ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC

ROUX

1377 MOTOR PARKWAY
ISLANDIA, NEW YORK 11738
TEL 516 232 2600 FAX 516 232 9898

October 7, 1996

Richard H. Mohlenhoff, P.E.
Environmental Compliance Engineer
National Railroad Passenger Corporation
400 West 31st Street
6th Floor
New York, New York 10001

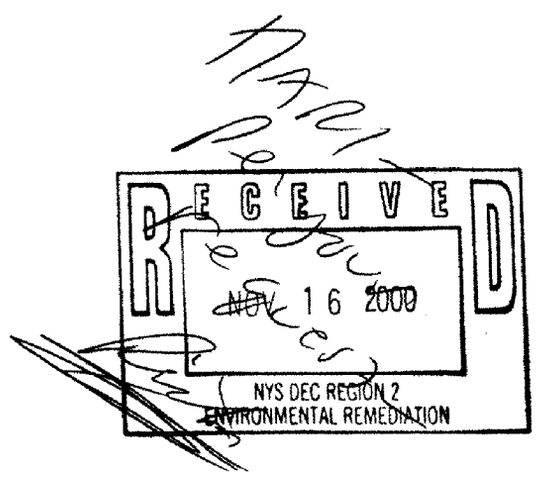
Re: Phase II Soil Sampling Results in Support of Construction of the New Engine House and Related Track, Sunnyside Yard, Queens, New York

Dear Mr. Mohlenhoff:

This letter report is provided to AMTRAK as a summary of the Phase II Soil Sampling program conducted by Roux Associates, Inc. on September 9, 1996. As presented in the July 12, 1996 proposal, the sampling and analysis, which supports the New Engine House Construction Project (Project), was designed in two phases to allow the Project to proceed with minimal disruption of operations while identifying the need to manage construction derived materials as hazardous prior to construction.

The scope of work for Phase II soil sampling to support construction of the New Engine House and related track consisted of the completion of nine soil borings, EH-11 through EH-18 and EH-22 (Figure 1), and the collection of soil samples. Samples from the 0 to 2 foot interval below the bottom of ballast at all locations were collected and submitted to IEA Laboratory, Inc. of Monroe, Connecticut to be analyzed for Total Petroleum Hydrocarbons (TPHs) using Method 418.1 and Polychlorinated Biphenyls (PCBs) using Method 8081.

Additionally, samples from the 2 to 4 foot interval below the bottom of ballast at locations EH-11 and EH-12 (within the footprint of the proposed building) and a duplicate sample from location EH-15 (for quality control) were collected to be analyzed for the same parameters.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Results and Discussion

The sediments which comprise the 0 to 2 foot interval are typically brown to black, fine to coarse sand with traces of ballast, coal, ash, cinders and gravel. From 2 to 4 feet below the bottom of the ballast layer the sediments typically consist of tan, fine to coarse sand with traces of gravel.

The analytical results are presented in Table 1. TPH concentrations ranged from less than 13.5 milligrams per kilogram (mg/kg) in EH-11 (2-4) to 4,050 mg/kg in sample EH-17 (0-2). The average TPH concentration for all 12 samples is approximately 1,450 ppm. PCB concentrations ranged from 37 micrograms per kilogram (µg/kg) in sample EH-11 (2-4) to 13,400 µg/kg in EH-13 (0-2). Of the PCBs, only Aroclors 1254 and 1260 were detected. All PCB concentrations are well below the 50 ppm cleanup level suggested by the Toxic Substances Control Act. Note that one µg/kg is equivalent to one part per billion or ppb, and that one mg/kg is equivalent to one part per million or ppm.

If you have any questions regarding the information provided in this summary report please do not hesitate to call me at (516) 232-2600.

Sincerely Yours,

ROUX ASSOCIATES, INC.

Harry Gregory
Project Hydrogeologist/
Project Manager

cc: J. H. Shaffer, AMTRAK
G. Bales, AMTRAK
N. Rassias, AMTRAK
J. D. Duminuco, Roux Associates

TABLES

Table 1. Summary of Polychlorinated Biphenyl Compounds and Total Petroleum Hydrocarbon Concentrations Detected in Soil Samples from the Proposed New Engine House Construction Project Area, Sunnyside, Queens, New York.

Sample Designation:	EH-11	EH-11	EH-12	EH-12
Sample Depth:	0-2	2-4	0-2	2-4
Sample Date:	9/9/96	9/9/96	9/9/96	9/9/96
(Concentrations in µg/kg)				
Aroclor-1016	33 U	33 U	33 U	33 U
Aroclor-1221	67 U	67 U	67 U	67 U
Aroclor-1232	33 U	33 U	33 U	33 U
Aroclor-1242	33 U	33 U	33 U	33 U
Aroclor-1248	33 U	33 U	33 U	33 U
Aroclor-1254	600 J	13 J	560	36
Aroclor-1260	2100	24 J	1200	62
TPH (Concentrations in mg/kg)	462	<13.5	466	15.9

Sample Designation:	EH-13	EH-14	EH-15	EH-15DUP
Sample Depth:	0-2	0-2	0-2	0-2
Sample Date:	9/9/96	9/9/96	9/9/96	9/9/96
(Concentrations in µg/kg)				
Aroclor-1016	33 U	33 U	33 U	33 U
Aroclor-1221	67 U	67 U	67 U	67 U
Aroclor-1232	33 U	33 U	33 U	33 U
Aroclor-1242	33 U	33 U	33 U	33 U
Aroclor-1248	33 U	33 U	33 U	33 U
Aroclor-1254	6300	270	2800	3000
Aroclor-1260	7100	540	4800	5100
TPH (Concentrations in mg/kg)	1100	2990	1520	1360

Sample Designation:	EH-16	EH-17	EH-18	EH-22
Sample Depth:	0-2	0-2	0-2	0-2
Sample Date:	9/9/96	9/9/96	9/9/96	9/9/96
(Concentrations in µg/kg)				
Aroclor-1016	33 U	33 U	33 U	33 U
Aroclor-1221	67 U	67 U	67 U	67 U
Aroclor-1232	33 U	33 U	33 U	33 U
Aroclor-1242	33 U	33 U	33 U	33 U
Aroclor-1248	33 U	33 U	33 U	33 U
Aroclor-1254	1000	1900	870	160
Aroclor-1260	3500	5400	2000	370
TPH (Concentrations in mg/kg)	3400	4050	1410	648

FIGURES

National Railroad Passenger Corporation, 60 Massachusetts Avenue, N.E., Washington, D.C. 20002 Telephone (202) 906-3000

August 9, 1996

TO THOSE LISTED BELOW:

Re: Notice Regarding Proposed Construction at Amtrak's Sunnyside Rail Yard in Queens, New York

Dear Ladies and Gentlemen:

Amtrak's Sunnyside Rail Yard has been declared an Inactive Hazardous Waste Site by the New York State Department of Environmental Conservation. Its registry number is 241006. This Notice is being given pursuant to Section 375-1.6 of the State's regulations regarding Inactive Hazardous Waste Disposal Sites.

A new Engine Shop is planned to be constructed at the Sunnyside Rail Yard for the service and inspection of locomotives. This Shop will consist of a 6,200 square foot building. So that a track may lead to this new Shop, the current Employee Welfare Building will be demolished and its facilities relocated. A site plan is enclosed showing the locations of the new Engine Shop and of the current Employee Welfare Building.

Sincerely,

Jared I. Roberts
Associate General Counsel

enclosure

Distribution:

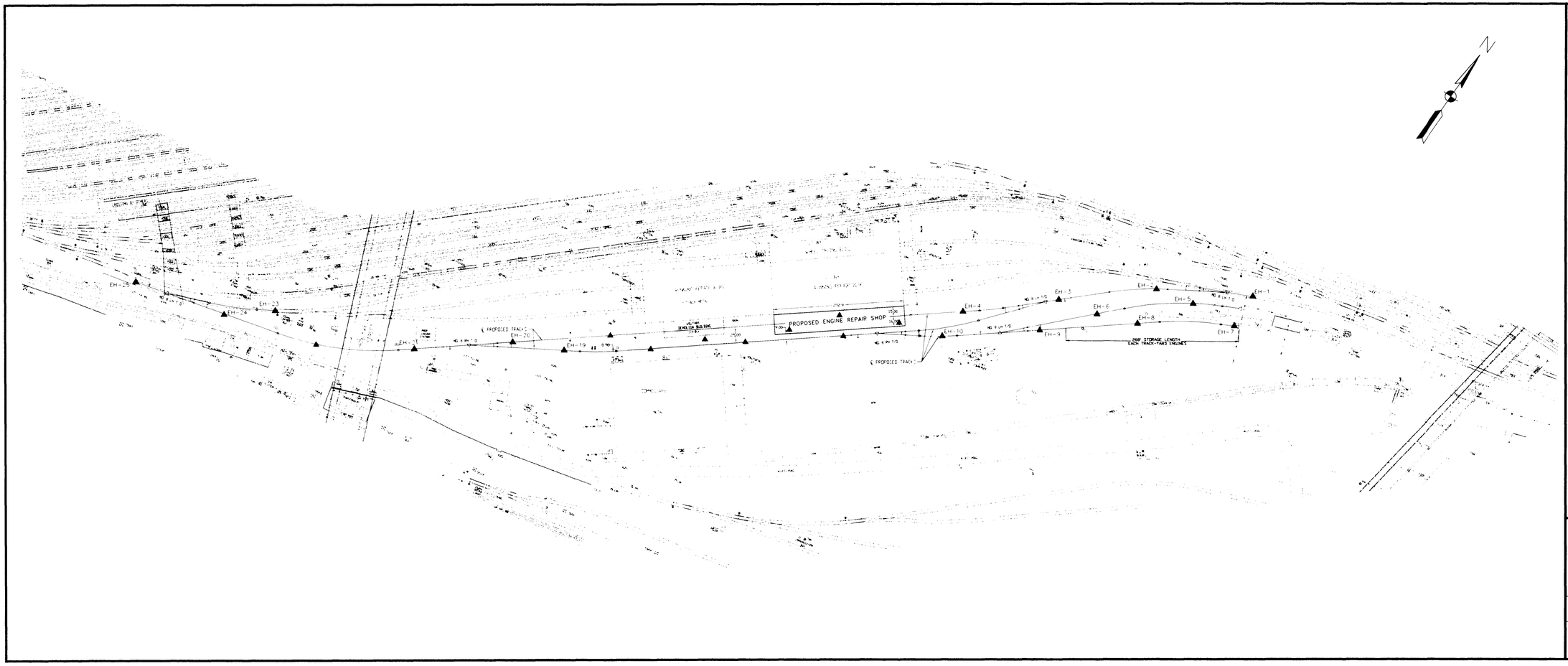
Commissioner, New York State Dept.
of Environmental Conservation
50 Wolf Road
Albany, NY 12233-7010

Commissioner, New York State Dept.
of Health
Room 1408, Corning Tower Building
Empire State Plaza
Albany, NY 12237

Clerk, County of Queens
88-11 Sutphin Boulevard
Jamaica, NY 11435

Mr. Richard Gardineer
Regional Hazardous
Waste Engineer
New York State Dept. of
Enviro. Conservation
47-40 21st Street
Long Isl. City, NY 11101

Those listed on the enclosed "Contact List"



LEGEND

- EH-1 — PHASE I SOIL BORING LOCATION AND DESIGNATION
- PHASE II SOIL BORING LOCATION AND DESIGNATION
- PROPOSED BUILDING CONSTRUCTION AREA
- PROPOSED TRACK LOCATION

NOTE: THIS MAP IS A MODIFICATION OF THE JUNE 18, 1996 PROPOSED ENGINE SERVICE FACILITY MAP PROVIDED BY AMTRAK.

80' 0 80'

Title:

SOIL SAMPLING LOCATIONS FOR THE NEW ENGINE HOUSE CONSTRUCTION PROJECT

SUNNYSIDE YARD QUEENS, NEW YORK

Prepared For:
NATIONAL RAILROAD PASSENGER CORPORATION

ROUX
ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: N.O.	Date: 10/96	FIGURE
Prepared by: W.G.	Scale: AS SHOWN	1
Project Mgr: H.G.	Revision:	
File No: 43102004	Project: 05543Y05	