

Pacific Gas and Electric Company

One California Street, Room 234
Mail Code F2B
P.O. Box 770000
San Francisco, CA 94177
415/973-5615

ALCO
HAZMAT

November 30, 1993

93 DEC -6 PM 1:47



Mr. Paul Smith, Hazardous Material Specialist
Alameda County Health Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 350
Oakland, CA 94621

Dear Mr. Smith:

Subject: Distribution Construction Site, 4930 Coliseum Way, Oakland, CA 94610
Quarterly Groundwater Monitoring Report for Lead

Pacific Gas & Electric is submitting the "Groundwater Monitoring Report for Lead at the aforementioned address with respect to the directive issued by the Alameda County Health Care Agency and PG&E's letter to Alameda County dated April 12, 1993.

The groundwater samples were collected from three monitoring wells including the Well W-8, which was installed in February 1993 at the direction of the aforementioned agency with all required permits being obtained and submitted.

All collected groundwater samples were analyzed by GeoAnalytical Laboratories, San Ramon, California for lead using the EPA 7421 criteria for lead. The laboratory results are presented in the attached report in Appendix A along with the chain-of-custody documentation.

The results of the analytical data indicate that lead was not detected about 10 ug/L (method detection limit) in any of the sampled wells. Wells OW-2, OW-5, and OW-8 are scheduled to be sampled again for lead during the next quarter sampling, which will be in January 1994.

Should you have any questions with respect to this information, please contact me at (415) 973-5615.

Sincerely,

A handwritten signature in black ink, appearing to read 'Wally A. Pearce', is written over a circular scribble.

Wally A. Pearce

WAP:kmb

Attachment

cc: Richard C. Hiatt - Regional Quality Control Board
Steve Fotheringham
Bill McLoughlin

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Quarterly Groundwater Monitoring for Lead

October 1993

PG&E
DISTRIBUTION CONSTRUCTION
4930 Coliseum Way
Oakland, California

Prepared by:

THE EARTH TECHNOLOGY CORPORATION
2030 Addison Street, Suite 500
Berkeley, CA 94704

Report issued:
November 11, 1993

690262.03

1.0 BACKGROUND

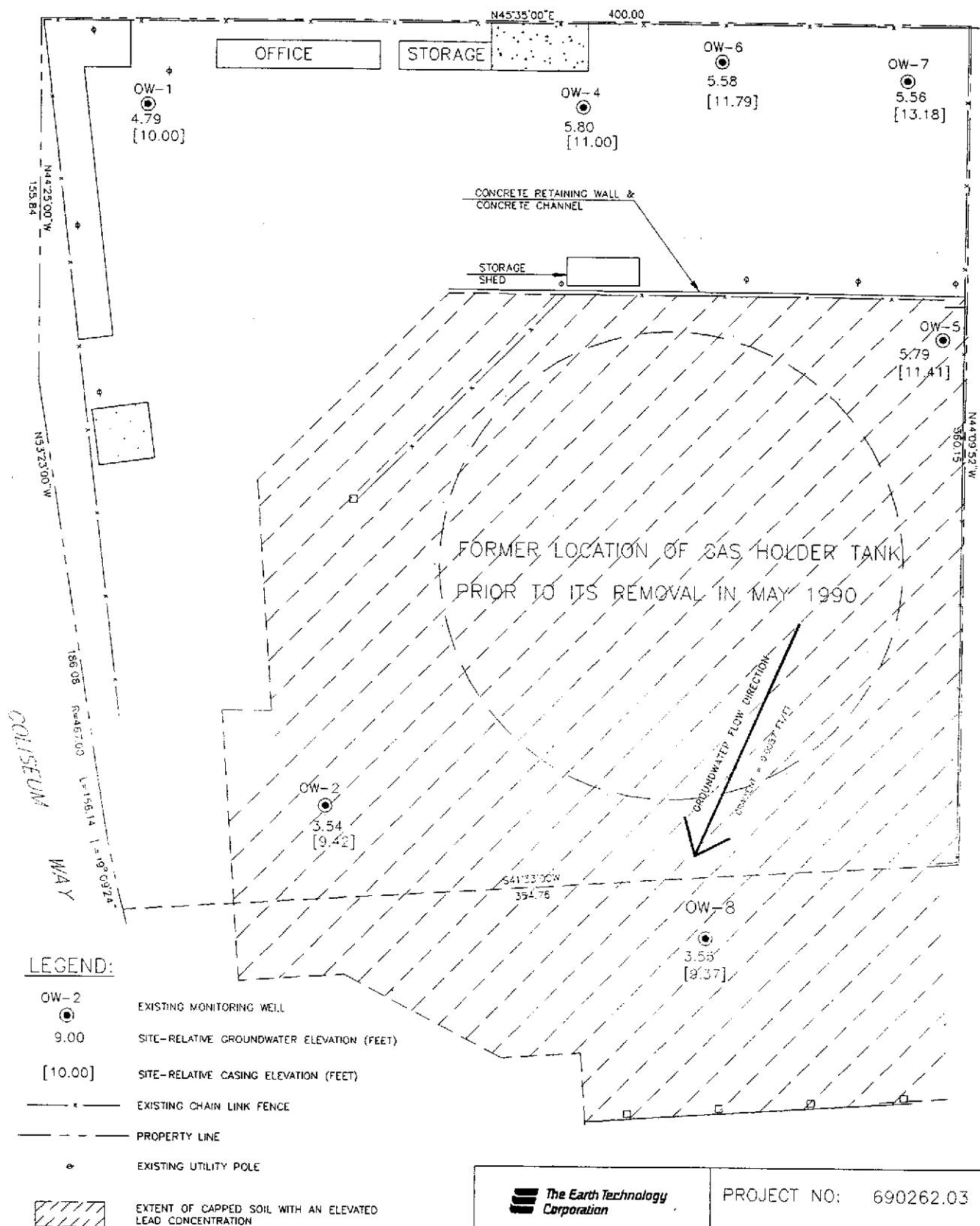
This report presents the results of the quarterly groundwater monitoring performed in October 1993 at the PG&E Distribution Construction Site in accordance with the directive issued by the Alameda County Health Care Agency and a PG&E letter to the Alameda County dated April 12, 1993. The yard is located at 4930 Coliseum Way in Oakland, California.

In accordance with PG&E's letter dated April 12, 1993, groundwater samples were collected from the three monitoring wells OW-2, OW-5 and OW-8. All three wells are located in the area where soil has been contaminated by lead paint chips probably generated from historic maintenance operations involving sandblasting of a large aboveground natural gas storage tank (see Figure 1.1). Reports summarizing activities on the site were previously submitted to the County.

Sampling Activities and Results

Prior to the collection of groundwater samples, water level measurements from each well were collected. The calculated groundwater gradient and flow direction based on the groundwater elevations in wells OW-2, OW-5 and OW-8, are shown on Figure 1.1.

Prior to the collection of samples, three to six casing volumes of groundwater were purged with a bailer from each well. The pH was periodically monitored for stability to ensure that all of the static water from the well was removed. The groundwater sample was then collected. One sample was collected from each well plus one duplicate was collected from OW-8 for QA/QC purposes.



FORMER LOCATION OF GAS HOLDER TANK
PRIOR TO ITS REMOVAL IN MAY 1990

GROUNDWATER FLOW DIRECTION
GRADIENT = 0.0037 F/FT

**FIGURE 1.1 GROUNDWATER
ELEVATIONS AND GRADIENT
ON OCTOBER 19, 1993**

PG&E DISTRIBUTION CONSTRUCTION, OAKLAND, CALIFORNIA

OW-1 4.79 [10.00]
OW-4 5.80 [11.00]
OW-6 5.58 [11.79]
OW-7 5.56 [13.18]

OW-5 5.79 [11.41]

OW-2 3.54 [9.42]

OW-8 3.53 [9.37]

N44°25'00"W
155.84

N33°23'00"W

186.06 R=4657.00
L=156.14 I=19°09'24"

COLISEUM
WAY

N45°35'00"E 400.00

N44°09'52"W
560.15

CONCRETE RETAINING WALL &
CONCRETE CHANNEL

STORAGE
SHED

OFFICE

STORAGE

The groundwater samples collected from each well were sent to Chromalab, Inc., Environmental Laboratories, San Ramon, California, and were analyzed by GeoAnalytical Laboratories, Inc. Certified laboratory results are presented in Appendix A along with the chain-of-custody documentation.

Sampling Results

Lead was not detected over 10 $\mu\text{g/L}$ (Method Detection Limit) in any of the three monitoring wells. Wells OW-2, OW-5 and OW-8 are scheduled to be sampled again for lead during the next quarterly sampling event in January 1994.

APPENDIX

ANALYTICAL LABORATORY REPORTS



GeoAnalytical Laboratories, Inc.

1031 Kansas Avenue
Modesto, CA 95351

Phone: 572-0900
FAX: 572-0916

REPORT


Report # E298-07
Client: ChromaLab
2239 Omega Rd Ste 1
San Ramon CA 94583

Date: 10/26/93
Date Received: 10/25/93
Date Started: 10/25/93
Date Completed: 10/26/93

Project Name:

Project # 9310236

Sample ID	Lab ID	Detection Limit mg/L	Method	Analyte	Results mg/L
OW-5	E35962	0.01	7421	Lead	ND
OW-8	E35963	0.01	7421	Lead	ND
OW-8A	E35964	0.01	7421	Lead	ND
OW-2	E35965	0.01	7421	Lead	ND


Ramiro Salgado
Chemist

Certification # E757


Donna Allsup
Laboratory Director

