



Environmental
Science &
Engineering, Inc.

April 26, 1996

STID 307

Ms. Susan Hugo
Alameda County Environmental Health Division
Environmental Protection Services
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

ENVIRONMENTAL
PROTECTION
96 APR 26 AM 11:01

**SUBJECT: REPORT OF WELL DESTRUCTION
PRAXAIR/ALTAIR BAYOX
1171 OCEAN AVENUE
OAKLAND, CALIFORNIA
ESE PROJECT. NO. 6935082**

Dear Ms. Hugo:

Environmental Science & Engineering, Inc. (ESE) has prepared this report documenting the destruction of well PA-1 at the subject site (see attached Figure 1 and Figure 2 for site location and location of monitoring well). This work was performed to fulfill site closure requirements presented in the letter to Praxair/Altair Bayox from the Alameda County Environmental Health Division dated April 1, 1996.

The destruction of well PA-1 was performed under permit No. 96297 from Zone 7 Alameda County Flood Control District. The work was performed on Thursday April 11, 1996 by the licensed drilling firm of Soils Exploration Services (SES) under the supervision of an ESE representative. The 28-foot hole was backfilled with neat cement with the upper 1-2 feet completed to grade with concrete.

This work completes the final requirement for site closure. Should you have any questions please call one of the undersigned at (510) 685-4053.

Sincerely,

ENVIRONMENTAL SCIENCE & ENGINEERING INC.

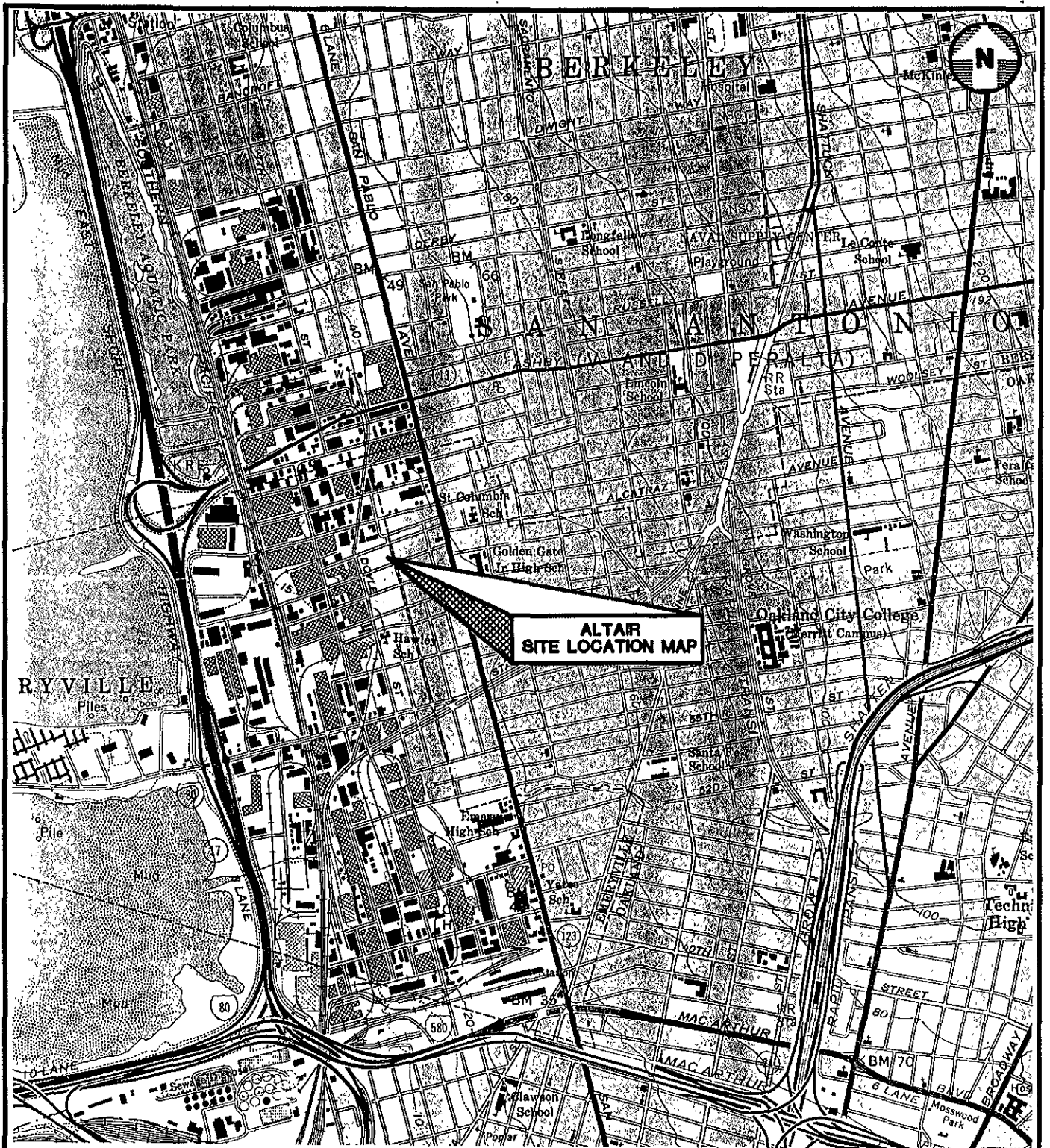
Mac Qadir
Project Manager

David J. Blunt RG 4516
Senior Geologist

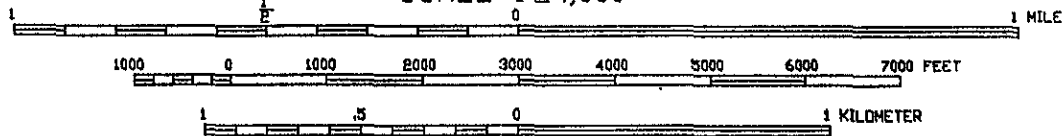
Attachment: Figures 1 and 2
Well Destruction Permit

cc: Joe Lopez, Praxair, Inc.


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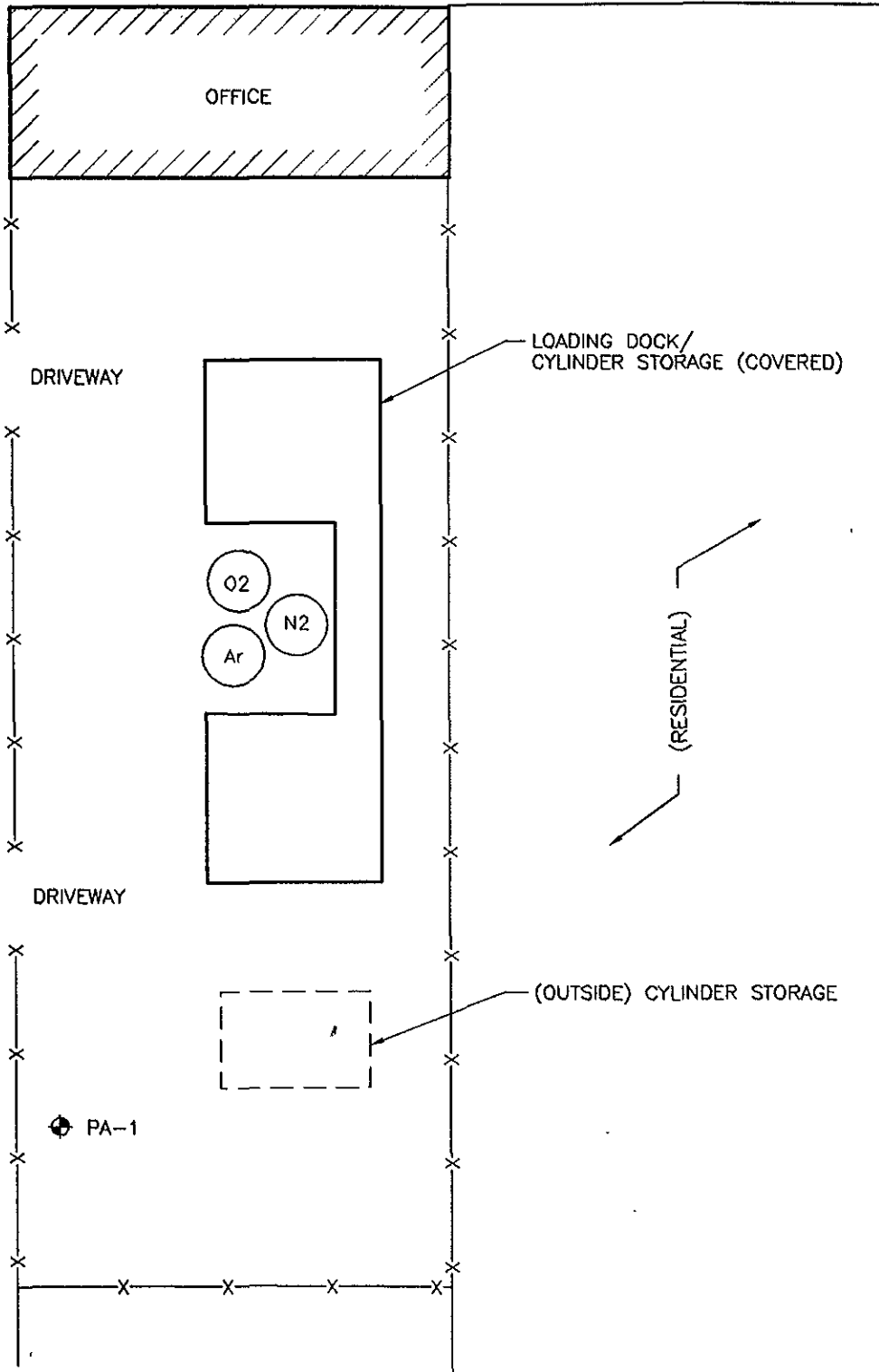
SCALE 1:24,000



SOURCE: U.S.G.S. 7.5 QUADRANGLE MAP, OAKLAND WEST, CALIF. 1956, PHOTOREVISED 1980.

 <p>Environmental Science & Engineering, Inc.</p> <p>A CILCORP Company</p>	DATE	06/93	<p>SITE LOCATION MAP</p>	FIGURE NO.	<p>1</p>
	REVISED	10/93		<p>ALTAIR 1171 OCEAN AVENUE OAKLAND, CALIFORNIA</p>	
<p>4090 NELSON AVENUE, SUITE J CONCORD, CA 94520</p>	GAD FILE	50821001			6-93-5082

MARSHALL STREET



LEGEND

⊕ GROUND WATER MONITORING WELL

—X— FENCE

SCALE



SOURCE FOR SITE MAP IS URIAH ENVIRONMENTAL SERVICES



**Environmental
Science &
Engineering, Inc.**

DATE
2/7/95

REVISED

CAD FILE
50820039

SITE MAP

ALTAIR
1171 OCEAN AVENUE
OAKLAND, CALIFORNIA

FIGURE NO.

2

PROJ. NO.
6-93-5082

4090 NELSON AVENUE, SUITE J
CONCORD, CA 94520



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94566

(415) 484-2800 (510) 462-3914

GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

(1) LOCATION OF PROJECT PRAXAIR 1171 OCEAN AVENUE OAKLAND, CALIFORNIA

PERMIT NUMBER 96297 LOCATION NUMBER 1S/4W-15B80

(2) CLIENT NAME PRAXAIR c/o JOHN BELLECI Address 1171 OCEAN AVE Phone 510 547 8337 City OAKLAND CA ZIP

PERMIT CONDITIONS

Circled Permit Requirements Apply

(3) APPLICANT Name David Blum Environmental Science & Engineering Inc. Address 4949 Nelson Ave Ste 1000 City Concord CA ZIP 94520

- A. GENERAL 1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date. 2. Submit to Zone 7 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 WELLS, INCLUDING PIEZOMETERS 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, irrigation, and monitoring wells unless a lesser depth is specially approved. C. GEOTECHNICAL. Backfill bore 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. D. CATHODIC. Fill hole above anode zone with concrete placed by tremie. E. WELL DESTRUCTION. See attached.

(4) DESCRIPTION OF PROJECT Water Well Construction Geotechnical Investigation Cathodic Protection General Well Destruction Contamination X One (1) 2-inch monitoring well to be removed

(5) PROPOSED WATER WELL USE Domestic Industrial Irrigation Municipal Monitoring Other

(6) PROPOSED CONSTRUCTION Drilling Methods: Mud Rotary Air Rotary Auger Cable Other Soils Exploration Services DRILLER'S LICENSE NO. CS7 582696

WELL PROJECTS Drill Hole Diameter In. Maximum Casing Diameter 2 In. Depth ft. Surface Seal Depth ft. Number 1

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

(7) ESTIMATED STARTING DATE 4/11/96 ESTIMATED COMPLETION DATE 4/11/96

(8) I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-58.

APPLICANT'S SIGNATURE [Signature] Date 4/8/96

Approved [Signature] Wyman Hong Date 22 Apr 96