Vac

McLaren Hart™

December 14, 1992

Ms. Eva Chu
Alameda County Health Agency
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, California 94621

SHD 3746

Dear Ms. Chu:

PROPOSED REVISION FOR THE QUARTERLY MONITORING PROGRAM AT THE FORMER ALAMEDA SERVICE STATION A-558, 7608 AMADOR VALLEY BLVD., DUBLIN CALIFORNIA 7200 Amador Valley

As requested, this letter is written to identify proposed changes in the ongoing quarterly monitoring program at the former Alameda Service Station A-558, located at 7608 Amador Valley Blvd., Dublin. The proposed changes are based on an evaluation of the analytical data and groundwater flow direction from seven sampling episodes, our November 30,1992 discussion of this data, your conceptual approval of these proposed changes and your request for a written understanding of them.

The six wells at the site are currently sampled quarterly and analyzed by the California Department of Health (DHS) LUFT Manual Method for total petroleum hydrocarbons as gasoline (TPH/G) and benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8020. Well locations with the groundwater flow direction and historic sampling results are shown on Figure 1 and presented in Table 1, respectively.

The proposed sampling changes to be implemented in December 1992 and the rationale for each change are listed below.

- Decrease the frequency of sampling at MW-1 and MW-3. MW-3 will be sampled annually and MW-1 will no longer be included in the sampling program. Water elevation measurements will still be collected quarterly at both wells. Chemicals have not been detected in either well in seven sampling episodes. MW- 3 is located upgradient of the former tank excavation and MW-1 is crossgradient. Annual sampling of MW-3 will provide a check of upgradient water quality.

- Analyze samples collected at MW-6 on an annual basis for TPH/D (diesel) by DHS LUFT Manual Method. Diesel was not detected during the two rounds of TPH/D sampling at MW-6 in December 1991 and March 1992. However, since MW-6 is located in the area of the former diesel tank, annual sample analysis for TPH/D will confirm the earlier results. If diesel is not detected in the annual sampling, consideration to remove it from the sampling program may be warranted.

1135 Atlantic Avenue, Alameda, CA 94501 (510) 521-5200 FAX (510) 521-1547

The quarterly sampling schedule and analyses for wells MW-2, MW-4 and MW-5 will remain the same. The next scheduled quarterly sampling event is December 1992. December sampling events at the site will henceforth be considered the annual event, therefore, as part of December 1992 sampling, water samples from MW-1 will be analyzed for TPH/G and BTEX, and MW-6 groundwater will be tested for TPH/D in addition to TPH/G and BTEX.

If you have any questions or comments please do not hesitate to call us at (510) 521-5200.

Sincerely,

Campbell McLeod
Supervising Geoscientist

Clifton Davenport
Principal Geoscientist

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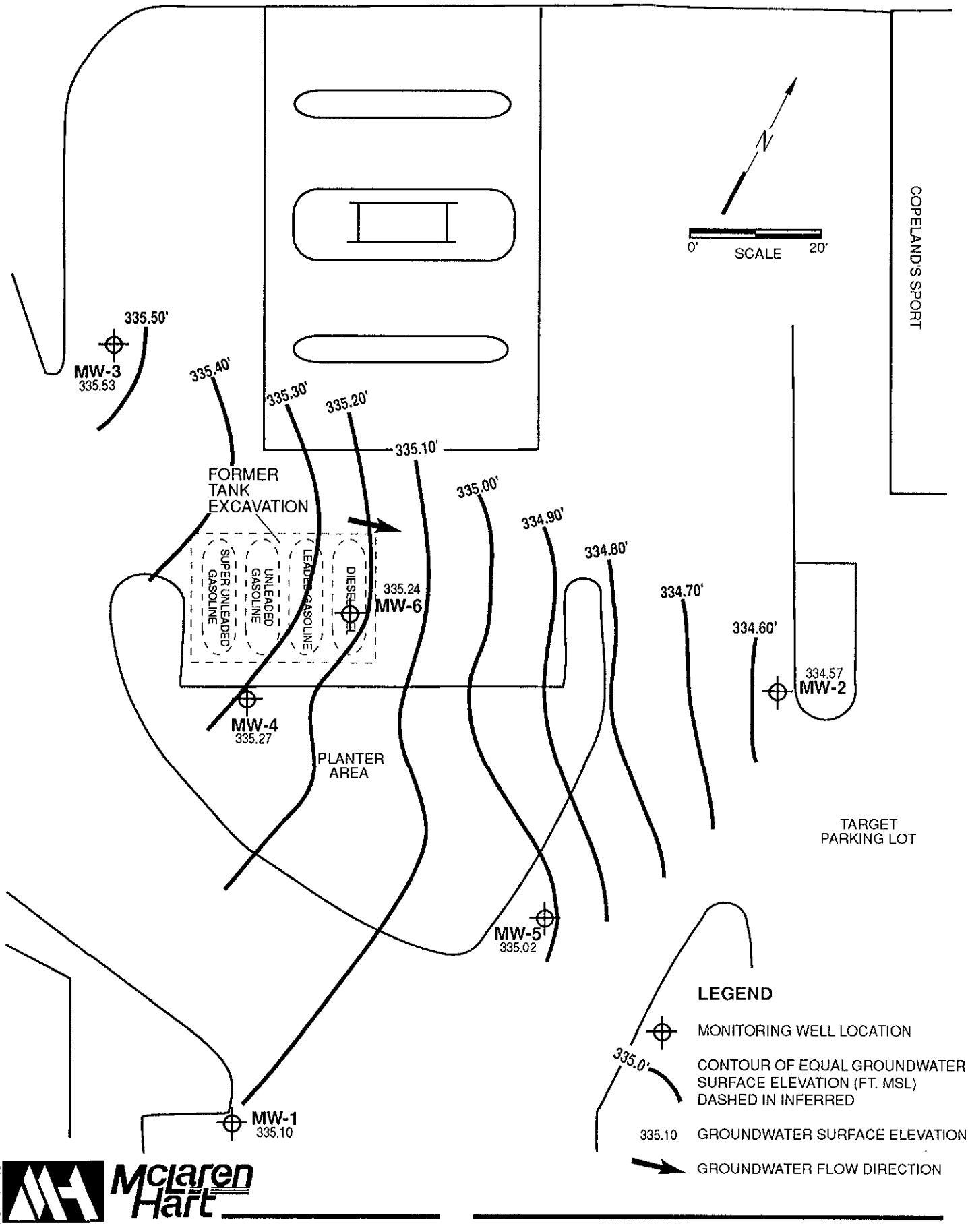
FIGURE 1
GROUNDWATER CONTOUR MAP
SEPTEMBER 24, 1992
FORMER ALAMEDA SERVICE STATION A-578
AMADOR VALLEY BOULEVARD



Target - Amador
AmdrGrndWtrCntr - 9-24-92
REV. 12-14-92

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TABLE 1

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES (ppb)
FORMER ALAMEDA SERVICE STATION, A-578, DUBLIN, CALIFORNIA

WELL DESIGNATION	DATE	TPH/G	TPH/D	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES
MW-1	2/91	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	6/91	<50	---	<0.5	<0.5	<0.5	<0.5
	9/91	<50	---	<0.5	<0.5	<0.5	<0.5
	12/91	<50	---	<0.5	<0.5	<0.5	<0.5
	3/92	<50	---	<0.3	<0.3	<0.3	<0.3
	6/92	<50	---	<0.3	<0.3	<0.3	<0.3
	9/92	<50	---	<0.3	<0.3	<0.3	<0.3
MW-2	2/91	50	<0.5	2.0	0.8	1.1	5.8
	6/91	51	---	6.6	<0.5	1.1	1.33
	9/91	<50	---	5.0	<0.5	0.64	<0.5
	12/91	<50	---	6.1	<0.5	<0.5	<0.5
	3/92	<50	---	3.6	<0.5	<0.5	<0.5
	6/92	<50	---	9.5	<0.3	<0.3	<0.3
	9/92	<50	---	1.3	<0.3	<0.3	<0.3
MW-3	2/91	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	6/91	<50	---	<0.5	<0.5	<0.5	<0.5
	9/91	<50	---	<0.5	<0.5	<0.5	<0.5
	12/91	<50	---	<0.5	<0.5	<0.5	<0.5
	3/92	<50	---	<0.3	<0.3	<0.3	<0.3
	6/92	<50	---	<0.3	<0.3	<0.3	<0.3
	9/92	<50	---	<0.3	<0.3	<0.3	<0.3
MW-4	2/91	6,000	<0.5	680	<20	160	250
	6/91	6,100	---	680	<25	150	<25
	9/91	<50	---	100	<0.5	45	8.1
	12/91	180	---	6.4	<1.0	16	25.8
	3/92	560	---	120	6.0	5.0	<0.5
	6/92	<50	---	<0.3	<0.3	<0.3	<0.3
	9/92	<50	---	<0.3	<0.3	<0.3	<0.3
MW-5	6/91	<50	---	<0.5	<0.5	<0.5	<0.5
	9/91	<50	---	<0.5	<0.5	<0.5	<0.5
	12/91	<50	---	<0.5	<0.5	<0.5	<0.5
	3/92	<50	---	<0.3	<0.3	<0.3	<0.3
	6/92	<50	---	<0.3	<0.3	<0.3	<0.3
	9/92	<50	---	<0.3	<0.3	<0.3	<0.3
MW-6	9/91	2,300	---	760	11	360	236
	10/91	1,900	---	230	<5	140	12.1
	12/91	2,500	<0.5	360	<50[a]	260	<50[a]
	3/92	2,600	<0.5	400	<50[a]	280	<50[a]
	6/92	1,500	---	220	<3[b]	190	<3[b]
	9/92	<480[b]	---	28	<3[b]	120	<3[b]

a = The analysis was run at a 1:100 dilution to bring target analytes within linear working range of the GC.
b = The analysis was run at a 1:10 dilutions to bring target analytes within linear working range of the GC.
--- = Not analyzed.