61530

Westinghouse
Electric Corporation

Westinghouse Building
Gateway Center
Pittsburgh Pennsylvania 15222

May 22, 1987

Mr. William D. Steuteville
U.S. Environmental Protection Agency
Region III - Section 3HW14
841 Chestnut Street
Philadelphia, PA 19107

Dear Mr. Steuteville:

Enclosed are the laboratory analytical results for soil samples obtained in the borrow area at the Hunterstown Road Site.

Please call me if you have any questions.

Paul P. Jack

Paul P. Jack
Senior Project Engineer
Environmental Control
Environmental Affairs

Enclosure

AR101152

2492M

WESTINGHOUSE
CENTENNIAL
1886-1986

E.P. TOXICITY LEACHATE ANALYSIS SUMMARY
FOR REMEDIAL CORPORATION
PROJECT NO. 662016

SAMPLE IDENTIFICATION	LEAD mg/ℓ(1)	ANALYTICAL SPIKE PERCENT RECOVERY
005	0.90	104%

FEDERAL EXPRESS

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DATE: 4-23-87

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Your Phone Number (Very Important): ( )

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City: Pittsburgh

State: PA

ZIP * Zip Code Required For Correct Invoicing: 15238

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Department/Floor No.:

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State: PA

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ART 01 154

princeton testing laboratory

DATE: January 7, 1986

JOB NO. 31304 & 31305

AUTHORIZATION:

SAMPLE:

TO:

Roy F. Weston
5090 Central Highway
Pennsauken, NJ 08109

Att: A. M. Gohsler

RECEIVED
JAN 09 1986
TAT REG III

REPORT OF ANALYSIS

QUALITY CONTROL

		DUP. I	DUP. II	SPIKED SOLN. ADDED	SPIKED SAMPLE	% RECOVERY
				mg/kg		
Beryllium	41305-001	< 0.5	< 0.5	10.0	9.0	90
Cadmium	41305-001	1.45	1.40	1.0	2.5	107
Chromium	41305-001	211	201	50.0	252	92
Copper	41305-001	26.3	24.8	10.0	34.9	93
Nickel	41305-001	41.5	38.4	10.0	51.9	119
Lead	41305-001	21.7	20.5	5.0	24.9	76
Zinc	41305-001	57.1	54.3	10.0	64.9	92
Arsenic	41304-012	4.3	4.1	5.0	8.5	86
Silver	41305-001	< 0.5	< 0.5	1.0	0.91	91
Selenium	41305-002	< 0.6	< 0.6	5.0	4.2	84
Thallium	41305-001	6.5	5.9	10.0	15.0	88
Mercury	41305-005	< 0.05	< 0.05	0.5	0.46	92
Antimony	41305-001	18	16	10.0	25	80

Edna A. Alinea

Edna A. Alinea, Manager
Water, Waste Water & Microbiology

AR101155

EAA/rk

TABLE 3

SURROGATE SPIKE PERCENT RECOVERY SUMMARY
FOR REMEDIAL CORPORATION
PROJECT NO. 662016

	SAMPLE IDENTIFICATION	
PARAMETER	007	008
Bromochloromethane	102%	104%
1-Chloro-2-bromopropane	92%	99%
1,4-Dichlorobutane	89%	80%

princeton testing laboratory

DATE: [illegible]

JOB NO. [illegible]

AUTHORIZATION:

SAMPLE:

TO:

[illegible] Weston
5000 Central Highway
Pennsauken, NJ 08109

Attn: A. [illegible] Gohsler

REPORT OF ANALYSIS

QUALITY CONTROL

		DUP. I	DUP. II	SPIKED SOLn. ADDED	SPIKED SAMPLE	% RECOVERY
				mg/kg		
Beryllium	41305-001	< 0.5	< 0.5	10.0	[illegible]	90
Cadmium	41305-001	1.45	1.40	1.0	2.5	107
Chromium	41305-001	211	201	50.0	252	92
Copper	41305-001	26.3	24.8	10.0	34.9	93
Nickel	41304-001	41.5	38.4	10.0	51.9	11[illegible]
Lead	41305-001	21.7	20.5	5.0	24.[illegible]	7[illegible]
Zinc	41305-001	57.1	54.3	1[illegible].0	64.[illegible]	[illegible]
Arsenic	41304-012	4.3	4.1	5.[illegible]	[illegible]	[illegible]
Silver	41305-001	< 0.5	< 0.5	1.[illegible]	[illegible].11	91
Selenium	41305-002	< 0.6	< 0.6	5.[illegible]	4.2	[illegible]
Thallium	41305-001	6.5	5.9	10.0	15.[illegible]	[illegible]
Mercury	41305-005	< 0.05	< 0.05	0.5	0.46	92
Antimony	41305-001	16	16	10.[illegible]	25	[illegible]

[illegible]
Alina A. Alimas, Analyst
Water, Waste Water [illegible] Laboratory

AR101157

INTERNATIONAL TECHNOLOGY CORPORATION

May 13, 1987

Mr. Leo Brausch
Remedial Corporation
701 Alpha Drive
P.O. Box 38310
Pittsburgh, PA 15238

Laboratory Analysis
Project No. 662016

Dear Mr. Brausch:

IT Analytical Services (ITAS) has completed the additional analysis of the soil sample received in our laboratory on April 24, 1987. Results of the analyses are presented in the enclosed table and were determined in accordance with U.S. Environmental Protection Agency recommended analytical procedures.

Should you have any questions or need additional information, please contact us at the Pittsburgh Laboratory.

Very truly yours,

Steven H. Cochenour
Organics Manager

Approved By:
William S. Davis, Director
Laboratory Services

SHC;WSD:ws
Enclosure

AR101158

Regional Office
5103 Old William Penn Highway • Export, Pennsylvania 15632 • 412-731-8806

001

PITTSBURGH DISTRICT
850 POPLAR STREET
PITTSBURGH PENNSYLVANIA 15220
TEL: 412-922-4000
FAX: 412-922-4014

PTL - INSPECTORATE INC.

REPORT

Laboratory No. 885424
Client No. 1145

Order No. PMT-1356
Date 5-01-87

BULK SAMPLE ANALYSIS FOR ASBESTOS

Report For: Remcor
701 Alpha Drive
P. O. Box 38310
Pittsburgh, PA 15238

Attention: Mr. Jeff Sample
Project: Gettysburg #86270

Sample ID#	873416	873417	873418
Additional Identification Information	001 Clean Floor Dirt	002 Clean Floor Dirt	003 Clean Floor Dirt
Gross Sample Appearance			
Is the sample homogeneous?	No	No	No
Does it contain obvious layers?	No	No	No
Is the sample fibrous?	Yes	Yes	Yes
Sample color?	Dirt	Dirt	Dirt
Does the sample contain any asbestos fibers?	Yes	Yes	Yes
Asbestos Present (Type &Percent Shown)	Type 2	Type 2	Type 2
1. Chrysotile	1-3%	1-2%	1-3%
2. Amosite			
3. Crocidolite			
4. Other, specify			
Total Percent Asbestos Present in Sample	1-3%	1-2%	1-3%
Other Fibrous Materials Present (Type & Percent Shown)	Type 1 1-5%	Type 1 1-5%	Type 1 1-5%
1. Fibrous glass	Type 2	Type 2	Type 2
2. Cellulose	1-3%	1-5%	1-3%
3. Other, specify			
Nonfibrous Materials Present (Description & Percent Shown)	Not Analyzed	Not Analyzed	Not Analyzed

AR101159

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001

PTL - INSPECTORATE INC.

PITTSBURGH DISTRICT
850 POPLAR STREET
PITTSBURGH, PENNSYLVANIA 15223
TEL 412-922-4000
FAX 412-922-4014

Laboratory No. 885424
Client No. 1145

REPORT

Order No. PMT-1356
Date 5-01-87

BULK SAMPLE ANALYSIS FOR ASBESTOS

Report For: Remcor
701 Alpha Drive
P. O. Box 38310
Pittsburgh, PA 15238

Attention: Mr. Jeff Sample
Project: Gettysburg #86270

Sample ID#	873419	873420	873421
Additional Identification Information	004 Clean Floor Dirt	005A East End Stockpile - Soil Mat'l	006A West End Stockpile - Soil Mat'l
Gross Sample Appearance			
Is the sample homogeneous?	No	No	No
Does it contain obvious layers?	No	No	No
Is the sample fibrous?	Yes	Yes	Yes
Sample color?	Dirt	Dirt	Dirt
Does the sample contain any asbestos fibers?	Yes	Yes	Yes
Asbestos Present (Type &Percent Shown)	Type 2	Type 2	Type 2
1. Chrysotile	1-3%	1-3%	1-3%
2. Amosite			
3. Crocidolite			
4. Other, specify			
Total Percent Asbestos Present in Sample	1-3%	1-3%	1-3%
Other Fibrous Materials Present (Type & Percent Shown)	Type 1 1-5%	Type 1 1-5%	Type 1 1-5%
1. Fibrous glass	Type 2	Type 2	Type 2
2. Cellulose	1-3%	1-5%	1-3%
3. Other, specify			
Nonfibrous Materials Present (Description & Percent Shown)	Not Analyzed	Not Analyzed	Not Analyzed

Analytical Analysis Method: EPA recommended PLM with dispersion staining.

Analyzed By:

Joseph P. Moeslein
Asbestos Technician

AR101160

Reviewed and Approved By:

Asbestos Laboratory

Distribution: 1 Client Verbals to Jeff Sample by Dawna Pitzer 4-29-87
kaa

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INTERNATIONAL TECHNOLOGY CORPORATION

May 12, 1987

Mr. Leo Brausch
Remedial Corporation
701 Alpha Drive
P.O. Box 38310
Pittsburgh, PA 15238

Laboratory Analysis
Project No. 662016

Dear Mr. Brausch:

IT Analytical Services (ITAS) has completed the analysis of the four soil samples received in our laboratory on April 24, 1987. Results of the analyses are presented in the enclosed tables and were determined in accordance with recommended analytical procedures.

Should you have any questions or need additional information, please contact us at the Pittsburgh Laboratory.

Very truly yours,

Steven H. Cochenour
Organics Manager

Approved By:
William S. Davis, Director
Laboratory Services

SHC;WSD:ws
Enclosure

AR101161

Regional Office
5103 Old William Penn Highway • Export, Pennsylvania 15632 • 412-731-8806

TABLE 1

METALS ANALYSIS SUMMARY
FOR REMEDIAL CORPORATION
PROJECT NO. 662016

SAMPLE IDENTIFICATION	PARAMETER CHROMIUM mg/kg[1]	COPPER mg/kg	LEAD mg/kg
005	400	820	3100
006	120	200	670

	Analytical Spike Percent Recovery		
	CHROMIUM	COPPER	LEAD
005	107%	--	--
006	--	104%	115%

[1] mg/kg = milligrams per kilogram or parts per million.

TABLE 2

1,1,1-TRICHLOROETHANE AND TRICHLOROETHYLENE ANALYSIS SUMMARY
OF SOIL SAMPLES
FOR REMEDIAL CORPORATION
PROJECT NO. 662016

		SAMPLE IDENTIFICATION	
PARAMETER	UNITS	007	008
1,1,1-Trichloroethane	µg/kg[1]	<5.0	<5.0
Trichloroethylene	µg/kg	8.1	15

[1] µg/kg = micrograms per kilogram or parts per billion.

CHAIN OF CUSTODY RECORD

Project Name [illegible] Sample Team [illegible]

Project Number [illegible] Lab Destination [illegible]

Sample No.	Sample Location	Description	Date & Time Collected	Sample Type	Container Type	Condition on Receipt (Name & Date)
[illegible]	[illegible]	Soil [illegible]	[illegible]	Soil	[illegible]	
[illegible]	[illegible]	Soil [illegible]	[illegible]	Soil	[illegible]	

Special Instructions: Sample [illegible] and [illegible] where split at [illegible] and [illegible] to [illegible] Inc. [illegible] Sample [illegible] by [illegible] for [illegible] only

Possibly Lab Hazards:

Signatures: (Name, Company, Date & Time)

1. Relinquished By [illegible] [illegible]
   Received By [illegible]
2. Relinquished By [illegible]
   Received By [illegible]
3. Relinquished By
   Received By
4. Relinquished By
   Received By

Authorization
For Disposal

Disposed By

From the Desk of

Leo M. Brasch

Recap 8270

48-hrs. forward

Samples 005 and 006

1. Doubly spike to
   a second 250-ml bottle
   (0054 and 0064) and
   return to Dance Cell
   pick up.

2. Analyze for total
   - Chromium
   - Nickel Copper
   - Lead

Samples 007 and 008

3. Analyze for
   Acrylonitrile
   1,1,2-trichloroethane

AR101165

REMCOR

CHAIN OF CUSTODY RECORD

Project Name: Pittsburg

Project Number: 96 270

Sample Team: Dennis Arnold

Lab Destination: ACCTS PITT

Sample No.	Sample Location	Description	Date & Time Collected	Sample Type	Container Type	Condition on Receipt (Name & Date)
001		Above Pump Port	9-20-97 - 8:00 PM	Soil	8oz jar	
002		Above Pump Port	9-20-97 - 8:05 PM	Soil	4oz jar	
003		Above Pump Port	9-20-97 - 8:10 PM	Soil	8oz jar	
004		Above Pump Port	9-20-97 - 8:15 PM	Soil	4oz jar	
005		East End Middle	9-20-97 - 8:20 PM	Soil	8oz jar	
006		West End Middle	9-20-97 - 8:25 PM	Soil	4oz jar	
007		West End Surface	9-20-97 - 8:30 PM	Soil	70 ml	
008		East End Surface	9-20-97 - 8:35 PM	Soil	70 ml	

Special Instructions:

Possible Lab Hazards:

Signatures: (Name, Company, Date & Time)

1. Relinquished By: Dennis Arnold, Remcor — 9-23-97
   Received By: FedEx 110502325
2. Relinquished By: FedEx 110502325
   Received By: [illegible]
3. Relinquished By:
   Received By:
4. Relinquished By:
   Received By:

Authorization For Disposal:

Disposed By: