



INTRODUCTION

Soil sampling was performed in the area surrounding the Engine House of Sunnyside Yard, New York, N.Y., on August 21 and 22, 1985. The purpose of this sampling was to determine polychlorinated biphenyl (PCB's) levels in the soils tested and to assess the potential for employee exposure.

OBSERVATIONS

Sunnyside Yard is an old maintenance facility for trains where oil wastes were disposed of indiscriminately in the past.

Sampling for PCB's in the soil around this area was initiated to determine possible contamination.

SAMPLING METHODS

The designation of sampling locations was established by discussions with Amtrak employees including Charles Lin, Environmental Specialist.

Core samples were taken down to a depth of six inches in each of the designated locations.

Sampling methods and the laboratory analysis of samples was done in accordance with EPA and NIOSH techniques.

TEST RESULTS

The following Table illustrates the survey results and data is presented in parts per million (ppm).

EPA defines any substance with greater than 50 ppm PCB's to be PCB containing.



ATLANTIC
ENVIRONMENTAL

Amtrak-Sunnyside Yard, NYC

PCB Evaluation
8/21,22/85

DISCUSSION

Test results indicate detectable levels of AROCHLOR 1254 (PCB's) found in the soil samples analyzed. See following Table.

Although PCB's are found in almost any material, Sample #SSM0821E (43.4 ppm) is relatively high and not characteristic of ambient PCB levels.

Further discussion with safety personnel and management indicated that extensive PCB sampling of soils, surfaces and personnel has occurred in the past. These surveys have resulted in successful corrective actions to control the possibility of human exposure.

Since these three levels indicated levels below 50 ppm of PCB's, these soils do not have to be considered hazardous waste.

RECOMMENDATIONS

No recommendations on the basis of these tests.



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PCB Survey Results
8/21 & 22/85

<u>Sample #</u>	<u>Date</u>	<u>Location</u>	<u>PCB's ppm</u>	<u>Rec. Safe Level</u>
SSM0821E	082185	East Engine House Area Between Track 1 & 2 20' feet east of Engine House Core Sample-6" down	43.4	50 ppm
SSM0821F	082185	North Engine House Area 20 ft north of N. Wall Engine House 40 ft West of E. Wall Core Sample-6" down	6.32	50 ppm
SSM0822G	082285	East Engine House Area 140 ft. east of E. Wall Engine House 5' South of Track I Core Sample-6" down	9.75	50 ppm



CERTIFICATE OF ANALYSIS

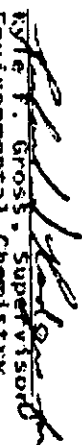
LABORATORY NO. 2313-R5 RECEIVED: 10 September 1985 REPORTED: 13 September 1985

CLIENT: Joe Devito
AMTRAK-Operations and Maintenance
Sunnyside Yards
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SAMPLE DESCRIPTION: Zero to six inch depth composite of soil collected in 10 foot by 10 foot area east of boiler house.

<u>Parameter</u>	<u>Units</u>	<u>Concentration</u>
Polychlorinated biphenyl	mg/kg* (as Aroclor 1254)	147

*As received or wet weight basis.

Approved by:  Kyle F. Gross, Supervisor
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