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FACSIMILE TRANSMITTALDATE: 6-5-02 # of Pages (including cover page) 3TO: Ms. eva chu OF: Alameda Co Env. HealthFAX NO: 3379335FROM: Joel Greger RE: 4575 San Pablo

As shown on the attached table, there is a correlation between a high water table and high concentrations of hydrocarbons in MW1A. The high concentrations in the three 1998 events were at elevations (35.53 to 37.51 feet) that are now only reached seasonally, in the spring, which are the times of the highest concentrations now seen. In general, groundwater stays 3 to 6 feet lower. However, when comparing the 1998 concentrations to the seasonal highs, there is still a significant drop even to these seasonal highs. The wells are located laterally the same distance from the source, and about six feet apart, so that should not be a factor. The source removal and watering for compaction during fill placement, and ongoing attenuation, would likely be factors in reducing the concentrations.

Attached is my field log from the installation of MW1A. there was a slight? odor at the sample collected at 5 feet, and a significant odor at 9-10', which was just above the water table on that date.

Please call if you have questions. I can be reached at (510) 787-6967, or on my cell phone at (510) 593-5382.

SAMPLE NO. SAMPLE TYPE	BLOWS PER 8 INCHES	POST-N	INCHES DRIVER	INCHES RECOVERED	NUMBER OF RINGS	DEPTH IN FEET	WELL OR PIEZOMETER CONSTRUCTION	GRAPHIC LOG	LOG OF BORING No. <u>MW1 A</u>		TESTS
									DATE DRILLED: <u>7/30/99</u>	EQUIPMENT: <u>hollow stem auger #19 Woodward Drilling</u>	
									DESCRIPTION: <u>0-4' rocks fill material bank at site. Heavy silt, scattered w brick debris, sand gravel</u>		
<u>MC</u>	<u>4/6/9</u>					<u>5</u>	<u>Fill</u>		<u>blenny silt (m.l), dark gray (7.54R N 41) moist, stiff. silt - 10% clay, trace fine sand. sl. - color of hydro carbons</u>		<u>sl. clay</u>
	<u>7/8/20</u>					<u>10</u>	<u>ML</u>		<u>29 CI silt (m.l) w ground gray (7.54R N 61) 1. moist stiff, est. 10% silt & 30% gravel to 1" φ, w/ok. a strong odor of hydro carbons</u>		<u>sl. clay</u>
						<u>15</u>					
						<u>20</u>			<u>78-17'</u>		
						<u>25</u>			<u>Screen 4'-17' 0.0/0 slot #2/12 sand 3.5'-17' bent. chips 3'-3.5'</u>		
						<u>30</u>			<u>Neat cement grout 0-3'</u>		
						<u>35</u>					

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

PROJECT NO.

Field log of Replacement Well

FIGURE NO.

MW1 A

4575 San Pablo Ave Emeryville

Joel Greger - Geologic

