

Ro 2601

**geo - logic** *geotechnical and environmental consulting services*

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April 23, 2007

Mr. Steven Plunkett  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**RE: Revisions to Work Plan for Soil and Groundwater Investigation  
Allied Engineering Co., 2421 Blanding Avenue, Alameda, CA  
Fuel Leak Case No. RO0002601**

Dear Mr. Plunkett:

As requested in your previous letter dated April 10, 2007, Geo-Logic has prepared this response to your requests for revisions to our work plan for a soil and groundwater investigation at the above-referenced site. The following is our response to your technical comments:

Technical Comment No. 1 - An additional boring (B8) will be located adjacent to the south sidewall of the former tank pit, as shown on the revised Figure 1 (attached). Soils will be screened with a PID during drilling. If no staining, odor, or elevated PID readings are observed, soil samples will be collected from each boring at five feet bgs, at the capillary fringe immediately above the zone where groundwater is first encountered, and 12 to 15 bgs. Grab groundwater samples will also be collected.

Technical Comment No. 2 - To address the issue of metal shavings in historical fill material on the cut bank of the estuary, the following scope of work is proposed. Prior to drilling: the cut bank will be inspected during low tide and several soil samples will be obtained directly from the visible metal shavings. The samples will be composited as one at the analytical laboratory and analyzed for the Cam 17 metals. If chromium is detected, an analysis of Chromium VI will be performed. Based on those findings, the soils from boring B3 will be inspected and any areas with visible metal shavings will be analyzed for any metals that were detected in the composite sample above the Environmental Screening Levels (ESLs). The grab groundwater sample from B3 will also be analyzed for the Cam 17 metals.

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Technical Comment No. 3

During the previous investigation, none of the four soil samples yielded detectable concentrations of fuel oxygenates or lead scavengers by EPA Method 8260, although the samples were impacted by gasoline constituents. Therefore, if you concur, Geo-Logic proposes discontinuing the analyses for fuel oxygenates and lead scavengers (8260) of soil samples.

Technical Comment No. 4

The groundwater samples will be analyzed for all of the analytes listed in this Technical Comment.

Technical Comment No. 5

Hydrogeological cross-sections will be utilized in the report. A cross-section in the direction of groundwater flow and a cross-section perpendicular to the flow direction will be prepared.

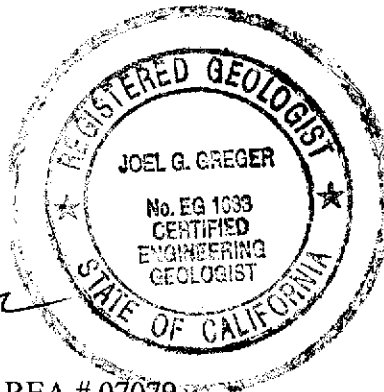
Technical Comment No. 6

Allied Engineering will upload the previous data and workplan, and the future technical report, to Geotracker.

Should you have any questions regarding the revisions to this work plan, please do not hesitate to call me at (510) 593-5382.

Sincerely,

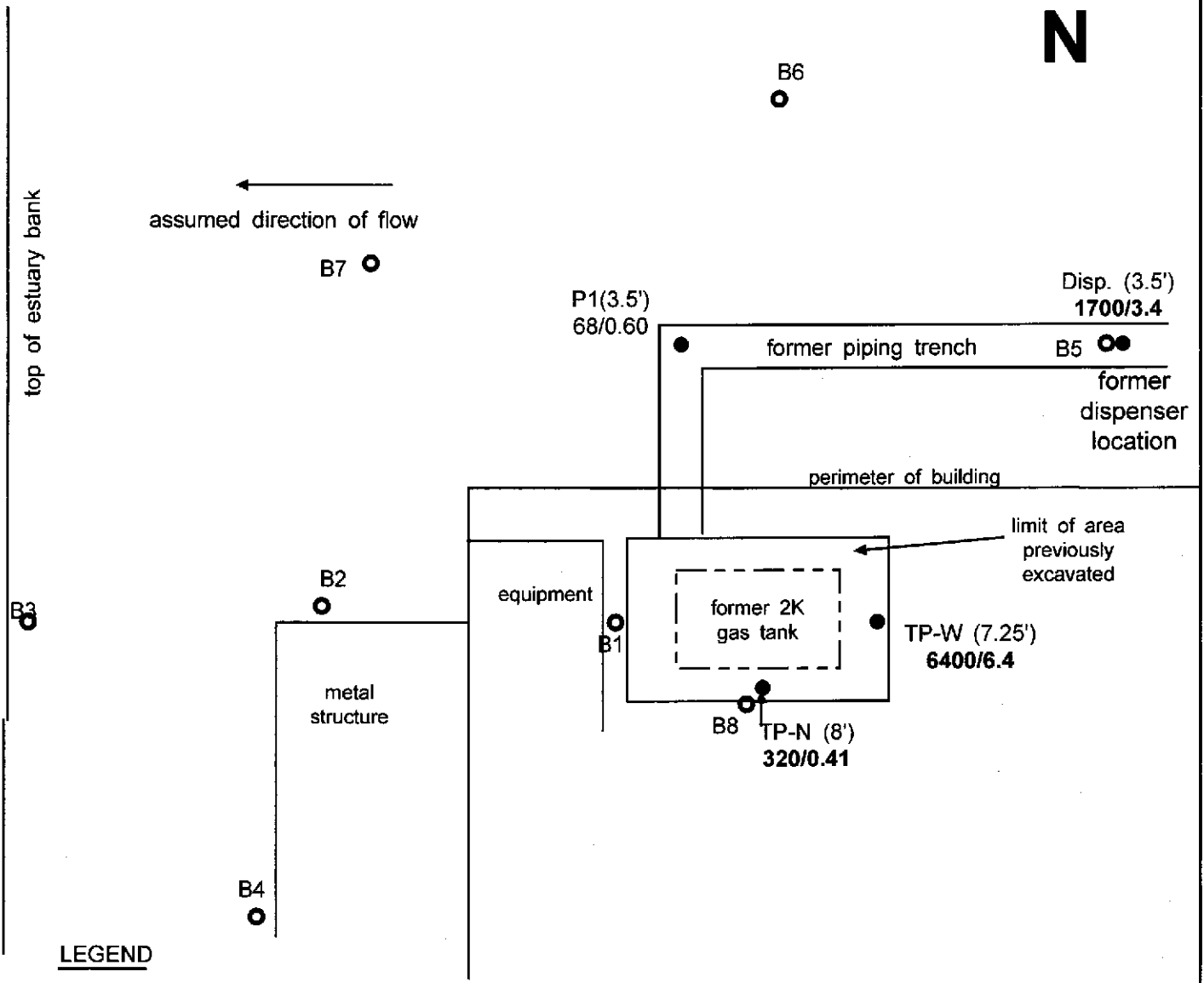
**Geo-Logic**



*Joel G. Greger*  
Joel G. Greger  
CEG # EG1633, REA # 07079

Attachments: Figure 1

cc: Mr. Dave Belcher, Allied Engineering



**LEGEND**

● soil sample, 1/7/04

**6400/6.4** concentration of TPH as gasoline/  
benzene, parts per million

○ exploratory boring, proposed

SCALE: 1" = 10'

Allied Engineering & Production Co.  
2421 Blanding Avenue  
Alameda, California

Figure No:

1

Date: April 23, 2007

Drawn By: JG/Geo-Logic

# Site Plan - Proposed Boring Locations