



Camp Dresser & McKee Inc.

consulting
engineering
construction
operations

One Walnut Creek Center
100 Pringle Avenue, Suite 300
Walnut Creek, California 94596
Tel: 925 933-2900 Fax: 925 933-4174

to 6684

February 15, 2001

Mr. Barney M. Chan
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services/ Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Result of Soil and Groundwater Samples from Former Union Pacific
Railroad Site at BART Fruitvale Station, Oakland, California 94601
Site ID#6684 (CDM#8245-28614-WD21A.Resample2)

Dear Mr. Chan:

In response to your correspondence dated December 4, 2000, additional grab groundwater samples were collected at the Former Union Pacific Railroad Site to test for CAM metals. On January 22, 2001, samples were collected in the vicinity of the former exploration points, GW-1 through GW-3. Prior to CAM metals analysis, these samples were filtered through a 0.45-micron filter.

Table 3 from the *Report of Findings for Screening Level Soil and Groundwater Sampling, BART Fruitvale Station, Oakland, California - December 1, 2000* has been updated with the recent sampling data and is attached for your review. The filtered samples had fewer detectable metals than the non-filtered samples collected in September 2000. Only barium, cobalt, nickel, and zinc were above detection limits.

Final report results will be forthcoming. If you have any questions or would like to discuss this data, please contact either Kassandra Tzou or myself at 925-933-2900.

Very truly yours,

CAMP DRESSER & McKEE INC.

Michael G. Gray, C. E. G.
Program Director

cc: G. Jensen, BART
R. Arulanantham, SFRWQCB
M. Silva, Fruitvale Development Corp.

Table 3
Summary of Selected Grab Groundwater Analytical Results
BART Fruitvale Station

			TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (EPA 8020/8015M)								TOTAL CAM 17 METALS (ICP) (EPA 6010B/7471)														TDS (EPA 160.1)				
			GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENE(s)	MTBE	DIESEL	MOTOR OIL	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MOLYBDENUM	NICKEL	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC	MERCURY	TOTAL DISSOLVED SOLIDS	
			DETECTION LIMIT (ug/L)								DETECTION LIMIT (mg/L)														DETECTION LIMIT (mg/L)				
			50	0.5	0.5	0.5	0.5	5.0	50	500	0.005	0.005	0.005	0.005	0.002	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.0002	10
EXPLORATION POINT	SAMPLE ID	SAMPLE DATE	SAMPLE RESULTS (ug/L)								SAMPLE RESULTS (mg/L)														SAMPLE RESULTS (mg/L)				
GW-1	GW-1*	09/27/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.014	0.84	ND	ND	0.13	0.034	0.058	0.014	ND	0.27	ND	ND	ND	ND	0.092	0.11	0.0012	NA
GW-1	GW-1**	01/22/01	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.013	ND	380	
S2/GW-2	GW-2*	09/27/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.039	2.0	ND	ND	0.34	0.15	0.16	0.040	ND	0.90	ND	ND	ND	0.23	0.33	0.0011	NA	
S2/GW-2	GW-2**	01/22/01	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.15	ND	ND	ND	ND	ND	ND	ND	0.0094	ND	ND	ND	ND	0.013	ND	280	
GW-3	GW-3*	09/27/00	380	6.0	1.1	1.7	3.5	110	96	ND	ND	0.011	1.7	ND	ND	0.073	0.11	0.11	0.029	ND	0.56	ND	ND	ND	0.16	0.17	0.00059	NA	
GW-3	GW-3**	01/22/01	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.41	ND	ND	ND	0.014	ND	ND	ND	0.038	ND	ND	ND	ND	ND	ND	630	

Notes:
 Samples GW-1, GW-2, GW-3 were non-detect for SVOCs by EPA Method 8270A
 Samples GW-1, GW-2, GW-3 were non-detect for VOCs by EPA Method 8260A
 * = Samples collected on 9/27/00 were not filtered prior to metals analysis.
 ** = Samples collected on 1/22/01 were filtered prior to metals analysis.
 N/L = Not Listed
 NA = Not Analyzed
 ND = Not Detected
 mg/L = Milligrams per Liter
 ug/L = Micrograms per Liter

wait for final report: look @ chem fastly, analytical results & d.l.