

**Date:** 4/14/98  
**To:** Rob Davis, EMCON  
**Cc:** Paul Supple, ARCO Products Company  
**From:** Scott Seery *SS*  
**RE:** Subgrade Utility Line Investigation Work Plan

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As we discussed today by telephone, I recently reviewed the July 2, 1997 EMCON work plan for assessing the presence of groundwater and fuel contaminants in the various utility corridors which pass beneath Lewelling Boulevard. The work plan indicates ground water will be sampled if encountered, and soil sampled, if not. The work plan indicates the closest utility corridor to the site will be assessed first (borings USB-1, -2, and -3), proceeding to more distant utility corridors and beyond should contaminants be discovered in previous sample locations.

The work plan specifies that, if groundwater is encountered, "...then a hydropunch or other groundwater sampling equipment will be used to collect a groundwater sample ..." Should groundwater not be encountered, the work plan indicates a native soil sample will be collected "...using geoprobe or other soil sampling equipment..."

Would you please describe in more detail how groundwater and soil samples would be collected, and the hardware used to facilitate collection of each? Thanks.

In addition, I intend to modify the approach for determining when or if additional proposed sample locations are to be implemented. Based on utility depth-of-burial information submitted in the EMCON work plan, the closest set of utilities to the site (storm sewer and natural gas) may or may not be inundated by groundwater seasonally based on their moderately shallow burial depths. The next set of utilities (sanitary sewer) is located in the center of Lewelling, and is buried significantly deeper. These are anticipated to be inundated by groundwater. Therefore, the initial six (USB-1 through USB-6) sample locations are to be implemented. ‡

Upon favorable review of this additional information, I will issue an official "acceptance" letter for this work plan to be implemented.

1998,04-14 15:45  
510 337 9335  
ALAMEDA CO EHS HAZ-OPS

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
280	5102998872	04-14 15:45	00' 33	01/01	OK		

ARCO

7499402045

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1998.04-14 15:45  
510 337 9335  
ALAMEDA CO EHS HAZ-OPS

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
279	4084379525	04-14 15:44	00' 37	01/01	OK		

*EMCON*

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