



Ca/EPA

San Francisco
Bay Regional
Water Quality
Control Board

2101 Webster St #500
Oakland, CA 94612
(510) 286-1255
FAX (510) 286-1380

Craig Denny
Union Pacific Railroad Company
1416 Dodge Street, Room 930
Omaha, NE 68179



Pete Wilson
Governor

February 17, 1998
File No.: 2199.9239 (DCL)
SLIC No.: 01S0002

Subject: Former Alcan Site, 1077 East Shore Highway, Albany, Alameda County
- Soil Remedial Action

Dear Mr. Denny:

This letter confirms Board staff's concurrence with the soil remedial action completed at the subject site from October 1995 to April 1997.

Soil remediation is described in a November 1997 technical report titled "Soil Remedial Action Closure Report and Ground Water Investigation Summary". Soils west of the sheet pile at the former Alcan site were excavated to a depth of approximately 8 to 12 feet below ground surface, typically 1 to 2 feet into the Bay Mud that underlies the fill soil in this area. Approximately 21,250 tons of impacted soils and 1,500 tons of clean overburden were excavated to meet the 100 ppm cleanup goal for total petroleum hydrocarbon (TPH). The excavated soils were treated with thermal desorption to volatilize TPH. They were then subject to a cleanup goal of 500 ppm because any remaining TPH after treatment would be the heavier, less mobile fraction. After cleanup goals were met in the excavation and in the treated soils, the excavation was backfilled with the treated and overburden soils and approximately 4,100 tons of imported fill.

Some samples from the west wall of excavation showed concentrations higher than the cleanup goal. Specifically, soil samples immediately next to Building 2 of Wilanco, Inc., yielded concentrations as high as 3,800 ppm. However, this area was not overexcavated to prevent undermining the building foundation.

Based on the submitted report, Board staff concur with the scope of work completed and the work is satisfactory in response to the cleanup requirements agreed to by a Board letter dated December 12, 1995. I understand that groundwater monitoring on-site will continue for two more quarters. Site closure and/or risk management will be evaluated at the end of monitoring.

Please contact Derek Lee of my staff at (510) 286-1041 if you have any questions.

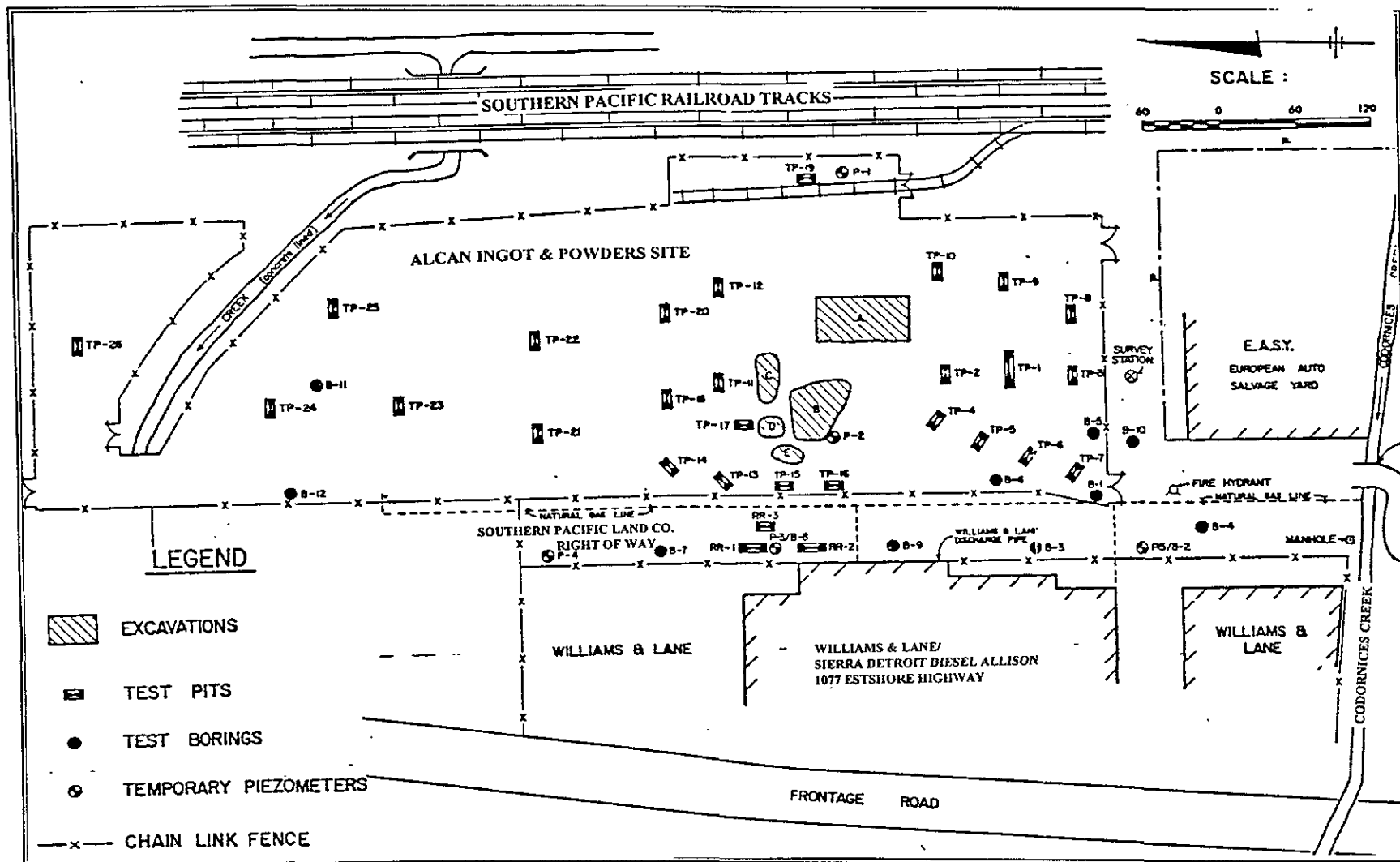


Figure 6. Site Map of the Former Alcan Ingot & Powders, Albany, California, Showing Excavations A, B, C, D, and E.

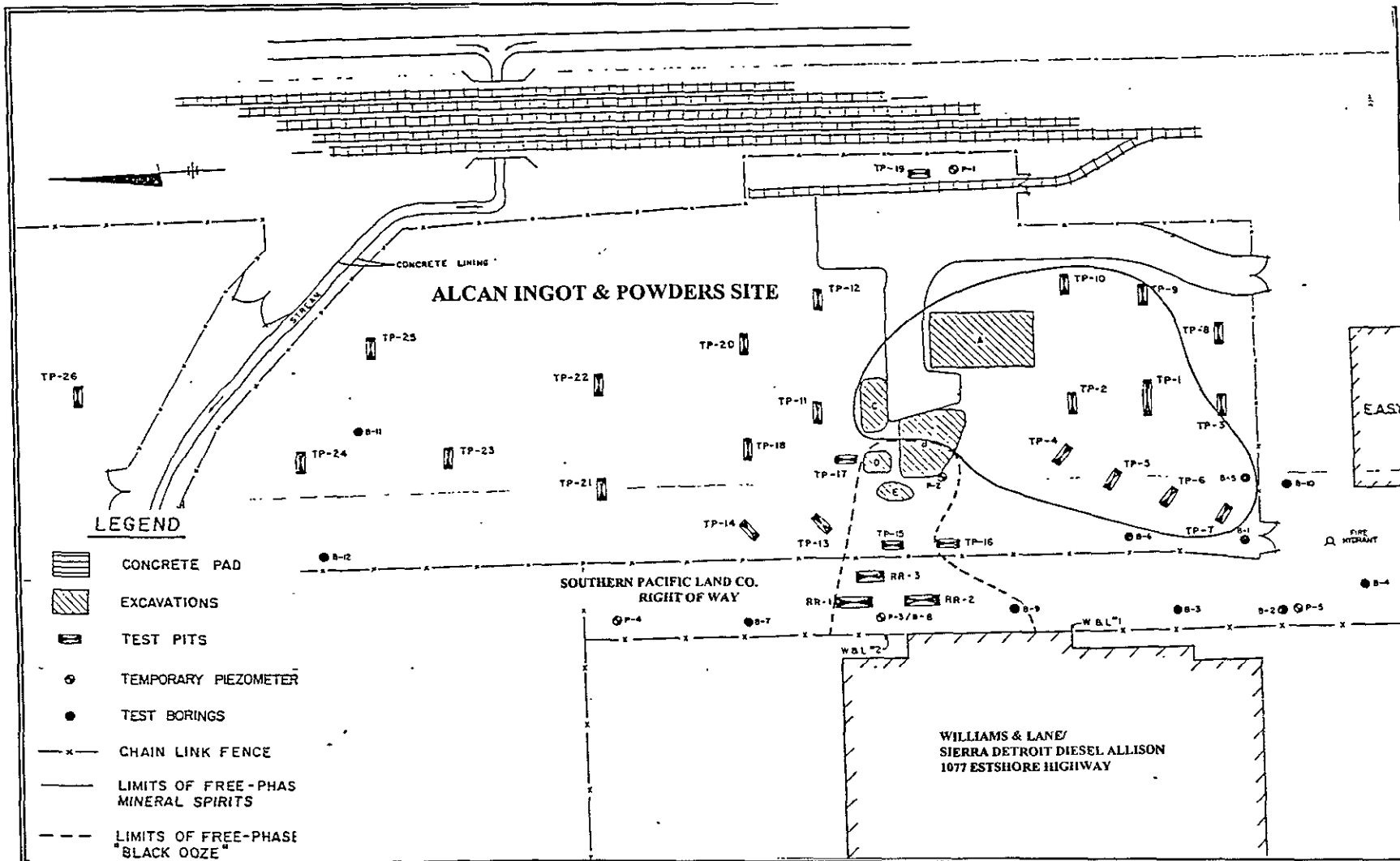


Figure 7. Site Map of the Former Alcan Ingot & Powders, Albany, California, Showing Extent of Contamination.

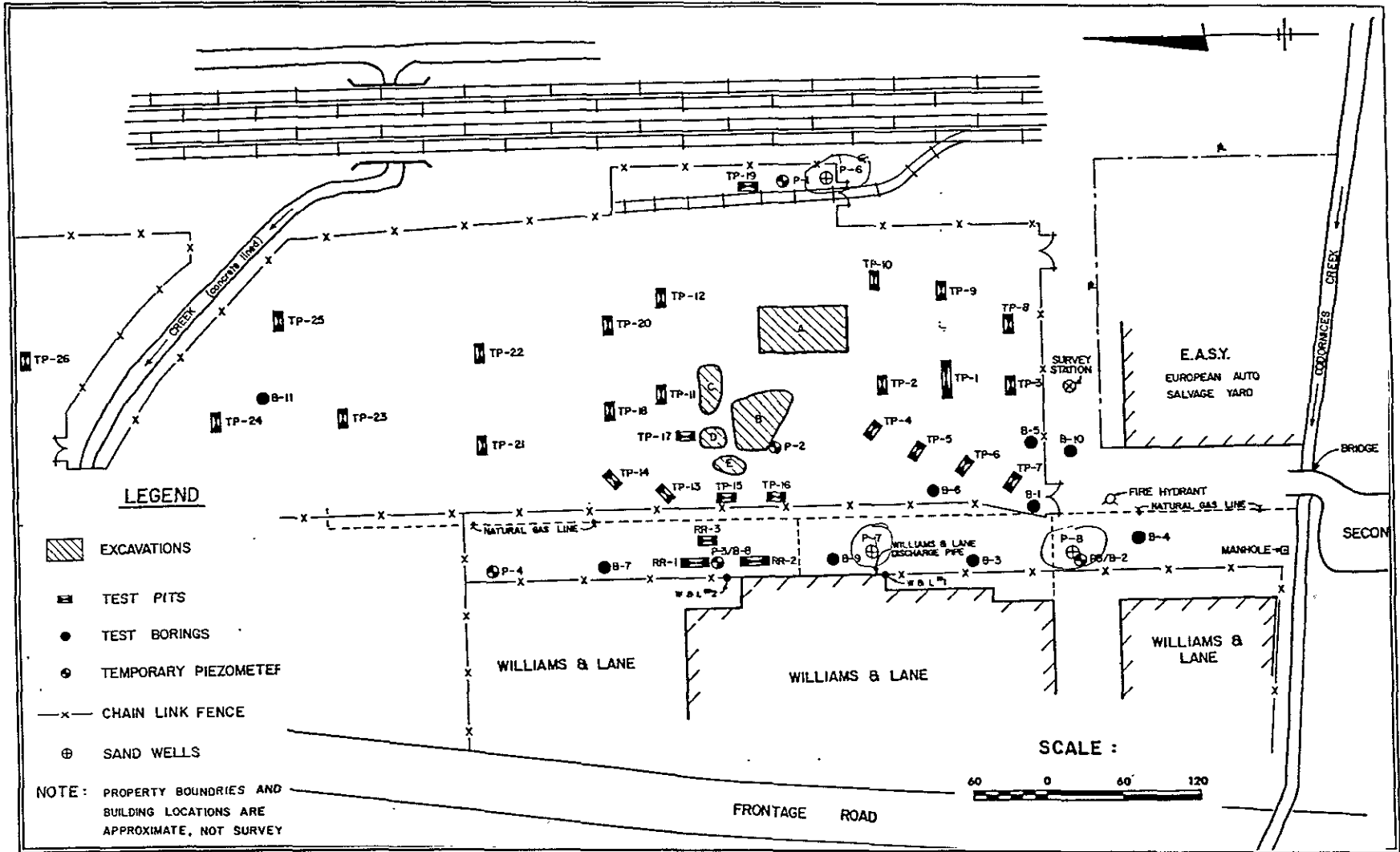


Figure 8. Site Map at the Former Alcan Ingot & Powders, Albany, California, showing Wells P6, P7, and P8.

Table 2a. Results of Analysis of Soil, Water, and Oil Samples Taken at the Former Alcan Site , the Southern Pacific Land Company's Right of Way and the Boundary of the Adjacent William and Lane (Data taken from Site Assessment, Alcan Berkeley Plant, May 1985)				
Site #	Matrix	Concentration in Samples		
		Mineral Spirits	Fuel	PCB 1254
#1, Pit A	Soil	3,000 mg/l	<100 mg/l	--
#2, Pit B	Soil	800 mg/l	200 mg/l	--
#3, near TP-11	Soil	<100 mg/l	500 mg/l	--
#4, TP-15	Soil	40% mg/l	5% mg/l	--
#5, Pit A	Water	<1 mg/l	5 mg/l	--
#6, TP-10	Oil	80% mg/l	ND	--
#7, RR-1	Soil Site	7,600 mg/kg	10,000 mg/kg	--
#8, RR-2	Soil Site	<100 mg/kg	<100 mg/kg	--
#9, RR-3	Soil Site	13,000 mg/kg	<100 mg/kg	--
#10, RR-3	Soil Site	6,800 mg/kg	10,000 mg/kg	--
#11, Surface	Soil Site	<100 mg/kg	88,000 mg/kg	--
#12, Pit A	Soil Site	--	--	--
#13, Pit B	Soil Site	1,900 mg/kg	3,700 mg/kg	--
#14, Pit C	Soil Site	--	--	--
#15, TP-15	Soil Site	540 mg/kg	720 mg/kg	--
TP-7	Free Product	100%	ND	--
Pit B	Water Samples	<1	1	--
TP-8	Water Samples	11	<1	--
TP-14	Water Samples	<1	1	--
TP-19	Water Samples	<1	<1	--
Pit B	Soils, S #2, 4.5'	6,400 mg/kg	1,100 mg/kg	--
Pit B	Soils, S #4, 8.0'	24,000 mg/kg	1,600 mg/kg	--
TP-7	Soils, S #1, 1.5'	200 mg/kg	<100 mg/kg	--
TP-7	Soils, S #3, 5.5'	18,000 mg/kg	<100 mg/kg	--
TP-8	Soils, S #1, 1.5'	1,900 mg/kg	<100 mg/kg	--

Table 2b. Results of Analysis of Soil, Water, and Oil Samples Taken at the Former Alcan Site , the Southern Pacific Land Company's Right of Way and the Boundary of the Adjacent William and Lane (Data taken from Site Assessment, Alcan Berkeley Plant, May 1985)

Site #	Matrix	Concentration in Samples		
		Mineral Spirits	Fuel	PCB 1254
TP-8	Soils, S #3, 6.0'	570 mg/kg	<100 mg/kg	<1 mg/kg
TP-16	Soils, S#1, 2.5'	100 mg/kg	340 mg/kg	<1 mg/kg
TP-16	Soils, S#3, 8.2'	<100 mg/kg	<100 mg/kg	<1 mg/kg
TP-19	Soils, S #1, 1.5'	--	--	9 mg/kg
TP-23	Soils, S #1, 3.0'	--	--	--
TP-23	Soils, S #2, 1.0'	210	<100	--
TP-23	Soils, S #4, 7.0'	<100	<100	--
B2-1	Soils	<100 mg/kg	-	1 mg/kg
B3-1	Soils	<100 mg/kg	-	-
B4-1	Soils	<100 mg/kg	-	-
B4-2	Soils	-	-	-
B5-1	Soils	12,300 mg/kg	-	-
B6-1	Soils	<100 mg/kg	-	-
B7-1	Soils	<100 mg/kg ^a	-	-
B7-2	Soils	<100 mg/kg	-	-
B8-1	Soils	10,400 mg/kg ^b	10,000 mg/kg	<1
B9-1	Soils	<100	-	-
B9-2	Soils	18,000 mg/kg	-	-
B10-1	Soils	-	-	-
B-10-2	Soils	<100	-	-
B11-1	Soils	120	-	-
B-12-1	Soils	<100	-	-
BP4-1	Soils	-	-	-

a Heavy weight oil may be present in this sample

b Similar to P3-1

Table 2c. Results of Analysis of Soil, Water, and Oil Samples Taken at the Former Alcan Site , the Southern Pacific Land Company's Right of Way and the Boundary of the Adjacent William and Lane (Data taken from Site Assessment, Alcan Berkeley Plant, May 1985)				
Site #	Matrix	Concentration in Samples		
		Chloride	Mineral Spirits	Fuel
W + L #1	Water Samples	-	100 mg/l ^a	-
P1-1	Water Samples	68 mg/l	<1 mg/l ^b	-
P2-1	Water Samples	-	13 mg/l	-
P3-1	Water Samples	-	97 mg/l	91 mg/l
P4-1	Water Samples	130 mg/L	<1 mg/l	-
P5-1	Water Samples	28 mg/l	<1 mg/l	-
W + L #2	Water Samples	-	-	-

a Higher detection limit due to the presence of hydrocarbons

b Hydrocarbons present, but not mineral spirits