JONAS & ASSOCIATES INC.
Environmental Consultants

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Ms. Eva Chu
Alameda County Health Agency
Department of Environmental Health
80 Swan Way, Room 350
Oakland, California 94621
(510) 271-4530

August 18, 1992
-- faxed and mailed --

Subject: Current Request to Cease Further Excavation
PACO Pumps' 9201 San Leandro Street Facility

Dear Ms. Chu:

Mr. Scott Liddicoat and I enjoyed meeting with you and Barney Chan concerning future actions at PACO Pumps 9201 San Leandro Street facility. The meeting was helpful and informative.

Attached is a figure which presents sampling results to date associated with the excavation activities. Also attached is the laboratory data sheet which presents the current round of sampling. Following is a summary of the results:

- **No tank** was found in the excavation, **only piping and debris.**
- No diesel was found in the initial samples analyzed for diesel.
- **Gasoline, benzene, ethyl benzene, toluene, and xylenes were identified in soil samples.**
- Elevated concentrations resulted in phased excavation activities.
- Dates of **excavations** include **6/29/92, 7/27/92, 8/3/92.** and **8/11/92.**
- Currently **~220 cubic yards have been excavated,** down to a depth of ~9'.
- Recent (8/11-12/92) sampling results are generally lower then the earlier samples.
- Following are highest concentrations which currently exists in the ground: TPH-G=13 mg/kg; benzene=2.100mg/kg;toluene=0.018mg/kg;ethylbenzene=0.340mg/kg;totalxylenes=0.190mg/kg.
- **Existing soil** concentrations from the walls of the excavation indicate that **higher concentrations appear to exist in locations adjacent to the building.** Currently, excavation has occurred up to four feet from the foundation of the building and subsequent excavation is not recommended because of the close proximity of the building.

Our recommendation is to not perform any further excavation of soils until the results of a proposed monitoring well are in. If concentrations are significantly elevated in groundwater, then we will probably recommend a groundwater remediation system. At that time, further consideration will be made concerning the additional excavation of soil. If this is approach is acceptable we would like to recommend to PACO that the hole be filled and then covered with an asphalt surface. The excavated soil will either be treated on-site and then used to fill the excavation or removed from the site for proper disposal or recycling.

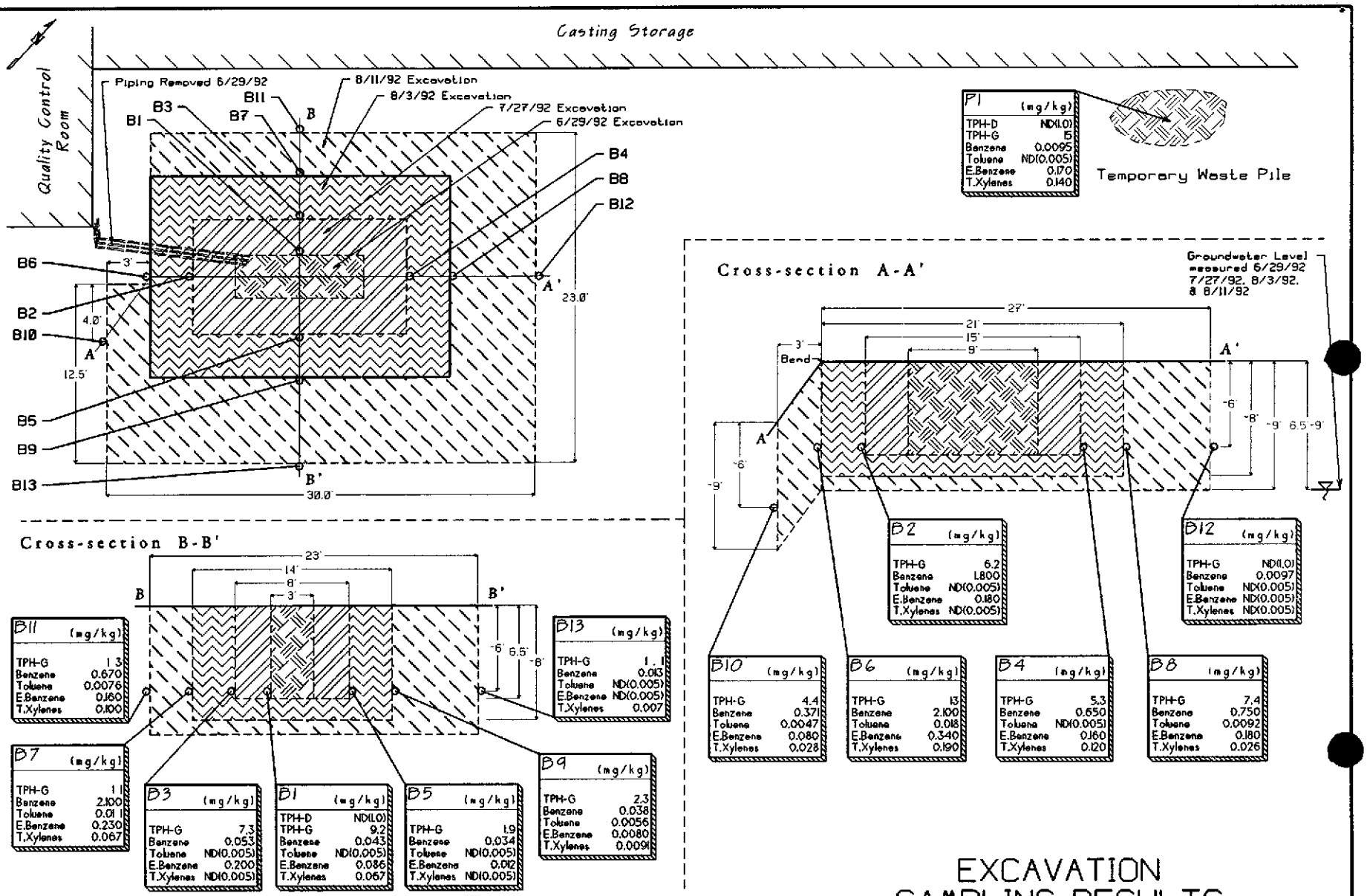
If you have any questions or comments, or you have made a determination on this issue, please contact us so we may recommend further actions.

Sincerely,
JONAS AND ASSOCIATES INC.

Mark Jonas

Mark L. Jonas
Project Manager

attachment: Figure E-1, & Laboratory results for 8/12/92 sampling effort



Drawn by AJ 8/12/92

Checked by Approved by

Drawing Number PC0221-8/92-E1

Figure E-1

Legend:

A —— A' Cross Sections

B3 Sample Number
B1 to B13: Soil Samples
P1: Pile Sample

Scale
5 0 5 10 Feet

ND(0.005) - Not Detected above the laboratory detection limit in parentheses.

Measurements were made with a tape measure and are approximate.

No tank was found in the excavation, only piping and debris.

Excavations occured on 6/29/92, 7/27/92, 8/3/92, & 8/11/92

EXCAVATION SAMPLING RESULTS

PACO PUMPS, INC.
9201 San Leandro Street
Oakland, California

Prepared by

JONAS & ASSOCIATES INC.

Date: 8/12/92	Figure E-1	Drawing Number
Locations Approx.		PC0221-8/92-E1

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

August 14, 1992 ChromaLab File No.: 0892087

JONAS & ASSOCIATES

Attn: Mark Jonas

RE: Four rush soil samples for Gas/BTEX analyses

Project Name: 9201 PACO UST REM
Project Number: PCO-221-01-UST
Date Sampled: Aug. 12, 1992 Date Submitted: Aug. 12, 1992
Date Analyzed: Aug. 14, 1992

RESULTS:

Sample I.D.	Gasoline (mg/Kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl Benzene (µg/kg)	Total Xylenes (µg/kg)
B10-81292-6'	4.4	371	4.7	80	28
B11-81292-6'	13	670	7.6	160	100
B12-81292-6'	N.D.	9.7	N.D.	N.D.	N.D.
B13-81292-6'	1.1	13	N.D.	N.D.	7.0
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	100%	111%	106%	104%	104%
DUP. SPIKE RECOVERY	----	107%	104%	103%	103%
DETECTION LIMIT	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/8015	8020	8020	8020	8020

ChromaLab, Inc.

Billy Thach
Analytical Chemist

Eric Tam
Laboratory Director

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