

# ENVIRONMENTAL PROFILES, INC.

Site Assessments \* Remedial Investigation Feasibility Studies \* Soil and Water Sample Collection \* Compaction Testing

fo 465

## MONITOR WELL ABANDONMENT

### REPORT

Ameriflight, Inc.  
Oakland Airport, Hanger 2  
9171 Earhart Road  
Oakland, California 94621  
StID # 3977

Alameda County  
SEP 05 2003  
Environmental Health

EPI Project File: 46591.well-abandon

*Prepared For:*

Mr. Mark Livingston  
AT Systems, Inc.  
3280 E. Foothill Boulevard, Suite 290  
Pasadena, CA 91107

*Submitted To:*

Mr. Barney Chan  
Alameda County Health Care Services Agency  
Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502 - 6577

August 29, 2003

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# Environmental Profiles, Inc.

5480 Katella Avenue, Suite 211, Los Alamitos, CA 90720-2834 \* (562)493-2190 \* FAX (562)430-5177

Project Name: Ameriflight, Inc. (Oakland)

Job#: 46591

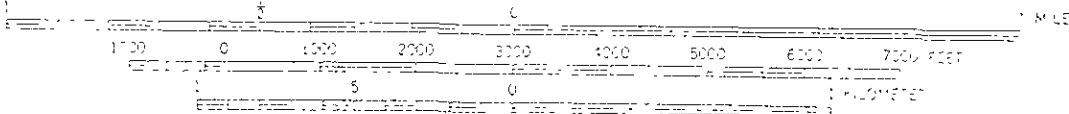
Location: 9171 Earhart Road, Hangar 2, Oakland, California

Map Source: USGS 7.5 Minute Series, San Leandro Quadrangle, Photorevised 1980

## Figure 1 - Area Map

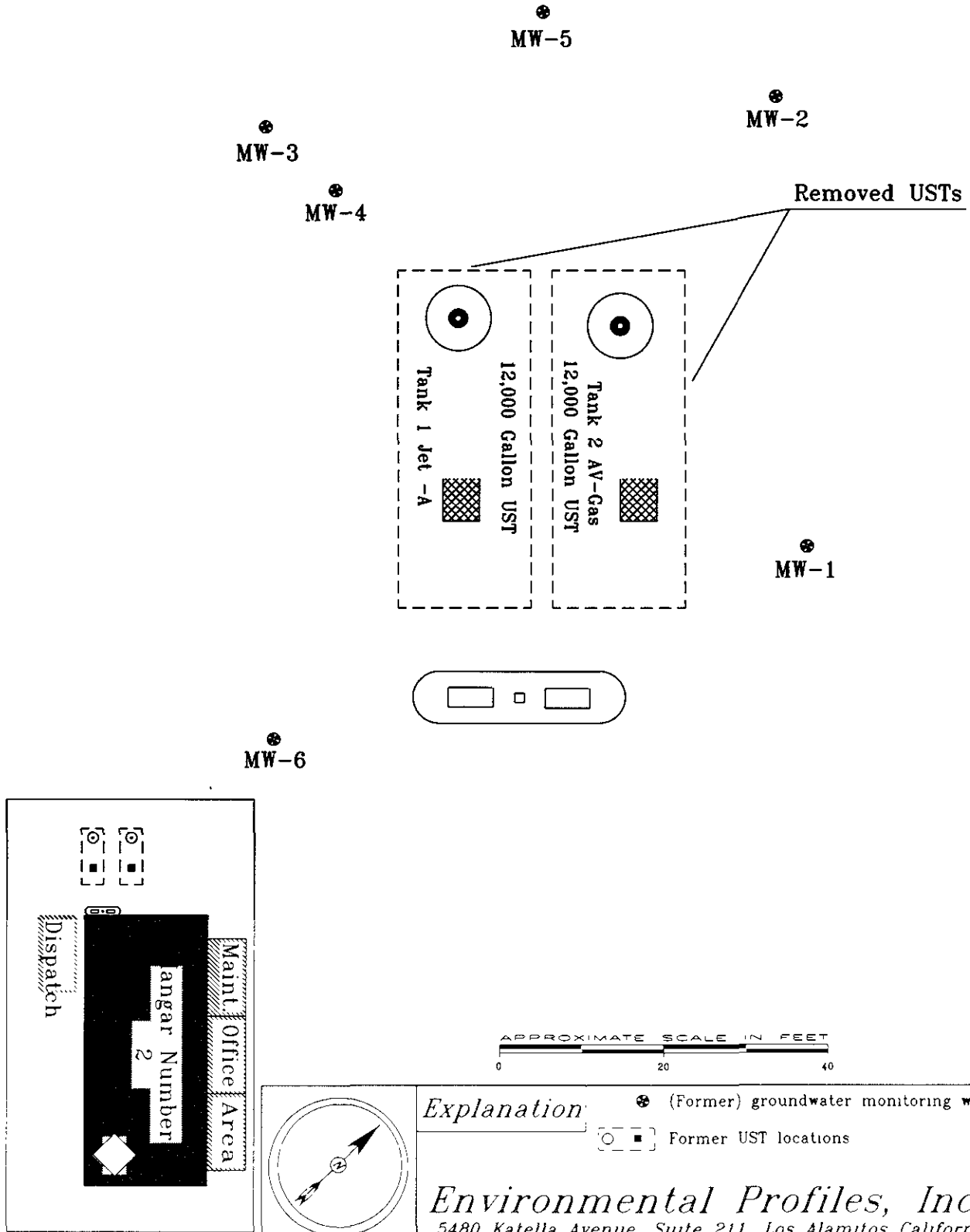


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Ameriflight Inc. Oakland  
 9171 Earhart Road, Hangar Number 2  
 Oakland, California 94621

Figure 2 - Site Diagram



*Explanation*

- ⊗ (Former) groundwater monitoring well locations
- ⊠ Former UST locations

*Environmental Profiles, Inc.*  
 5480 Katella Avenue, Suite 211, Los Alamitos California  
 (562) 493-2190\*\*\* FAX (562) 430-5177



### **3.3 Well Destruction Permitting**

Permitting to abandon each of the on-site groundwater monitor wells was accommodated by James Yoo of the Alameda County Public Works Agency. A copy of the original well installation permit and Department of Water Resources (DWR) form 188 is presented in Appendix B - Well Destruction Documentation.

### **3.4 Drillers**

On February 23, 2001 an EPI Geologist was on Site to supervise the destruction and removal of the groundwater monitor wells as depicted in Figure 2 - Site Diagram. EPI subcontracted Exploration Geoservices, Inc., San Jose, California in possession of California drillers licence C-57-484288 to perform all drilling and removal activities.

### **3.5 Well Destruction and Removal**

A Mobile B-45 type drill rig equipped with 8-inch outside diameter hollow stem augers was utilized to destroy each well and seal. Each traffic rated protective well box and surrounding concrete was removed from each well location prior to "over drilling" the well.

Following removal of the protective box, each wells annular seal was "over drilled" to a total depth of approximately sixteen (16) feet below grade surface (bgs) with the hollow stem augers as necessary to remove the grout and annular sand. The entire casing length (approximately 15 feet) was then extracted from the well boring.

Following well casing extraction, each of the well borings was slurried to approximately eight (8) inches from grade surface with ready mix rapid set concrete. The abandoned well borings were subsequently finished to grade surface with approximately eight (8) inches of asphalt cold patch to match existing top cover. The boring logs documenting the abandonment of each of the on-site groundwater monitoring wells is provided in Appendix C - Well Destruction Logs.

### **3.6 Debris Removal**

All waste generated during well abandonment activities was stored on-site in 55-gallon, DOT approved 17h open top steel drums pending characterization and coordination for disposal. Each drum was ultimately trucked off-site on April 18, 2001 for disposal by Asbury Environmental Services. A copy of the Uniform Hazardous Waste Manifest attesting to the disposition of the waste is presented in Appendix D - Waste Disposal Manifest.

#### 4.0 CONCLUSION

The removal of each of the six (6) on-site groundwater monitoring wells concludes all post UST installation monitoring and Site work. As such, EPI requests the project Site be granted a "no further action" (NFA) status with Alameda County Health and the Regional Water Quality Control Board.

Should you have any questions or require additional information regarding this project, please contact the undersigned at (562) 493-2190 during normal business hours. Thank you.

Prepared by:



Mark C. Bartee  
Senior Geologist,  
Registered Environmental Assessor 06950

Reviewed by:



Matthew J. Walker  
Principal Engineer,  
California Civil Engineer 37369

cc: Mr. Dale Klettke  
Port of Oakland  
530 Water Street  
Oakland, CA 94607

Mr. James Yoo  
Alameda County PW Agency  
Water Resources Section  
399 Elmhurst Street  
Hayward, CA 94544

**APPENDIX A**  
**Well Closure Directive**



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

November 15, 2000  
StID # 3977

Ameriflight, Inc. c/o  
Mr. Tony Ortega  
4700 Empire Ave., Hangar 1  
Burbank, CA 91505

Port of Oakland  
Mr. Dale Klettke  
P.O. Box 2064  
Oakland, CA 94607-2064

**Re: Closure of Monitoring Wells at 9171 Earhart Rd., Oakland CA 94621**

Dear Messrs. Ortega and Klettke:

Our office has received concurrence from the Regional Water Quality Control Board on our recommendation for site closure of the above referenced location. Prior to issuing the closure letter, our office requests the proper closure of the six (6) existing monitoring wells installed on this site.

You may contact Alameda County Public Works Water Resources Section at (510) 670-5554 for specific requirements of well closure.

Please contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

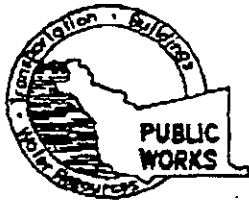
C: B/Chan, files

Mr. M. Walker, Environmental Profiles, Inc., 5480 Katella Ave., Suite 211, Los Alamitos,  
CA, 90720-2834

wlclrq9171Earhart

# **APPENDIX B**

## **Well Destruction Documentation**



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

**WATER RESOURCES SECTION**  
351 TURNER COURT, SUITE 308, HAYWARD, CA 94545-2651  
PHONE (510) 678-5248 MARLON MAGALLANES/CINDY HUTCHINSON  
FAX (510) 678-5263

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Amalgam - Oakland  
9171 EARHART ROAD, HUNGER #2  
OAKLAND, CA 94621

FOR OFFICE USE

PERMIT NUMBER 99 WR 720  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

CLIENT  
Name EPI  
Address 540 KATELLA AVE, #211 Phone (925) 493-2190  
City LOS ALAMITOS, CA Zip 90720

APPLICANT  
Name SAME AS ABOVE Fax (925) 438-3177  
Address \_\_\_\_\_ Phone \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_

### TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Monitoring	<input checked="" type="checkbox"/>	Well Destruction	<input type="checkbox"/>

### PROPOSED WATER SUPPLY WELL USE - NA

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other	<input type="checkbox"/>

### DRILLING METHOD:

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input checked="" type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>	U.S.	

DRILLER'S LICENSE NO. (C-57) 484288

### WELL PROJECTS

Drill Hole Diameter	<u>8 1/2</u> in.	Maximum	
Casing Diameter	<u>2</u> in.	Depth	<u>16</u> ft.
Surface Seal Depth	<u>5</u> ft.	Number	<u>6</u>

### GEOTECHNICAL PROJECTS

Number of Borings	_____	Maximum	
Hole Diameter	_____ in.	Depth	_____ ft.

ESTIMATED STARTING DATE 12.16.99  
ESTIMATED COMPLETION DATE 12.16.99

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68

APPLICANT'S SIGNATURE Mark B. ... DATE 12.12.99

### PERMIT CONDITIONS

Circled 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. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling 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 cement grout placed by tremie.
  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 specially approved.
- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
  1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
- D. GEOTECHNICAL**  
Backfill bare hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.
- E. CATHODIC**  
Fill hole above anode zone with concrete placed by tremie.
- F. WELL DESTRUCTION**  
See attached.
- G. SPECIAL CONDITIONS**

APPROVED Shambhoo Bell DATE 12-14-99

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**APPENDIX C**  
**Well Destruction Logs**















# **APPENDIX D**

## **Waste Disposal Manifest**

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7350

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CAD98362918952679		Manifest Document No. 1		2. Page 1		Information in the shaded areas is not required by Federal law.			
3. Name and Mailing Address AMERIFLIGHT 8171 EARHART RD OAKLAND CA 94621				A. State Manifest Document Number 20552679							
4. Generator's Phone   510 549-8000				B. State Generator's ID							
5. Transporter 1 Company Name ASBURY ENVIRONMENTAL SERVICES				6. US EPA ID Number CAD028277036							
7. Transporter 2 Company Name				8. US EPA ID Number							
9. Designated Facility Name and Site Address DIX ENVIRONMENTAL 3650 E. 26TH STREET LOS ANGELES CA 90023				10. US EPA ID Number CAT080033681							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number	
NON RCRA HAZARDOUS WASTE SOLID, (OIL CANS)				015 DM 01500		P		NONE		State EPA/Other	
NON RCRA HAZARDOUS WASTE SOLID (ABSORBENT/OIL)				003 DM 00450		P		NONE		State EPA/Other	
NON RCRA HAZARDOUS WASTE SOLID (DIRT/OIL)				005 DM 02000		P		NONE		State EPA/Other	
WELL ABANDONMENT WASTE / SOIL / CEMENT										State EPA/Other	
16. Additional Descriptions for Materials Listed Above 11A, 11B, 11C. 1B) 290524-16AC 11B) 280212-08AC				K. Handling Codes for Wastes Listed Above a. b. c. d.							
15. Special Handling Instructions and Additional Information GLOVES & GOGGLES EMERGENCY CONTACT 310-468-5010 NAERG 171											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name G. BOND				Signature <i>[Signature]</i>				Month Day Year 04 18 01			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GABRIEL ARANDA				Signature <i>[Signature]</i>				Month Day Year 04 18 01			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest (except as noted in item 13) Printed/Typed Name											
Signature								Month Day Year			

DO NOT WRITE BELOW THIS LINE.