

DEPARTMENT OF TRANSPORTATION

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November 5, 1999

Ms. Juliet Shin
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: Investigation at Vacant Parcel, located at the intersection of Mattox Road and Foothill Boulevard, Hayward, CA.

Dear Ms. Shin:

This letter is in response to your letter dated October 26, 1999. Three issues were identified in your letter as needing additional investigation. Our response is as follows:

1. Soil samples HAY 9 (0.9 meters deep) and HAY 10 (0.3 meters deep) were analyzed by Method 1312 and were non-detect. A copy of the laboratory report is attached.
2. A statistical evaluation of the lead data was performed (See attached spreadsheet). The 95% upper confidence limit was calculated to be 47.94 mg/kg, which is well under the USEPA Residential Preliminary Remediation Goal of 400 mg/kg. The data suggests that sample HAY5 collected in 1995 is anomalous and not representative of soils encountered at the site. A possible explanation for the elevated concentration could be that a paint chip from the adjacent building was included in the sample.
3. Oil & Grease test results are most likely due to interferences from the asphalt pavement, rather than an underground storage tank. Caltrans intends to sell this vacant parcel without further development. If you have any construction or maintenance related requirements, please notify us in writing what these requirements will be and that they are to be included as restrictions to the property deed.

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Ms. Juliet Shin
November 5, 1999
Page 2 of 2

Please contact Jill Pollock (510) 286-5638 if there are any questions.

Sincerely,

HARRY Y. YAHATA
District Director

By: *Celia McCuaig*

CELIA MCCUAIG
District Branch Chief
Office of Environmental Engineering

Attachments
cc: CM, file, chron

-99 10:50 Centrum Analytical

909 793 1559

P.02

SPLP Lead by ICP

Client: PSI
Project: Caltrans:Mattox & Foothill
Job No.: 14981B
Matrix: SPLP Leachate*
Analyst: RLB

Date Sampled: 06/01/99
Date Received: 06/02/99
Date Extracted: 10/27/99
Date Analyzed: 10/28/99
Batch Number: 6010W1365
Method Number: 6010

Sample ID	Detection Limit mg/L	Lead mg/L
Method Blank	0.5	ND
Hay9-0.90	0.5	ND
Hay10-0.30	0.5	ND

* Sample was prepared by SW-846 Method 1312 (SPLP).

Pb Data Foothill and Mattox

Sample #	TTLIC	Ln TTLIC
HAY1-0.15	5	1.609437912
HAY1-0.3	7.7	2.041220329
HAY1-0.9	6.8	1.916922612
HAY1-1.5	9.6	2.261763098
HAY2-0.15	31	3.433987204
HAY2-0.3	5	1.609437912
HAY2-0.9	5	1.609437912
HAY2-1.5	5	1.609437912
HAY2-3.0	5	1.609437912
HAY3-0.15	27	3.295836866
HAY3-0.3	27	3.295836866
HAY3-0.9	12	2.48490665
HAY3-1.5	61	4.110873864
HAY3-3.0	14	2.63905733
HAY3-4.5	5	1.609437912
HAY4-0.15	16	2.772588722
HAY4-0.3	15	2.708050201
HAY4-0.9	12	2.48490665
HAY4-1.5	18	2.890371758
HAY4-3.0	5	1.609437912
HAY4-4.5	9.3	2.2300144
HAY5-0.15	31	3.433987204
HAY5-0.3	55	4.007333185
HAY5-0.9	160	5.075173815
HAY5-1.5	100	4.605170186
HAY5-3.0	5	1.609437912
HAY6-0.15	15	2.708050201
HAY6-0.3	22	3.091042453
HAY6-0.9	52	3.951243719
HAY6-1.5	34	3.526360525
HAY6-3.0	7.7	2.041220329
HAY6-4.5	7.7	2.041220329
HAY7-0.15	23	3.135494216
HAY7-0.3	39	3.663561646
HAY7-0.9	33	3.496507561
HAY7-1.5	24	3.17805383
HAY7-3.0	11	2.397895273
HAY7-4.5	8.2	2.104134154
HAY8-0.15	27	3.295836866
HAY8-0.3	200	5.298317367
HAY8-0.9	28	3.33220451
HAY8-1.5	9.1	2.208274414
HAY8-3.0	9.1	2.208274414
HAY8-4.5	15	2.708050201
HAY9-0.15	30	3.401197382
HAY9-0.3	18	2.890371758
HAY9-0.9	190	5.247024072
HAY9-1.5	15	2.708050201

subtotal

1092.5

Pb Data Foothill and Mattox

Sample #	TTLc	Ln TTLc
HAY9-3.0	14	2.63905733
HAY9-4.5	8.4	2.128231706
HAY10-0.15	5	1.609437912
HAY10-0.3	78	4.356708827
HAY10-0.9	20	2.995732274
HAY10-1.5	9.2	2.219203484
HAY10-3.0	9.7	2.272125886
HAY10-4.5	8.6	2.151762203
HAY1-1	20	2.995732274
H1Y1-2	20	2.995732274
HAY1-3	41	3.713572067
HAY2-1	29	3.36729583
HAY2-2	20	2.995732274
HAY2-3	4.6	1.526056303
HAY3-1	100	4.605170186
HAY3-2	14	2.63905733
HAY3-3	1	0
HAY4-1	12	2.48490665
HAY4-2	1	0
HAY4-3	19	2.944438979
HAY5-1	11	2.397895273
HAY5-2	4.9	1.589235205
HAY5-3	2400	7.783224016

3843

	Untransformed Total Lead	Transformed Total Lead
Number of Samples (n)	71	71
Mean (x)	60.85352113	2.811354901
Standard Deviation (s)	284.2091362	1.191373308
Sample Variance (s ²)	80774.83309	1.419370359
Standard Error (s _x)		
Upper 95% Confidence Limit (UCL)		47.93812554
Lower 95% Confidence Limit (LCL)		28.52772571