

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
(510) 337-9335 (FAX)

July 15, 1999

Interstate Brands Corporation  
Attn: Mr. Larry Brown  
1324 Arden Way  
Sacramento, CA 95815

**RE: Work Plan for Soil and Groundwater Sampling at the  
Former Continental Baking Co.  
1010 46<sup>th</sup> Street, Emeryville, CA 94608 (STID # 6400)**

Dear Mr. Brown:

This office has reviewed the Work Plan for Soil and Groundwater Sampling, dated July 7, 1999, prepared and submitted by URS Greiner Woodward Clyde for the above subject site. The work plan is acceptable provided the following issues are addressed:

1. Total Petroleum Hydrocarbon (TPH) as kerosene should be included as target analyte in soil and groundwater samples in addition to TPH diesel, benzene, toluene, ethyl benzene, xylene and methyl tertiary butyl ether (MTBE).
2. A minimum of one soil sample should be collected from the downgradient borings preferably at the soil / groundwater interface and analyzed for target compounds listed above.

Please notify this office at least 72 hours in advance of the scheduled field activity at the site.

If you have any questions about the content of this letter or the subject site, please call me at (510) 567-6780.

Sincerely,

  
Susan L. Hugo  
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB  
John Protopappas, Wayne Avenue Partners, 1155 5<sup>th</sup> St., Suite 101, Oakland, CA 94607  
Albert Ridley, URS Greiner WWC, 500 12<sup>th</sup> Street, Suite 200 Oakland, CA 94607  
SH / files

# **URS Greiner Woodward Clyde**

A Division of URS Corporation

500 12th Street, Suite 200  
Oakland, CA 94607-4014  
Tel: 510.893.3600  
Fax 510 874 3268  
*Offices Worldwide*

July 7, 1999  
41-07099010.00

Alameda County Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-8577

Attention: Ms. Susan Hugo  
Hazardous Materials Specialist

Subject: Proposed Work Plan for Soil and Groundwater Sampling at  
Former IBC Facility at 1010 46<sup>th</sup> Street  
Emeryville, California

Dear Ms. Hugo:

On behalf of Interstate Brands Corporation, URS Greiner Woodward-Clyde (URSGWC) is pleased to present this proposed work plan for soil and groundwater sampling and analysis at the former IBC Facility at 46<sup>th</sup> Street in Emeryville, California. This work is needed for case closure as required by the Alameda County Health Agency. Ms. Hugo has requested soil and groundwater testing at the location of a former 5,000 gallon standby fuel underground tank previously removed from the site. In a letter, dated May 18, 1999, Ms. Hugo requested that the presence of MTBE in soil and groundwater must be verified as a requirement for the case closure evaluation. Ms. Hugo also requested that soil and groundwater be analyzed for: TPH as diesel, kerosene, benzene, toluene, ethyl benzene, xylene, as well as MTBE. The disposition of the excavated soil must be identified. If the excavated soil was used for backfill, confirmation samples should indicate that the soil did not contain elevated levels of contaminants.

We have developed the following work scope to address these case closure issues. The proposed scope of work is described below:

## **SCOPE OF WORK**

### **Task 1- Soil and Groundwater Sampling**

Borings will be drilled at four locations near the former underground tank location using the Envirocore method of direct push drilling to advance the boreholes. One boring will be drilled into the backfill of the former tank location to collect a sample of the backfill material, and a groundwater sample. One boring will be drilled upgradient of the former

tank location to collect an upgradient groundwater sample. Two borings will be drilled downgradient of the former tank location to collect groundwater in the downgradient location. The planned boring locations are shown on the attached figure. One soil sample will be collected from a depth of about five feet in the first boring using a drive sampler lined with a plastic liner. The soil sample will be retained in the plastic liner and will be capped and labeled and placed in an ice-chest for transport to the laboratory.

The groundwater gradient at the adjacent IBC facility located about 250 feet to the north has been established over a period of five years of quarterly groundwater monitoring of three existing groundwater monitoring wells. That gradient has been consistently towards the southwest. Because the groundwater flow direction is consistent with the regional trend of the broad Bay Plain we believe that the measured groundwater gradient at the adjacent IBC facility is also representative of the gradient at this site.

Prior to drilling we will retain an underground utility locator company to survey the area of the planned borings. Precision Sampling, Inc. will be subcontracted to perform the drilling and grab groundwater sampling. Precision will use their Envirocore drill rig to push a hollow casing rod down to the depth of sampling. The depth to water will be estimated from the nearby monitoring wells. A second rod will be pushed below the groundwater level through the outer casing. The outer casing will minimize contact between groundwater sampling rod and the native soil above the groundwater level. The casings will be steam cleaned prior to arrival on site and between borings. This method reduces the potential for cross-contamination during the drilling process.

A groundwater sample will be collected from each boring using a peristaltic pump and clean plastic tubing. The groundwater sample will be placed in clean sample containers provided by the laboratory. Each sample container will be labeled and will be placed on-ice in and ice chest for transport under chain-of-custody procedures to the analytical laboratory. A log of each boring will be prepared showing the materials encountered and the depth to groundwater. Each borehole will be backfilled with a cement/bentonite grout mixture, and the pavement will be patched. Waste soil and rinse water developed during site exploration will be placed in 55 gallon drums on site.

#### Task 2- Laboratory Testing

Each groundwater sample (4 grab samples) ,and one soil sample, will be analyzed in the laboratory using EPA Method 8015 modified to analyze for Total Petroleum Hydrocarbons as diesel and gasoline, and using EPA Method 8020 to analyze for benzene, toluene, ethylbenzene, and xylenes, and MTBE.

Task 3- Analysis and Report

The results of the analyses of the one soil and four grab groundwater samples will be presented in a report. The report will contain a map showing the boring locations, and a table summarizing the laboratory reports. Conclusions regarding the findings will be presented in the report.

ESTIMATED SCHEDULE

We estimate that we can complete this scope of work within 4 weeks following authorization from Alameda County to proceed. This work will be coordinated by Mr. Albert Ridley, C.E.G., in our Oakland Office. If you have any questions please call Jay Kamine at 916-569-5567, or Albert Ridley at 510-874-3125. We look forward to working on this interesting project.

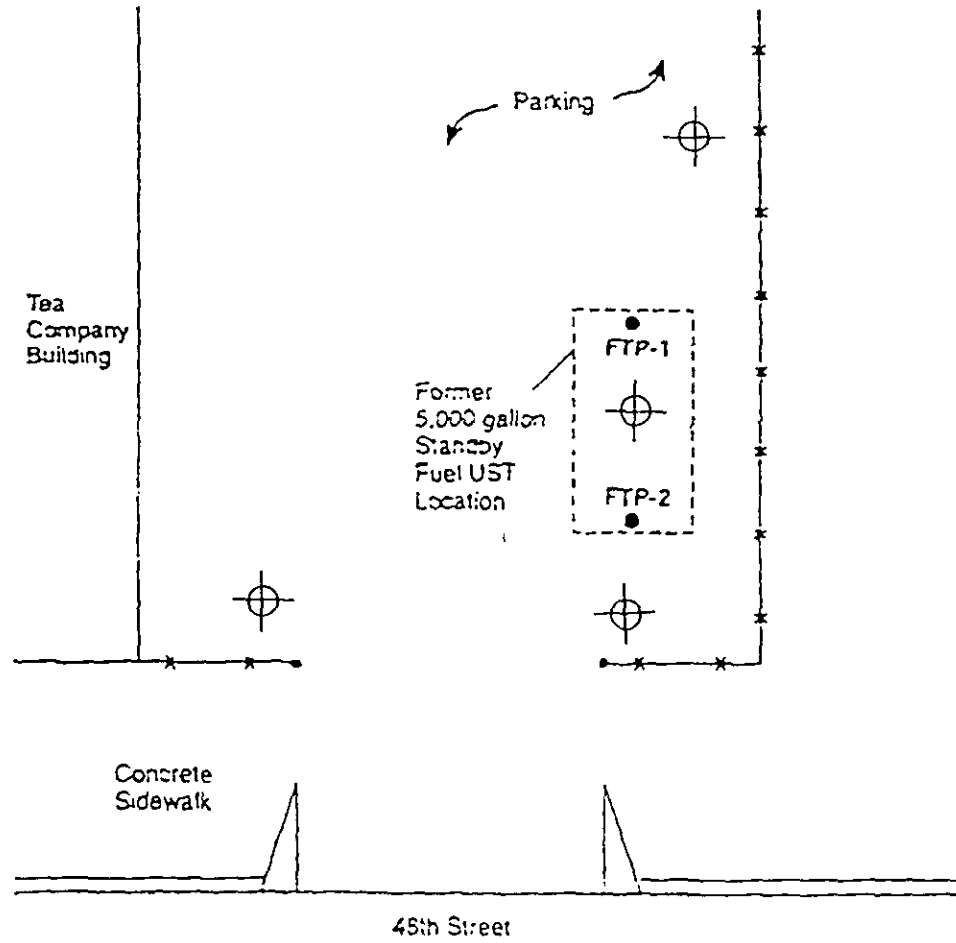
Sincerely,



Albert P. Ridley, C.E.G.  
Senior Project Manager

attachment: Figure 1 Planned Boring Locations

cc: Larry Brown, IBC



LEGEND

FTP-1 ● Closure Soil Sample Location



Proposed Boring

Project No. 41-07099010.00	Former IBC Site 1010 46th Street, Emeryville, California	PROPOSED BORING LOCATIONS	Figure 1
URS GREINER WOODWARD-CLYDE			