
product was performed using a clear teflon bailer. No
free product was observed in any of the monitoring wells.
For ease of reference, a summary of laboratory results is
presented in Table 1:

TABLE 1 Summary of Laboratory Results

Well ₩ Date	TPH gas	TPH dsl	TPH W.O.	В	T	E	X
MW1 10/02/ 02/20/ 07/25/ 10/23/ 01/28/ 06/05/ 08/15/	789 70 790 73 790 34 790 50 791 99 791 23	0.61 2.2 ND 1.1 1.7 0.56 3.5	ND 3 1 ND 3 ND 3 ND 3	2.8 7.5 2.0 3.3 4.4 2.0 3.8	2.4 5.9 0.67 4.0 7.4 1.2 5.5	2.3 0.68 0.12 4.2 1.8 0.64	4.8 5.3 1.5 4.7 8.6 2.5 4.8

Table 1 cont'd

MW2	10/02/89	ND						
	02/20/90	ND						
	07/25/90	ND						
	10/23/90	ND						
	01/28/91	ND						
	06/05/91	ND						
	08/15/91	ND		ND	ND	ND	ND	ND

- a) all results are expressed in milligrams per liter (mg/L) which is equivalent to parts per million (ppm).
- b) Laboratory note Market Market Market Blank was not subtracted from sample value. Due to limited sample volume, re-extraction was not possible, and blank must be extracted with sample. The Method Blank (MB) monitors the level of contamination introduced by reagents or glassware. Since the MB was greater than the level of contamination detected, the analysis for TPH/diesel was probably ND.

Water level readings were collected. Table 2 is a summary of ground water elevations.

TABLE 2
Summary of Ground Water Elevations

10/11/89 46.19 44.81 11/13/89 45.85 44.91 12/14/89 45.86 44.97 02/20/90 46.53 45.35 03/22/90 46.55 45.17 04/23/90 45.81 44.99 07/25/90 45.68 44.88 08/22/90 46.34 44.51 09/25/90 46.20 44.53		MW1	MW2
10/23/90 45.68 44.64 01/28/91 45.34 44.46 06/05/91 45.54 44.21 08/15/91 45.19 44.52	11/13/89 12/14/89 02/20/90 03/22/90 04/23/90 07/25/90 08/22/90 09/25/90 10/23/90 01/28/91 06/05/91	45.85 45.86 46.53 46.55 45.81 45.68 46.20 45.68 45.34 45.54	44.91 44.97 45.35 45.17 44.99 44.88 44.51 44.53 44.64 44.46

a) elevations are given in feet above mean sea level (MSL).

California Linen - Quarter Sampling Results - 09/24/91

Well Destruction

Following approval of the necessary permits from Alameda County Water Conservation and Flood Control District and the City of Oakland, monitoring well MW3 (Figure 1) was destroyed in accordance with Alameda County - Zone 7 minimum requirements as follows:

On July 19, 1991 monitoring well MW3 was overdrilled and the casing, seal, and gravel pack were removed to the bottom of the boring. Using a tremie pipe, the hole was grouted to within approximately 2-inches of grade level and asphalt patching was placed at the surface.

MEC considers ground water monitoring well MW3 to be properly abandoned as of 7/19/91. MEC also requests that "no further action" be taken in regards to the former tank located in the sidewalk area on 41st Street.

Future Work
Levels of benzene and TPH as gasoline have not diminished in
monitoring well MW1 during the one and a half years of
quarterly monitoring. Therefore, MEC recommends initiating a
ground water remediation program in the vicinity of MW1.
However, prior to initiation of such a program, a workplan
will be submitted to ACHCSA outlining the scope of work.

If you have any questions please do not hesitate to call me.

Sincerely,

MILLER ENVIRONMENTAL COMPANY

Denhard Kulmike

Reinhard Ruhmke Project Geologist

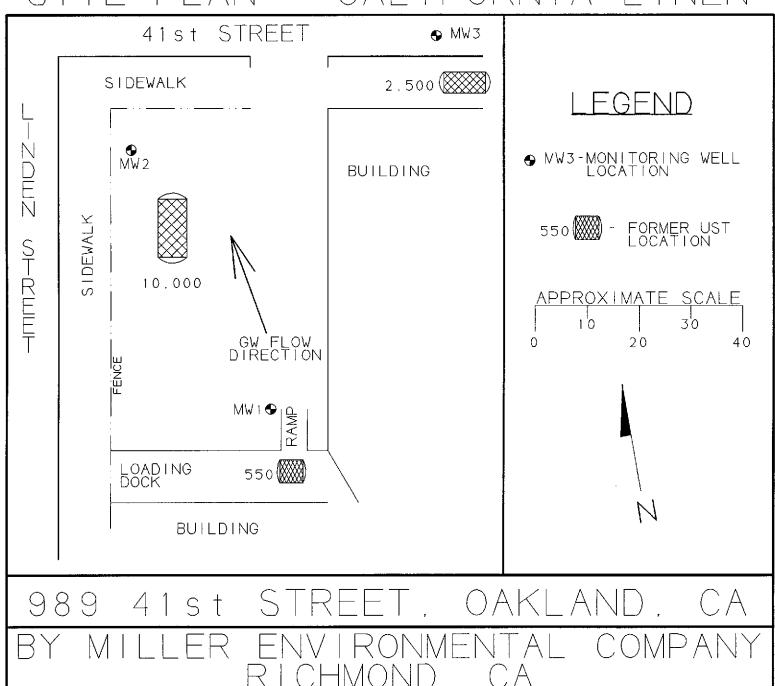
Enc: Laboratory results, permits

cc: RWQCB

Joel Pitney - California Linen

file

FIGURE 1 SITE PLAN - CALIFORNIA LINEN





Reinhard Ruhmke Miller Environmental Co. Environmental Engineering 385 Pittsburg Ave Richmond, CA 94801

Client Code: MIEC1

Survey #

California Linen

Project/Release # 11108

Page 1

LABORATORY RESULTS

Date Collected: 08/15/91 Date Extracted: 08/26/91 Date Analyzed: 08/26/91

Laboratory Job No.: 914428
Date Received: 08/16/91 Date Reported: 09/11/91

ASSAY: TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

MATRIX: WATER

LABNO	SMPLNO-ID	TRPH mg/L	DET. LIM. mg/L
30673	MWl	3.0	0.6
30674	MW2	ND	0.6
30675	MB	ND	0.6
30676	MBS	6.8	0.6
30677	MX	ND	0.6
30 678	MS	7.0	0.6
30 679	MSD	7.0	0.6

NOTE: MBS, MS AND MSD WERE SPIKED AT 8.3 mg/L.

THIS REPORT HAS BEEN REVIEWED AND APPROVED FOR RELEASE.



FAX (707) 763-4065

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LABORATORY RESULTS

Date Collected: 08/15/91 Laboratory Job No.: 914428 Date Extracted: 08/22/91 Date Received: 08/16/91 Date Analyzed: 09/04/91 Date Reported: 09/11/91

ASSAY: TPH/DIESEL (EPA 8015)

MATRIX: WATER

LAB SAMPLE NUMBER NUMBER	RESULTS mg/L	DET.LIM. mg/L
30673 MW1 DIESEL	3.50	0.50
30674 MW2 DIESEL	0.05	0.05
30675 MB DIESEL	0.11	0.05
30676 MBS DIESEL	0.73	0.05
30677 MX F	0.06	0.05
30678 MS DIESEL	0.81	0.05
30679 MSD DIESEL	0.98	0.05

NOTE: MS, MSD AND MB WERE SPIKED AT 0.83 mg/L.

NOTE: METHOD BLANK CONTAINED 0.11 mg/L DIESEL. BLANK WAS NOT SUBTRACTED FROM SAMPLE VALUE. DUE TO LIMITED SAMPLE VOLUME, RE-EXTRACTION

WAS NOT POSSIBLE, AND BLANK MUST BE EXTRACTED WITH SAMPLE.



LABORATORY RESULTS

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Date Collected: 08/15/91 Laboratory Job No.: 914428
Date Extracted: 08/21/91 Date Received: 08/16/91
Date Analyzed: 08/21/91 Date Reported: 09/11/91

ASSAY: TPH/GASOLINE (EPA 5030/MOD.8015)

MATRIX: LIQUID

LABNO SMPLNO-ID	RESULTS mg/L	DET. LIM. mg/L		
30673 MW1 GASOLINE	59.0	10.0		
30674 MW2 GASOLINE	<0.05	0.05		
30675 MB GASOLINE	<0.05	0.05		
30676 MBS GASOLINE	0.82	0.05		
30677 MX GASOLINE	<0.05	0.05		
30678 MS GASOLINE	0.92	0.05		
30679 MSD GASOLINE	0.88	0.05		

NOTE: MBS, MS AND MSD WERE SPIKED AT 0.80 mg/L.



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LABORATORY RESULTS

Date Collected: 08/15/91 Laboratory Job No.: 914428
Date Extracted: 08/21/91 Date Received: 08/16/91
Date Analyzed: 08/21/91 Date Reported: 09/11/91

ASSAY: BTEX (EPA 5030/MOD.8020)

MATRIX: LIQUID

LABNO SMPLNO-ID	RESULTS mg/L	DET. LIM. mg/L
30673 MW1 BENZENE TOLUENE ETHYLBENZENE XYLENES	3.8 5.5 1.1 4.8	0.1 0.1 0.1 0.1
30674 MW2 BENZENE TOLUENE ETHYLBENZENE XYLENES	<0.0005 <0.0005 <0.0005 <0.0005	0.0005 0.0005 0.0005 0.0005
30675 MB BENZENE TOLUENE ETHYLBENZENE XYLENES	<0.0005 <0.0005 <0.0005 <0.0005	0.0005 0.0005 0.0005 0.0005
30676 MBS BENZENE TOLUENE ETHYLBENZENE XYLENES	0.0099 0.0099 0.010 0.031	0.0005 0.0005 0.0005 0.0005



LABORATORY RESULTS

Page 5

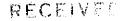
Laboratory Job No.: 914428

ASSAY: BTEX (EPA 5030/MOD.8020)

MATRIX: LIQUID

LABNO SMPLNO-ID	RESULTS mg/L	DET. LIM. mg/L .
30677 MX		
BENZENE TOLUENE	<0.0005 <0.0005	0.0005
ETHYLBENZENE XYLENES	<0.0005	0.0005 0.0005
VIDENCE	<0.0005	0.0005
30678 MS BENZENE	0.00=	
TOLUENE	0.0055 0.0055	0.0005 0.0005
ETHYLBENZENE XYLENES	0.0057 0.016	0.0005 0.0005
30679 MSD BENZENE	0.0053	0.000
TOLUENE *	0.0059	0.0005 0.0005
ETHYLBENZENE XYLENES	0.0054 0.017	0.0005 0.0005
	•	0.0003

NOTE: MBS WAS SPIKED AT 0.010 mg/L FOR ALL ANALYTES EXCEPT FOR XYLENES WHICH WERE SPIKED AT 0.030 mg/L. MS AND MSD WERE SPIKED AT 0.0050 mg/L FOR ALL ANALYTES EXCEPT FOR XYLENES WHICH WERE SPIKED AT 0.015 mg/L.





FAX (707) 763-4065



QUALITY CONTROL REPORT

In order to provide you with the means of assessing the quality of the data in our report, **D&M Laboratories** reports the results of Quality Control samples analyzed with your samples.

The Quality Control samples provide the following QC information:

The Method Blank (MB) monitors the level of contamination introduced by reagents or glassware. A minimum of one MB is run per batch of 20 samples or less.

The Method Blank Spike (MBS) measures the accuracy of analytical techniques and is not subject to matrix effects. A minimum of one MBS is run per batch of 20 samples or less.

The Matrix Spike (MS) measures the accuracy of the method for a matrix type. Due to the high variability within matrix types and the necessity of batching samples from varied sources, matrix spike information from one sample is not necessarily relevant to other samples on the batch. A minimum of two matrix spikes, MS and MSD, are run per batch of 20 samples or less. The sample selected for the matrix spike is designated MX.

The Matrix Spike Duplicate (MSD), along with the MS, is used to monitor the precision (RPD) of the method and to indicate possible non homogeneity of the sample matrix.

Equations used for determining percent recovery and relative percent difference (RPD) are as follows:

MBS % Recovery = MBS result / MBS spike level X 100 MS % Recovery = (MS - sample) / MS spike level X 100 RPD = | MS - MSD | / ((MS + MSD) / 2) X 100

We continue to strive to improve the quality of service to our clients. We welcome any questions or comments you may have about this information, or about **D&M Laboratories** in general. Please contact a Project Manager for further information.



P.O. Box 808024, Petaluma, CA. 94975-8024 Telephone: (707)763-8245 FAX: (707)763-4065

PIHSburg Ave-

94801

Client's Name

City, State, Zip

Address_

SAMPLE CHAIN OF CUSTODY / WORK ORDER

Phone 415-233-9068

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ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94566

(415) 484-2600

	FOR APPLICANT TO COMPLETE	FOR OFFICE USE
(I) L	OCATION OF PROJECT California Linen Rental	PERMIT NUMBER 91397
-	989 4let Street Ogkland, CA	LOCATION NUMBER 1S/4W 23E1
h #	CLIENT Name (alifornia Linen Rental Address 189 4kt Street Phone 653-1300 City Oghland, Ct Zip 94608	PERMIT CONDITIONS Circled Permit Requirements Apply
A	Address 385 Pithsbux Alena Phone 233-9068 1ty Rychmond, (4 Zip 9480)	A. GENERAL 1. A permit application should be submitted so as arrive at the Zone 7 office five days prior proposed starting date.
\ C	DESCRIPTION OF PROJECT Nater Well Construction Geotechnical Investigation Sathodic Protection General Nell Destruction Contamination	 Submit to Zone 7 within 60 days after complete of permitted work the original Department Water Resources Water Well Drillers Report equivalent for well projects, or drilling to and location sketch for geotechnical projects.
D	RCPOSED WATER WELL USE comestic Industrial Irrigation unicipal Monitoring Other	 3. Permit is void if project not begun within days of approval date. B. WATER WELLS, INCLUDING PIEZOMETERS I. Minimum surface seal thickness is two inches
D M	ROPOSED CONSTRUCTION rilling Method: ud Rotary Air Rotary Auger able Other	cement grout placed by tremie. 2. Minimum seal depth is 50 feet for municipal a industrial wells or 20 feet for domestic, irrig tion, and monitoring wells unless a lesser depis specially approved.
	ELL PROJECTS Drill Hole Diameter 12 in. Maximum Casing Diameter 4 in. Depth 20 ft. Surface Seal Depth ft. Number 1	C. GEOTECHNICAL. Backfill bore hole with compacted cutings or heavy bentonite and upper two feet with compacted material. In areas of known or suspect contamination, tremied cement grout shall be used place of compacted cuttings. D. CATHODIC. Fill hole above anode zone with concreplaced by tremie.
GI	I MONITORING WITH MW3 EOTECHNICAL PROJECTS Number of Borings Maximum Hole Diameter In. Depth ft.	(E.) WELL DESTRUCTION. See attached.
	STIMATED STARTING DATE \\ STIMATED COMPLETION DATE \\ 1\q\q\q\q\q\q\q\q\q\q\q\q\q\q\q\q\q\q\q	
8) pe	hereby agree to comply with all requirements of this ermit and Alameda County Ordinance No. 73-68.	Approved Wyman Hong Date 16 Jul 91
	PPLICANT'S LEMMAN MUMMUDATE 7/1/191	

RECEIVED



JUL 🛶 1991

MILLER ENVIRONMENTAL CO.

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588

(415) 484-2600

18 July 1991

Miller Environmental Company 385 Pittsburg Avenue Richmond, CA 94801

Gentlemen:

Enclosed is Drilling permit 91397 for the destruction of well 15/4W 23E1 at 989 - 41st Street in Oakland for California Linen Rental.

Please note that permit condition A-2 requires that a well destruction report be submitted after completion of the work. The report should include a description of methods and materials used to destroy the well, location sketch, date of destruction, and permit number.

If you have any questions, please contact Wyman Hong or me at 484-2600.

Very truly yours,

Craig A. Mayfield

Water Resources Engineer

Craig a. Maryfield

WH:mm

Enc.

RECENED

JUL 19 1991

MILLER ENVIRONMENTAL CO. 18 July 1991

ZONE 7
WATER RESOURCES ENGINEERING
GROUNDWATER PROTECTION ORDINANCE

CALIFORNIA LINEN RENTAL 989 - 41ST STREET OAKLAND WELL 1S/4W 23E1 PERMIT 91397

Destruction Requirements

- 1 Drill out the well so that the inner casing, seal, and gravel pack are removed to the bottom of the well.
- 2. Using a tremie pipe, fill the hole to 2 feet below the lower of finished grade or original ground with neat cement.
- 3. After seal has set, backfill the remaining hole with compacted material.

These destruction requirements as proposed by Reinhard Ruhmke of Miller Environmental meet or exceed the Zone 7 minimum requirements.

CITY OF OAKLAND

		PERMIT TO EXCAVATE IN STREETS OR OTHER WORK AS SPECIFIED	
	PERMISSION TO EXCAVATE IN THE PUBLIC RIGHT-OF-WAY IS HE APPLICANT HE CAY, TIME	(Street/Ave.) (Specify)	EXC 125.00 1/40 Fit 30.00 EXC 25.03.00 APPLES.030.00
		PHONE #: 415-322-2851	SUBTL 165.00 THE X PHIAD 10465.00
	NATURE OF WORK: GAS ELECTRIC WATER TELEPHINATURE OF WORK: DESTRUCTION OF GROUNG	ONE_ CABLE TV_ SEWER_ OTHER X (Specify) (Specify)	OFFICIAL USE ONLY 0.00 UTILITY COMPANY REPORT
	(Sec. 7031.5. Business and Professions Code: Any city or county which requires a permit to construct, after, improve, demolish, or repair any structure, prior to it's issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for	PERMIT VOID 90 DAYS FROM DATE OF ISSUE UNLESS EXTENSION GRANTED, BY DIRECTOR OF PUBLIC WORKS. Approximate Starting Date Approximate Completion Date HOLIDAY RESTRICTION (1 NOV — 1 JAN) PERMIT VOID 90 DAYS FROM DATE OF ISSUE UNLESS EXTENSION GRANTED, BY THE PROPERTY OF ISSUE UNLESS EXTENSION GRANTED, BY THE PUBLIC WORKS. DATE TO THE PUBLIC WORKS.	Supervisor 101 2012 10125Th Completion Date CITY INSPECTOR'S REPORT BACKFILL PAVING
: היי	I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 70044, Business and Professions Code: The Contractor's License Lew does not apply to an owner of property	LIMITED OPERATION AREA (7AM – 9AM/4PM – 6PM) DATE STREET LAST RESURFACED SPECIAL PAVING DETAIL REQUIRED VES NO	Initials Hours Date Concrete Asphalt
ול. מולבו	I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale. (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption in this subdivision on more than two structures more than once during any three-year period. (Sec. 7044. Business and Professions Code).	24-HOUR EMERGENCY (1) (233-900 C PHONE NUMBER PERMIT NOT VALID WITHOUT 24 HOUR NUMBER. Telephone 273-3668 Forty-eight (48) HOURS BEFORE ACTUAL CONSTRUCTION.	Sidewalk Inches Type Type
	I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law). I am exempt under Sec	ATTENTION State law requires that contractor/owner call Underground Service Alert two working days before excavating to have below-ground utilitles located. This permit is not valid uness applicant has secured an inquiry identification number issued by Underground Service Alert.	Bill No. Charges Backfill Paving Paving Insp.
	Signature Date	Call Toll Free: 800-842-2444 USA ID Number 2006	Traffic Striping ReplacedDate
	Compensation insurance or a certified copy thereof (Sec. 3800, Lab C).	This permit issued pursuant to all provisions of Chapter 6, Article 2 of the Oakland Municipal Code.	APPROVED Engineering Services Date 7 169
VIPENOA! ION	Signature Plylal Date 7 1/11	This permit is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims or actions brought by any person for or on account of any bodily injuries, disease or litiness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance.	Planning Date Field Services Date Construction Date
OHRER & CO	(This section need not be completed if the permit is for one hundred dollars (\$100) or less.) 1 certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California. Signature Date	CONTRACTOR I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect. LICENSE # CITY BUSINESS TAX # Date	Traffic Engineering Date Electrical Engineering Date DIRECTOR OF PUBLIC WORKS APPROVED BY:
5	NOTICE TO APPLICANT. If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith imply with such provisions or this permit shall be deemed revoked.	Signature of Contractor Owner or Agent Agent for Contractor Dwner	EXTENSION GRANTED BY: