

Ms. Susan Hugo
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

**Subject: Destruction of Three Monitoring Wells and One Piezometer
Former Condor Freight Facility
324 Union Street
Oakland, California**

Dear Ms. Hugo:

Blymyer Engineers, Inc. is pleased to provide this letter report on the destruction of groundwater monitoring wells W-2, MW-4, and MW-5, and piezometer P-1 at the referenced site (Figures 1 and 2). Groundwater monitoring wells W-1 and W-3 were previously destroyed on February 10, 1995. Notification that case closure would be granted by the Alameda County Health Care Services Agency (ACHCSA) was forwarded in a letter from the ACHCSA entitled *Case Closure - Former Condor Freight Facility, STID #1741*, dated October 22, 1996. This letter report communicates the activities associated with the destruction of the wells and piezometer.

Scope of Work

Tasks associated with this work were:

- Update site-specific health and safety plan
- Secure all required permits
- Over-drill all wells and grout to surface
- Dispose of well debris and soil cuttings
- Prepare this final letter report



Well Destruction Procedure

After updating the site-specific health and safety plan and obtaining a Drilling Permit from the Alameda County Public Works Agency (copy enclosed), Blymyer Engineers destroyed monitoring wells W-2, MW-4, and MW-5, and piezometer P-1 at the site on August 26, 1997. The wells were over-drilled, and, with a tremie pipe placed near the bottom of the boring, grouted to within 1 foot of grade surface. The remaining portion of the bore holes were backfilled to grade with soil. The monitoring wells and piezometer, originally drilled to 20 feet and 18 feet below grade surface (bgs), respectively, were over-drilled to 20.5 feet bgs, and 20 feet bgs, respectively.

During installation of bores W-2, MW-4, MW-5, and P-1, the highest analyte concentration detected was encountered in bore MW-5. Total Petroleum Hydrocarbons (TPH) as diesel, at a concentration of 13 milligrams per kilogram, was detected at the time of well bore installation. TPH as gasoline, TPH as stoddard solvent, TPH as motor oil, benzene toluene, ethylbenzene, and total xylenes (BTEX), semi-volatile organic compounds (SVOCs), and chromium, nickel, zinc, and lead were either non-detectable, or were present at very low concentrations. Consequently, all well construction debris and soil cuttings were spread on the ground surface. Four Department of Transportation-approved 55-gallon drums of soil and seven drums of groundwater were removed from the site by Integrated Wastestream Management, Inc. (IWM) on October 22, 1997. The drums were generated by bore installation and groundwater sampling, and were inaccessible for an extended period of time due to Caltrans contractor activities related to construction of the replacement Cypress Structure. A copy of the *Non-Hazardous Waste Transport Form* for the drums of groundwater is enclosed with this letter. The four drums of soil are in IWM's yard and await a full transport load for disposal. Please find enclosed documentation of the removal of the soil drums by IWM, on IWM letterhead. A copy of the non-hazardous waste transport form for the soil drums will be forwarded upon receipt to complete your files.

Request for Final Closure

On behalf of the Warehouse Investment Company, Blymyer Engineers requests final case closure for the subject site.

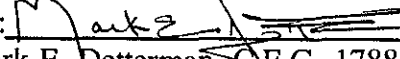


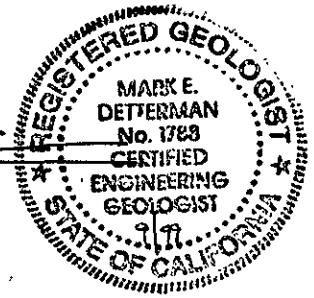
Ms. Susan Hugo
October 30, 1997
Page 3

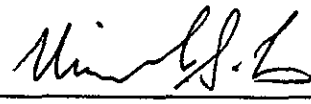
Should you have any questions please call Mark Detterman at (510) 521-3773.

Sincerely,

Blymyer Engineers, Inc.

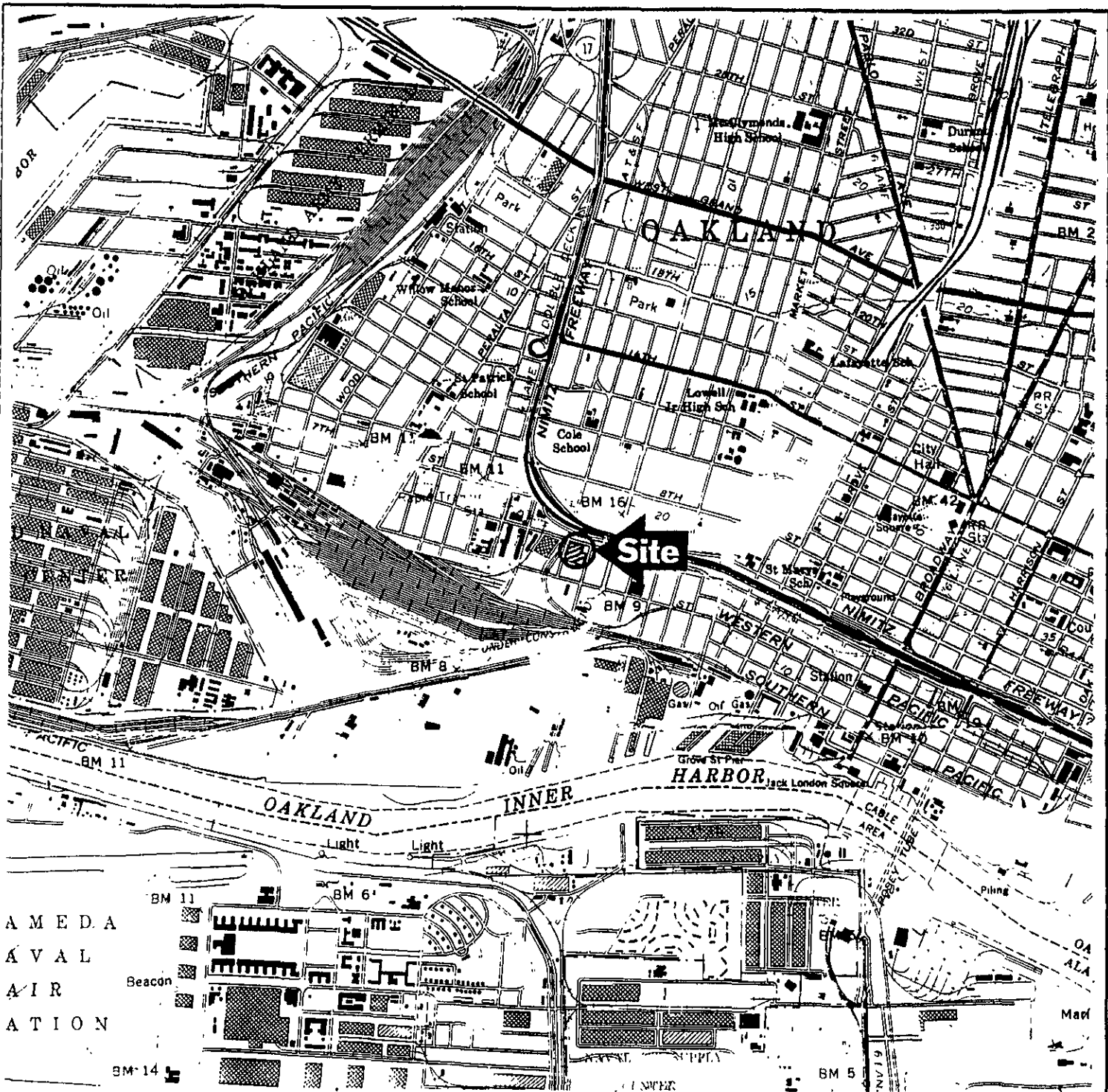
By: 
Mark E. Detterman, C.E.G. 1788
Senior Geologist



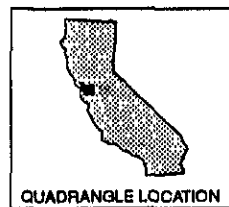
And: 
Michael S. Lewis
Vice President, Technical Services

Enclosures: Figure 1: Site Location
Figure 2: Site Plan
Alameda County Public Works Agency Drilling Permit, Copy
Non-Hazardous Water Transport Form, Copy
Integrated Waste Management, Inc., Letter, Copy

c: Mr. Monte Haslett, Warehouse Investment Company
Mr. Kevin Graves, San Francisco Bay Regional Water Quality Control Board
Ms. Andreas Godfrey, Alameda County Public Works Agency



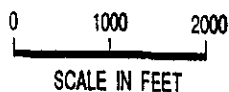
UNITED STATES GEOLOGICAL SURVEY 7.5' QUAD. "OAKLAND WEST, CA" PHOTOREVISED 1980.



QUADRANGLE LOCATION



BLMYER
ENGINEERS, INC.



SITE LOCATION MAP
WAREHOUSE INVESTMENT CO.
324 UNION ST.
OAKLAND, CA

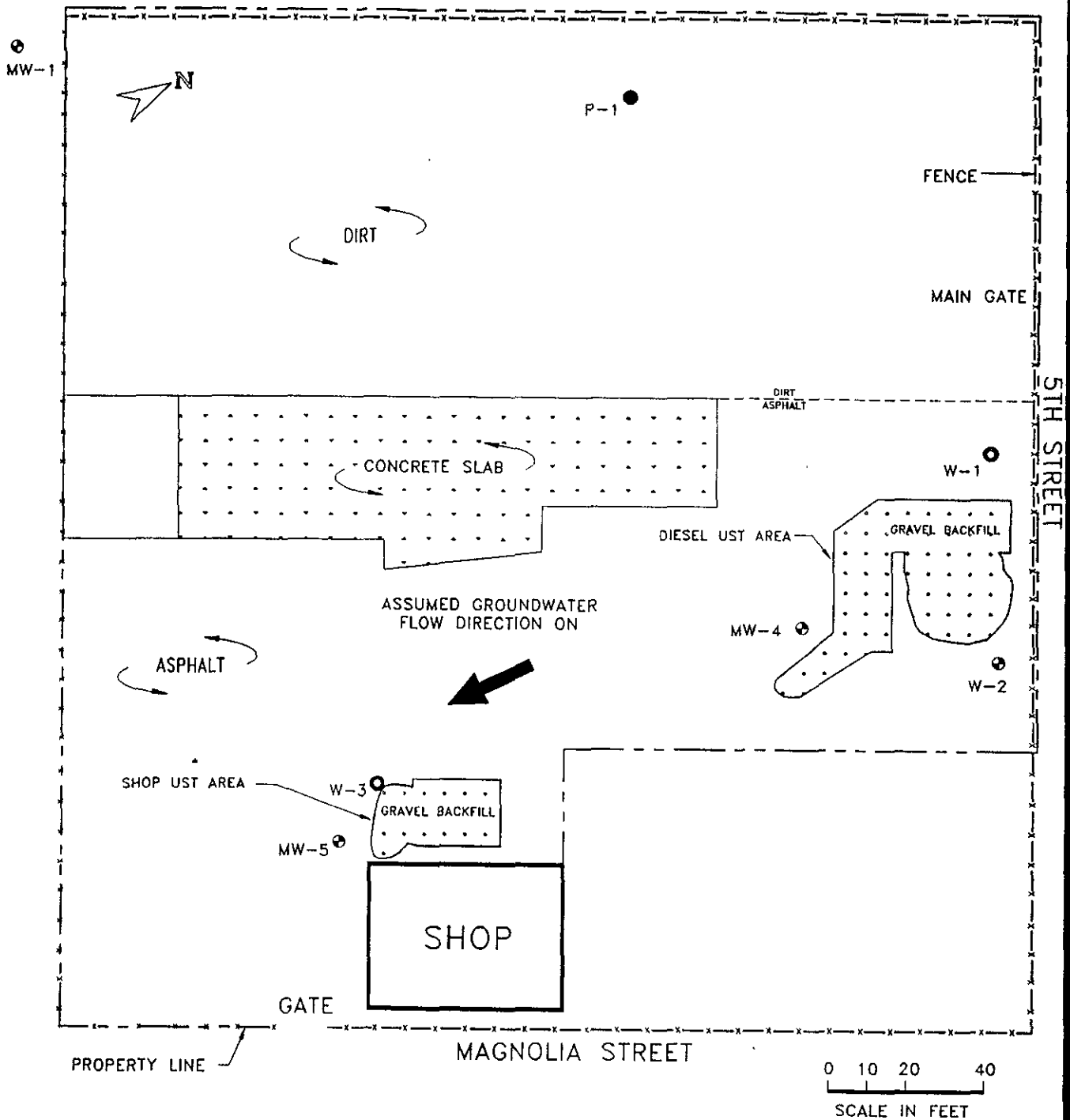
FIGURE

1

BEI JOB NO. 93049

DATE 5/4/95

UNION STREET



BLYMYER ENGINEERS, INC.

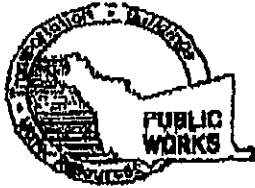
BEI JOB NO. 93049 DATE 6/5/95

- LEGEND**
- ⊕ EXISTING WELL LOCATION
 - EXISTING PIEZOMETER LOCATION
 - ⊙ DESTROYED WELL LOCATION
 - (3.61) GROUNDWATER ELEV. (FT., MSL)
 - - - GROUNDWATER CONTOUR

SITE PLAN AND GROUNDWATER CONTOUR MAP

WAREHOUSE INVESTMENT CO.
OAKLAND, CA

FIGURE 2



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
352 TURNER COURT, SUITE 300, HAYWARD, CA 94541-3651
PHONE (510) 670-3275 ANDREAS GODFREY FAX (510) 670-3262
(510) 670-3269 ALVIN KAN

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Former Gardner Project Facility
32N Napier St.
Oakland, CA

CALIFORNIA COORDINATE SYSTEM N. Accuracy ± ft.
CGN R. CCE
APN

CLIENT Name Wavelength Investment Company
Address 100 Franklin Ave Phone 415-438-4504
City Berkeley CA Zip 94601

APPLICANT Name Mark J. ...
Address 1300 ... Phone 510-21-2777
City Alameda CA Zip 94501

TYPE OF PROJECT Well Construction
Cathodic Protection
Water Supply
Monitoring
Geotechnical Investigation
General
Construction
Well Destruction

PROPOSED WATER SUPPLY WELL USE
New Domestic
Municipal
Industrial
Replacement Domestic Irrigation
Other

DRILLING METHOD:
Med Rotary
Cable
Air Rowley
Other
Auger

DRILLER'S LICENSE NO. 2165536

WELL PROJECTIONS
Drill Hole Diameter 8 in.
Casing Diameter in.
Surface Seal Depth 20 ft.
Maximum Depth 20 ft.
Number 4

GEOTECHNICAL PROJECTS
Number of Borings
Hole Diameter in.
Maximum Depth ft.

ESTIMATED STARTING DATE 8/25/97
ESTIMATED COMPLETION DATE 8/27/97

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-88.

APPLICANT'S SIGNATURE Mark J. ... DATE 8/18/97

FOR OFFICE USE

PERMIT NUMBER 97WR074
WELL NUMBER
APN

PERMIT CONDITIONS

Cited Permit Requirements Apply

A. GENERAL

- 1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Subject to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Water Well Driller Report or equivalent for well projects, or similar logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS

- 1. Minimum surface seal thickness is two inches of compacted gravel placed by trowel.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specifically approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

- 1. Minimum surface seal thickness is two inches of compacted gravel placed by trowel.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL

Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, washed compacted gravel shall be used in place of compacted cuttings.

E. CATHODIC

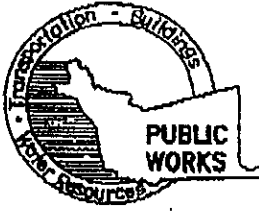
Fill hole above anode zone with concrete placed by trowel.

F. WELL DESTRUCTION

See attached.

G. SPECIAL CONDITIONS

APPROVED [Signature] DATE 8/20/97



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651
PHONE (510) 670-5575 ANDREAS GODFREY FAX (510) 670-5262
(510) 670-5248 ALVIN KAN

WATER RESOURCES SECTION GROUNDWATER PROTECTION ORDINANCE For Monitoring Well at Clean or Contaminated Site

342 UNION ST
OAKLAND

PERMIT NO. 97WR 074

Destruction Requirements:

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



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651
PHONE (510) 670-5575 ANDREAS GODFREY FAX (510) 670-5262
(510) 670-5248 ALVIN KAN

Name MARK DETERMAN

Date 8/20/97

Company BLMYCA

Address _____

City/State/Zip _____

Dear MARK

Enclosed are drilling permit number(s) 97WR-074 for

- a geotechnical investigation
- a water supply well construction project
- a contamination investigation
- a cathodic protection well project
- a monitoring well construction project
- the destruction of well(s)

at 324 UNION ST
DANFORD

for your client WA INVESTMENT CO

Please note that permit condition:

- A-1 requests that an application be submitted five days prior to your proposed start of work.
- A-2 requires that a well (~~construction~~) (destruction) report be submitted after completion of the work.

The report should include:

- permit number
- drilling and completion logs
- location sketch
- date of destruction
- a description of methods and materials used to destroy the well
- a Water Well Drillers Report (for drillers)

Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact Alvin Kan at (510) 670-5248 or myself at (510) 670-5575.

Sincerely,

Andreas Godfrey
Engineer-Scientist

TF NUMBER: MK 102297

NON-HAZARDOUS WATER TRANSPORT FORM

GENERATOR INFORMATION

NAME: WAREHOUSE INVESTMENT Co.
 ADDRESS: 100 DUDLEY AVE.
 CITY, STATE, ZIP: PIEDMONT, CA 94601 PHONE #: 510-653-4554

DESCRIPTION OF WATER: MONITORING WELL FLURGE / DECON WATER

I CERTIFY THAT THIS MATERIAL IS A LIQUID, EXEMPT FROM RCRA PER 40 CFR 261.4 (b)(10) AND DOES NOT MEET THE CRITERIA OF HAZARDOUS WASTE AS DESCRIBED IN 22 CFR ARTICLE 11 OR ANY OTHER APPLICABLE STATE LAW, HAS BEEN PROPERLY DESCRIBED, CLASSIFIED AND PACKAGED AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS.

→ S. M. Haslett III [Signature] 1-2-97
 GENERATOR/AUTHORIZED AGENT SIGNATURE & DATE

SITE INFORMATION

Site Operator	Address	Gals
<u>PARKING / VACANT AREA</u>	<u>324 UNION ST. OAKLAND, CA</u>	<u>315</u>
TOTAL GALLONS:		<u>315</u>

TRANSPORTER INFORMATION

NAME: IWM, Inc.
 ADDRESS: 950 Ames Avenue
 CITY, STATE, ZIP: Milpitas, CA 95035 PHONE #: (408) 942-8955

TRUCK ID #: _____ Lee Heckman 10/22/97
 (Typed or printed full name & signature) (Date)

RECEIVING FACILITY

NAME: McKittrick WTS/ IWM, Inc.
 ADDRESS: 56539 Hwy 58W
 CITY, STATE, ZIP: McKittrick, CA 93251 PHONE #: 805)762-7366

APPROVAL #: 197-066-PS [Signature] 10/22/97
 (Typed or printed full name & signature) (Date)

I NTEGRATED
W ASTESTREAM
M ANAGEMENT, INC.

**950 AMES AVENUE
MILPITAS, CA 95035
PHONE: 408-942-8955
FAX: 408-942-1499**



October 24, 1997

Blymyer Engineers, Inc.
ATTN: Mark Detterman
1821 Clement Ave.
Alameda, CA 94501-1395

Dear Mr. Detterman:

This letter is to confirm drum removal at 324 Union Street in Oakland. Four soil and seven water drums were removed from the site on 10/22/97. The water has been disposed at McKittrick Waste Treatment Site. The soil has been approved for McKittrick Waste Treatment Site and is currently pending disposal. A copy of the non-hazardous waste transport form will be forwarded to you as soon as it is available.

Call with any questions.

Sincerely,

A handwritten signature in cursive script that reads "Lyja".

Lyja Bautista
Project Manager