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DATE: 01/07/93 569-4757

TO: Juliet Shin FAX PHONE: ~~568-3706~~

COMPANY: Alameda County BUSINESS PHONE: 271-4320

FROM: Joyce Iwamoto PROJECT #: 81-434-02

SUBJECT: 1601 Webster Street, Alameda # PAGES 4 (including this cover)

☐ Hard Copy to follow if checked

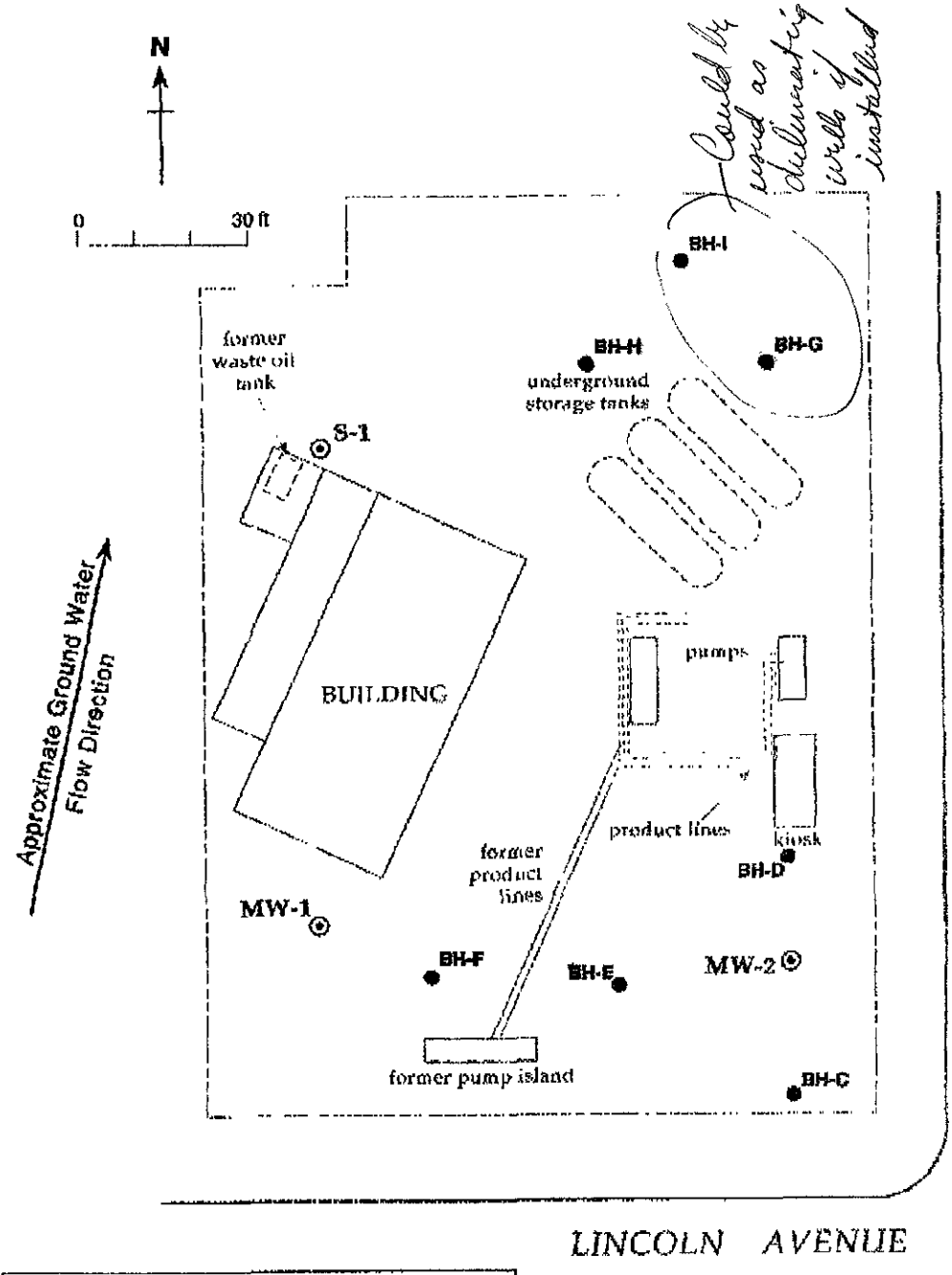
COMMENTS & ACTIONS REQUIRED:

Ms. Shin,

Here are boring locations and analytical results for the investigation at 1601 Webster Street, Alameda. We hope to get the report to you next week with some additional recommendations. Please call me if you have any questions.

thank you -Joyce

NOTE: Please call _____ at (510) 547-5420 if you do not receive all pages



. Soil Boring and Monitoring Well Locations - Shell Service Station WIC #204-0072-0403, 1601 Webster Street, Alameda, California

1/7/93

Table 1. Analytic Results for Soil - Shell Service Station, WIC #204-0072-0403, 1601 Webster Street, Alameda, California

Soil Boring (Well ID)	Sample Depth (ft)	Date Sampled	Approximate Ground Water Depth (ft)	TPH-G	TPH-D*	B	E	T	X	HVOCs	TOG
				<----------parts per million (mg/kg)---------->							
BH-A	4.8	4-3-90	8.5	<1	---	<0.0025	<0.0025	0.0032	0.0030	---	---
(MW-1)	7.8	4-3-90		<1	<1	<0.0025	<0.0025	0.0029	<0.0025	ND	<50
	10.8	4-3-90		<1	---	0.0026	<0.0025	0.010	0.0037	---	---
BH-B	5.2	4-3-90	7.5	<1	---	<0.0025	<0.0025	0.0048	0.015	---	---
(MW-2)	6.8	4-3-90		1.3	<1	0.0034	0.010	0.017	0.079	ND	<50
	10.2	4-3-90		20	---	0.530	0.750	3.800	4.000	---	---
	15.2	4-3-90		32	---	0.15	0.67	1.8	2.6	---	---
	20.2	4-3-90		<1	---	0.0049	0.0047	0.023	0.029	---	---
BH-C	5.5	10-12-92	9.5	<0.5	---	<0.005	<0.005	<0.005	<0.005	ND	<30
	11.0	10-12-92		<0.5	---	<0.005	<0.005	<0.005	<0.005	0.0017[b]	<30
BH-D	5.5	10-12-92	9.5	100	---	<0.005	1.8	<0.005	5.4	ND	<30
	10.5	10-12-92		<0.5	---	<0.005	0.007	<0.005	0.032	ND	<30
BH-E	5.5	10-22-92	10.0	14	---	0.026	0.20	0.40	1.2	0.072	<30
	10.5	10-22-92		170	---	<0.005	3.6	3.9	22	ND	110
	13.5	10-22-92		0.87	---	0.11	0.019	0.097	0.089	ND	<30
BH-F	5.5	10-22-92	10.5	<0.5	---	<0.005	<0.005	<0.005	<0.005	ND	<30
	10.5	10-22-92		26	---	0.065	0.65	0.27	3.6	0.070	47
BH-G	5.5	10-22-92	10.5	<0.5	---	<0.005	<0.005	<0.005	<0.005	ND	<30
	10.0	10-22-92		<0.5	---	<0.005	<0.005	<0.005	<0.005	ND	<30
BH-H	5.5	10-22-92	10.5	<0.5	---	<0.005	<0.005	<0.005	<0.005	ND	<30
	10.0	10-22-92		<0.5	---	<0.005	<0.005	<0.005	<0.005	ND	<30
BH-I	5.5	10-22-92	10.5	<0.5	---	<0.005	<0.005	<0.005	<0.005	ND	<30
	10.5	10-22-92		<0.5	---	<0.005	<0.005	<0.005	<0.005	ND	<30

Abbreviations:

TPH-G = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
TPH-D = Total petroleum hydrocarbons as diesel by modified EPA Method 8015
B = Benzene by EPA Method 8020
E = Ethylbenzene by EPA Method 8020
T = Toluene by EPA Method 8020
X = Xylenes by EPA Method 8020
HVOCs = Halogenated volatile organic compounds by EPA Method 8010
TOG = Total oil and grease by APHA Standard Method 503D&E
ppm = parts per million

ND = No VOCs detected.
<n = Not detected at detection limits of n ppm
* = Analytic results for total petroleum hydrocarbons as motor oil (TPH-MO) are reported with TPH-D results by the laboratory. TPH-MO results are included in the analytic reports in Appendix B.

Notes:

[b] = Methylene Chloride detected at 0.0017 ppm

Samples from borings BH-A and BH-B were analyzed by National Environmental Testing (NET) Pacific, Inc., Santa Rosa, California. Samples from borings BH-C through BH-I were analyzed by Anametrix, Inc. of San Jose, California.

Table 2. Analytic Results for Ground Water - Shell Service Station, WIC #204-9072-0403, 1601 Webster Street, Alameda, California

Sample ID	Date Sampled	Approximate Ground Water Depth (ft)	TPH-G	TPH-D[a]	B	E	T	X	VOCs	TOG	Metals / Other
			<----------parts per million (mg/kg)---------->								
MW-1	04-11-90	8.5	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	b	<10	---
MW-2	04-11-90	7.5	0.58	0.43	20	0.0012	0.0049	0.073	0.0011[c]	<10	---
S-1	04-11-90	d	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	e	<10	---
BH-C	10-12-92	9.5	0.074	---	0.0005	<0.0005	<0.0005	<0.0005	b	---	---
BH-D	10-12-92	9.5	24	---	4.2	4.4	<0.0005	2.8	b	---	---
BH-E	10-22-92	10.0	26	---	6.9	2.2	13	12	b	<7	---
BH-F	10-22-92	10.5	3.1	---	0.17	0.31	0.11	0.55	b	<14	---
BH-G	10-22-92	10.5	0.15	---	0.0039	0.0058	0.0098	0.013	b	<6	---
BH-H	10-22-92	10.5	26	---	1.6	1.9	0.28	2.8	b	<6	---
BH-I	10-22-92	10.5	0.053	---	0.0014	0.0051	0.0013	0.053	b	<8	---
DHS MCLs			NE	NE	0.001	0.680	0.10[f]	1.750	0.05[g]	NE	---

Abbreviations:

TPH-G = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
TPH-D = Total petroleum hydrocarbons as diesel by modified EPA Method 8015
B = Benzene by EPA Method 8020
E = Ethylbenzene by EPA Method 8020
T = Toluene by EPA Method 8020
X = Xylenes by EPA Method 8020
VOCs = Volatile organic compounds including halogenated volatile organic compounds by EPA Method 624
SVOCs = Semi-volatile organic compounds by EPA Method 625
TOG = Total oil and grease by APHA Standard Method 5520B&E
ppm = parts per million
<n = Not detected at laboratory reporting limit of n ppm
DHS MCL = Department of Health Services Maximum Contaminant Level
NE = DHS action levels not established
--- = Not analyzed of not applicable

Notes:

a = Analytic results for total petroleum hydrocarbons an motor oil (TPH-MO) are reported with TPH-D results by the laboratory. TPH-MO results are included in the analytic reports in Appendix B.
b = No VOCs detected
c = 1,2-dichloroethane detected at 0.0011 ppm
d = Acetone detected at 0.12 ppm
e = Ground water depth not available
f = DHS recommended action level for drinking water
g = MCL for 1,2-dichloroethene

Samples from wells MW-1, MW-2 and S-1 were analyzed by National Environmental Testing (NET) Pacific, Inc., Santa Rosa, California. Samples from borings BH-C through BH-I were analyzed by Anametrix, Inc. of San Jose, California.