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Date	**August 17, 1994**		
Time	**2:55pm**		
From	**Ron Goloubow**		
Deliver To	**Susan Hugo**		
Name of Firm	**Alameda County Health Care Services Agency**		
FAX No.	**(510) 337-9335**	LF Project No.	**1649.36**

Number of Pages: This cover page plus **3** pages

Remarks:

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August 17, 1994 LF 1649.36

Ms. Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Second Floor
Alameda, California 94502

Subject: Results of the Soil Samples Collected from Test Pits Excavated Along the Southern Portion of Area C at the Yerba Buena/East Baybridge Project Site

Dear Kim:

Enclosed are the analytical results of soil samples collected from test pits excavated at the Yerba Buena/East Baybridge Center Project Site ("the Site"; Figure 1). This work was performed on August 9, 1994, in response to a request from Catellus Development Corporation ("Catellus").

Background

A tar-like substance was observed in soil in the Yerba Buena Street right-of-way during grading activities in early August 1994. Railroad ties were also present in this area. To further evaluate the substance, seven test pits were excavated at the locations illustrated on Figure 2.

Test Pits

Levine•Fricke personnel observed excavation of the test pits. Each pit was excavated to a depth ranging between 3 and 7 feet below ground surface (bgs). Based on visual observations made during excavation of the test pits, the tar material and tar-affected soil appeared limited to the upper 1 to 2 feet of soil at each pit.

One soil sample was collected from the base of each test pit. The samples were submitted to Inchcape Testing Services Anametrix Laboratories, a state-certified laboratory, for the analysis of total recoverable petroleum hydrocarbons (TRPH) and total petroleum hydrocarbons as diesel (TPHd).

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Results

Analytical results for TRPH and TPHd analysis are presented in the following table. Results are provided in parts per million (ppm).

Sample ID	Sample Depth (feet)	TRPH (ppm)	TPHd (ppm)
Toys 1	4	149	<10
Toys 2	8	97	<10
Test Pit 1	3.5	47	<10
Test Pit 2	6	820	160
Test Pit 3	6	2,000	390
Test Pit 4	4	57	<10
Test Pit 5	3	<30	<10

Based on visual observations and soil samples collected from test pits Toys 1 and 2, the tar-affected soil is not present in this portion of the Site.

Visual observations and analytical results for test pits 1, 2, 4, and 5 indicate the tar-affected soil is localized in the area of the Yerba Buena Street right-of-way (the former railroad track area) and is limited to the upper 2 to 3 feet of soil. Results for test pit 3 indicate the extent of the tar-affected soil is greater than 5 feet bgs in this area.

The concentrations of TRPH detected are below the site cleanup level of 1,000 ppm for TRPH for all samples except the sample collected from test pit 3. Similarly, the TPHd concentrations detected are below the cleanup level of 100 ppm for all samples except those collected from test pits 2 and 3.

Conclusions

Catellus proposes to address remediation of the tar-affected soil in the vicinity of test pits 2 and 3 in accordance with the regulatory-approved Soil Containment Plan. Soil containing concentrations of TRPH in excess of 1,000 ppm and TPHd in excess of 100 ppm will be capped in place beneath

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asphalt pavement of a roadway proposed for this area of the Site. Placement of the tar-affected soils beneath this impermeable cap will inhibit any potential migration of the tar-like substance to ground water.

If you have any questions or comments regarding this letter please call me at (510) 652-4500 or Ms. Kimberly Brandt at Catellus Development (415) 974-4500.

Sincerely,

Ron Goloubow
Senior Project Geologist

cc: Ms. Kimberly Brandt, Catellus Development
Mr. Sumadhu Arigala, RWQCB

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