

TABLE 2

<u>Sample</u>	<u>Test Performed</u>	<u>Results</u>
B-5M	Ignitability	90 deg.
	pH	7.7
	WET - Inorganic	<STLC
	GC/MS	ND except for CH ₂ Cl ₂ (800 ppb) and acetone (220 ppm)
	Fish Bioassay	>500 mg/l *
EM4	Ignitability	>110 deg.
	WET - Inorganic	<STLC
	GC/MS	N.D.
	Fish Bioassay	>500 mg/l
E1	Ignitability	>110 deg.
	WET - Inorganic	<STLC
	GC/MS	N.D.
	Fish Bioassay	>500 mg/l

* Significant fish mortality was observed at 750 mg/l at 96 hours (6 and 2 out of 10 in separate runs).



earth metrics incorporated

May 15, 1989

5/17/89

ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

Mr. Lowell Miller
Alameda County
Health Services
80 Swan Way
Oakland, CA 94621

Subject: Final Status of Marketplace and Nielsen Site Groundwater
Monitoring Wells (Earth Metrics file reference 7927W0)

Dear Lowell:

This letter is to confirm that Well No. W-8 is intact, near the eastern boundary of the Marketplace site. This brings the total number of preserved groundwater wells to six, which is the total number agreed by Earth Metrics.

Therefore, all groundwater monitoring wells listed below are having permanent Christie-box type covers installed:

<u>Marketplace</u> <u>Investigation Wells</u>	<u>Nielsen</u> <u>Investigation Wells</u>
5M	W-8 (located on the Marketplace site)
4	W-1
10	W-7

If you have any questions about this final well status summary, please call me.

Sincerely,

Marc Papineau
Manager, Physical Sciences

MP/hhs

cc: Mr. Walter Kaczmarek
Mr. Rafat Shahid

**COMPARISON OF PNA CONCENTRATIONS IN ASPHALT PAVEMENT SAMPLES
AND SOIL SAMPLES CONTAINING AN ASPHALT-LIKE MATERIAL**

COMPOUND	CONCENTRATIONS (mg/kg)	
	ASPHALT PAVEMENT SAMPLES ^a	SOIL SAMPLES MARKETPLACE SITE ^b
Anthracene	---	<0.2
Phenanthrene	0.4 - 35	4.3 - 7.8
Fluoranthene	2.0 - 5.0	<1.02 - 30.2
Pyrene	0.08 - 38.0	<0.6 - 16.7
Benzo(a)Anthracene	0.2 - 35.0	2.6 - 4.8
Chrysene	0.04 - 34.0	<0.6 - 0.8
Benzo(a)Pyrene	0.1 - 27.0	0.8 - 1.4
Benzo(k)Fluoranthene	---	3.1 - 5.5

a. Asphalt Composition and Health Effects: A Critical Review. American petroleum Institute

b. Draft Work Plan for Soils Contamination Characterization of Marketplace Site in Emeryville, California. Earth Metrics Incorporated, January 28, 1988

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