

DURACELL, INC.  
NORTH TARRYTOWN, NEW YORK

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APPENDIX TO  
ENGINEERING REPORT EVALUATING  
ON-SITE RESIDUES

~~CONFIDENTIAL~~

REPORT 5 OF 6

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PROJECT #425-1  
OCTOBER 1985

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EDER ASSOCIATES  
CONSULTING ENGINEERS, P.C.  
85 Forest Avenue  
Locust Valley, New York 11560

APPENDIX A

LABORATORY ANALYSIS  
RESULTS

This appendix presents the results of laboratory analysis performed by New York Test Environmental, Inc., Westbury, New York. Eighteen test reports were prepared under the laboratory numbers 85-10519 (A) through (R). In addition, the weights of area wipe samples are presented following the test reports. Explanatory pages have been inserted after report pages where clarifications of the designations are required.

The succeeding tables locate the laboratory report for each sample analysis as follows:

<u>Table</u>	<u>Sample Type</u>	<u>Analysis</u>
A-1	Area Wipe Samples	Metals
A-2	Ductwork Samples	Metals
A-3	Air Handling Unit Filter Samples	Metals
A-4	Miscellaneous Samples	Metals & Cyanides
A-5	Miscellaneous Samples	Hazardous Waste Characteristics
A-6	Miscellaneous Samples	EP Toxicity
A-7	Roof Runoff Samples	Metals
A-8	On-Site Soil Samples	Metals
A-9	On-Site Soil Samples	EP Toxicity
A-10	Quality Control Analysis	--

TABLE A-1

AREA WIPE SAMPLES

METAL ANALYSIS

	<u>Area</u>	<u>Sample Designation</u>	<u>Report</u>	<u>Page</u>
1.	floor	A-1-F	A	9
	ceiling	A-1-C	A	9
2.	floor	A-2-F	A	7
	ceiling	A-2-C	A	7
3.	floor	A-3-F	A	8
	ceiling	A-3-C	A	8
4.	floor	A-4-F	A	8
	ceiling	A-4-C	A	8
5.	floor	A-5-F	A	8
	ceiling	A-5-C	A	8
6.	floor	A-6-F	A	7
	ceiling	A-6-C	A	7
7.	floor	A-7-F	A	8
	ceiling	A-7-C	A	8
8.	floor	A-8	A	2
9.	floor & ceiling	A-9	A	2
10.	floor	A-10	A	2
	10A.1	A-10, A-2	A	3
	10A.2	A-10, A-2	A	2
11.	floor	A-11	A	2
	A.	A-11A	A	3
	B.	A-11B	A	3
	C.	A-11C	A	3
12.	floor	A-12-F	A	9
	ceiling	A-12-C	A	9
13.	floor	A-13	A	4
14.	floor	A-14	A	9
15.	floor	A-15	B	6

TABLE A-2

DUCTWORK SAMPLES  
METAL ANALYSIS

	<u>Duct System</u>	<u>Sample Designation</u>	<u>Report</u>	<u>Page</u>
1.	ED-1	D-31-33	A	6
2.	ED-2	D-30/32	A	6
3.	ED-3	D-28	A	6
4.	ED-4	D-26A	A	6
5.	ED-5	D-26	A	5
6.	ED-6	D-37	A	4
7.	ED-7	D-71	A	10
8.	ED-8	D-64	A	10
9.	SAD-1	D-26-SA	A	10
10.	RAD-2	D-28/48	A	10

TABLE A-3

AIR HANDLING UNIT FILTER SAMPLES  
METAL ANALYSIS

	<u>Air Handling Unit</u>	<u>Sample Designation</u>	<u>Report</u>	<u>Page</u>
1.	AHU-1	F-26	A	4
2.	AHU-2	F-46	A	4
3.	AHU-3	F-57	A	4
4.	AHU-4	F-25	A	4
5.	AHU-8, 9, 10	F-12	A	10

TABLE A-4

MISCELLANEOUS SAMPLES  
METAL AND CYANIDES ANALYSIS

<u>Sample</u>	<u>Sample Designation</u>	<u>Report</u>	<u>Page</u>
1. East Floor Trench	Comp. E Trench 1, 2, 3	A	7
2. West Floor Trench	West Trench	A	6
3. Manhole Area 7	M-28	A	9
4. Baghouse 1, 2 & 3	Baghouse	A	5
5. Baghouse 4	E-26	A	5
6. Cyclone	Hivac System	A	5
7. KOH Tanks	KOH Tanks	A	5
8. Scrubber Tank	Scrubber	A	6
9. Concrete Pit	Pit 2	Metals - A	15
		Cyanides - A	16

TABLE A-5

MISCELLANEOUS SAMPLES  
HAZARDOUS WASTE CHARACTERISTICS

<u>Sample</u>	<u>Sample Designation</u>	<u>Report</u>	<u>Page</u>
1. KOH Tanks	ROH Tanks	A	16
2. Scrubber Tank	Scrubber	A	16



TABLE A-6

MISCELLANEOUS SAMPLES  
EP TOXICITY ANALYSIS

<u>Sample</u>	<u>Sample Designation</u>	<u>Report</u>	<u>Page</u>
1. East Floor Trench	East Trench	F	2
2. West Floor Trench	West Trench	F	3
3. Manhold Area 7	M-28	F	4
4. Baghouse 1, 2 & 3	Bayhouse	F	5
5. Baghouse 4	E-26	F	6
6. Cyclone	High Vac	F	7
7. Area 3 Wall	Area 3 Sheetrock	L	2

TABLE A-7

ROOF RUNOFF SAMPLES

METAL ANALYSIS

	<u>Location</u>	<u>Sample Designation</u>	<u>Report</u>	<u>Page</u>
1.	RR01	RROSE	I	3
2.	RR02	RSE-1	I	3
3.	RR02 (duplicate)	RSE-1	I	3
4.	RR03	RRO-3	0	2
5.	RR04	RRO-4	0	2
6.	RR05	RRO-5	0	2
7.	RR06	RRO-6	0	2
8.	RR07	RRO-7	0	2
9.	RR08	RRO-8	0	2
10.	RR09	RRO-9	0	2

TABLE A-8

ON-SITE SOIL SAMPLES  
METAL ANALYSIS

	<u>Sample Designation</u>	<u>Depth</u>	<u>Report</u>	<u>Page</u>
1.	BH-2	0	A	14
		13	A	14
2.	BH-3	0	A	14
		13	A	14
3.	BH-4	0	A	14
		13	A	14
4.	BH-5	0	A	15
		13	A	15
5.	BH-6	0	A	13
		13	A	13
6.	BH-7	0	A	13
		13	A	13
7.	BH-8	0	B	2
		5	H	2
		13	B	2
8.	BH-9	0	A	13
		5	D	2
		13	A	13
9.	BH-10	0	B	2
		13	B	2
7.	BH-11	0	B	2
		5	H	2
		13	B	2
8.	BH-12A	0	B	6
		5	Q	2
		13	B	6
9.	BH-13	0	B	6
		5	D	2
		13	B	6

Table A-8 Continued . . .

<u>Sample Designation</u>	<u>Depth</u>	<u>Report</u>	<u>Page</u>
10. BH-14	0	A	11
	5	H	2
	13	A	11
11. BH-15	0	A	11
	13	A	11
12. BH-16	0	A	12
	5	H	2
	13	A	12
13. BH-17	0	A	12
	13	A	12
14. BH-18	0	B	5
	5	D	2
	13	B	5
15. BH-19	0	A	12
	13	A	12
14. BH-20	0	B	4
	5	H	2
	13	B	4
15. BH-21	0	B	4
	5	H	2
	13	B	4
16. BH-22	0	B	4
	5	H	2
	13	B	4
17. BH-23	0	B	3
	5	Q	2
	13	B	3
18. BH-24	0	B	3
	5	Q	2
	13	B	3
19. BH-25	1	B	5
	5	D	2
	9	B	5
20. BH-26	0	A	11
	5	D	2
	13	A	11

Table A-8 Continued . . .

<u>Sample Designation</u>	<u>Depth</u>	<u>Report</u>	<u>Page</u>
21. BH-27	0	B	5
	13	B	5
22. BH-28	0	B	3
	5	D	2
	13	B	3
	13 duplicate	Q	2
23. BH-29	18	G	2
	24	G	2
	34	G	2
24. BH-30	18	G	2
	18 (Duplicate)	G	2
	24	G	2
25. BH-31	18	G	2
	28	G	2
	38	G	2
26. BH-32	18	P	2
	26	P	2
	34	P	2
27. BH-33	18	P	2
	28	P	2
	33	P	2
28. BH-34	18	P	2
	24	P	2
27. BH-35	18	P	2
	28	P	2
	38	P	2
28. S-1	--	P	2
29. S-3	--	P	2
30. S-5	--	P	2
31. S-7	--	P	2
32. S-9	--	P	2

Table A-8 Continued . . .

	<u>Sample Designation</u>	<u>Depth</u>	<u>Report</u>	<u>Page</u>
33.	S-11	--	P	2
34.	S-13	--	P	2
35.	S-15	--	P	2
	S-15 (Duplicate)	--	P	2
36.	S-17	--	P	2
37.	S-19	--	I	2
38.	S-20	--	I	2

TABLE A-9

ON-SITE SOIL SAMPLES  
EP TOXICITY ANALYSIS

<u>Sample Designation</u>	<u>Depth</u>	<u>Report</u>	<u>Page</u>
1. BH-9	0	C	2
	13	C	3
2. BH-11	0	J	5
	5	K	2
	13	J	6
3. BH-12A	0	M	2
	5	M	6
	13	J	11
4. BH-13	0	C	4
	5	J	12
	13	C	5
5. BH-16	0	J	4
	5	K	3
6. BH-18	0	C	6
	5	J	13
	13	C	7
7. BH-22	0	J	9
	5	K	4
	13	J	10
8. BH-23	0	M	3
	5	M	7
	13	J	7
9. BH-24	0	M	4
	5	M	8
	13	J	8
10. BH-25	1	C	8
	1 (Duplicate)	R	2
	5	J	14
	9	C	9
	9 (Duplicate)	R	3

Table A-9 Continued . . .

<u>Sample Designation</u>	<u>Depth</u>	<u>Report</u>	<u>Page</u>
11. BH-26	0	C	10
	0 (Duplicate)	J	2
	5	J	15
	13	C	11
	13 (Duplicate)	J	3
12. BH-28	0	C	12
	5	M	5
	13	C	13
	13 (Duplicate)	R	4



TABLE A-10

QUALITY CONTROL ANALYSIS

<u>Sample Designation</u>	<u>Report</u>	<u>Page</u>
1. Area wipe sampling blank	A	7
2. On-site soil sampling		
<u>Phase I</u>		
tap water rinse	A	15
distilled water rinse		
metals	A	15
cyanide	A	16
<u>Phase II</u>		
tap water rinse	N	1
distilled water rinse	N	1
3. Spike Recovery	J	16
4. Spike Recovery	M	9



## REPORT OF TESTS

Date: April 20, 1985

Lab. No.: 85-10519(A)

Client

Sive, Paget & Riesel

Material

Eighty-One (81) Assorted Samples

Identification

See the following pages.

Client's Order No.

Pending

Submitted for

Chemical Analysis

(For results, see the following pages)

Report prepared by:

Remo Gigante, Laboratory Director

### CERTIFICATION

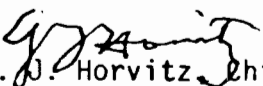
We certify that this report is a true report of results obtained from our tests of this material.

To:

Eder Associates Consulting  
Engineers, P.C.  
85 Forest Avenue  
Locust Valley, N. Y. 11560  
Att: Joseph B. Hellmann, P.E.

Respectfully submitted,

Nyttest Environmental Inc.

  
G. J. Horvitz, Chief Officer

mg

Report on sample(s) furnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.



Lab No. 85-10519 (A)

RESULTS:

Samples Received 3/18/85

Sample Identification

<u>Results in - (mg/kg)</u>	<u>A-10-A-2 2 1/2 SF</u>	<u>A-10 10 SF</u>	<u>A-8 9 1/2 SF</u>	<u>A-9 10 SF</u>	<u>A-11 5 SF</u>
Arsenic	1.69	6.66	1.04	1.75	< 0.17
Barium	411.55	88.77	314.98	237.22	22.38
Cadmium	18.45	13.76	6.54	7.56	12.12
Chromium	13.83	18.29	14.45	20.96	8.57
Lead	2259.15	552.15	401.49	337.89	122.31
Mercury	200.00	266.31	50.08	77.27	96.39
Selenium	0.14	0.22	0.83	0.16	< 0.17
Silver	22.34	12.03	625.00	< 0.19	8.78
Zinc	2028.17	793.16	1200.75	1133.38	258.86
Total Solids	740502	435488	378888	304824	268622

< = Less than



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Lab No 85-10519 (A)

RESULTS:

Samples Received 3/18/85

Sample Identification

<u>Results in - (mg/kg)</u>	<u>A-11A 5 SF</u>	<u>A-11B 6 SF</u>	<u>A-11C 65 F</u>	<u>A-10A Bottle</u>
Arsenic	2.85	1.95	3.23	11.61
Barium	18.43	26.80	519.21	74.80
Cadmium	0.88	28.31	12.10	1.30
Chromium	2.50	8.04	8.41	97.95
Lead	22.60	61.79	264.74	53.86
Mercury	27.918	39.474	452.64	78.552
Selenium	< 0.22	0.24	0.19	0.34
Silver	4.04	9.70	15.86	1.57
Zinc	801.23	220.27	1973.75	309.08
Total Solids	487759	594211	381003	-

< = Less than

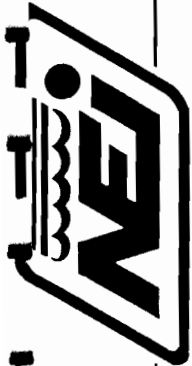
EXPLANATION

Lab. No. 85 - 10519 (A)  
Page 3

A-11C should be A-11C  
65F                      6SF

A-10A is A-10A-1  
Bottle

Lab No. 85-10519 (A)



Environmental Analytical Services for a Safe Environment, Inc.

RESULTS:

Samples Received 3/19/85

Sample Identification

Results in - (mg/kg)	F-26 64 sq.in.	F-46 64 sq.in.	F-57 107 sq.in.	F-25 40 sq.in.	A-13 7 SF	5 Wipes D-37 2 1/2 SF
Arsenic	0.43	3.61	< 0.78	2.81	6.55	14.33
Barium	11.93	155.24	37.33	167.95	259.52	38.96
Cadmium	3.66	35.47	6.99	32.61	21.69	8.24
Chromium	5.37	34.39	5.29	66.69	78.51	8.78
Lead	231.94	1076.71	330.64	1415.32	848.96	309.90
Mercury	638.84	703.97	482.11	456.78	2877.61	331.39
Selenium	0.85	2.56	3.11	1.05	1.02	0.22
Silver	7.84	16.16	13.06	11.03	107.16	0.67
Zinc	205.28	11651.62	482.12	1942.38	2118.30	4223.02
Total Solids	9631111	937841	969208	323457	519669	394020

< = Less than

EXPLANATION

Lab. No. 85 - 105191 (A)

Page 4

F-26 is AHU-1

F-46 is AHU-2

F-57 is AHU-3

F-25 is AHU-4

D-37 is ED-6



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

Lab No. 85-10519 (A)

RESULTS:

Samples Received 3/19/85

Sample Identification

Results in - (mg/kg)	Sample Identification				ROH Tanks
	6 Wipes D-26 3 SF	Bag House	Hivac System	E-26	
Arsenic	1.84	0.69	1.54	0.23	0.24
Barium	7.36	138.58	26.19	< 2.32	< 0.05
Cadmium	3.11	6.68	28.40	0.65	< 0.01
Chromium	16.11	4.51	2.81	< 0.46	0.79
Lead	106.54	194.24	17788.91	6.35	0.48
Mercury	54.78	651473.29	657164.86	10.89	< 0.01
Selenium	< 0.20	1.61	0.19	< 0.23	< 0.01
Silver	< 0.25	106998.15	64406.78	6.90	0.10
Zinc	93.72	997.70	1931.05	18.06	0.01
Total Solids	435697	995117	995714	995749	-

< = Less than

call box 1021 □ 75 urban avenue, westbury, n.y. 11590 □ (516) 334/7770, (718) 297/1449



EXPLANATION

Lab. No. 85 - 10519 (A)

Page 5

D-26 is ED-5

Baghouse is Baghouse 1, 2 & 3

Hivac System is Cyclones

E-26 is baghouse 4

ROH should be KOH

- Analysis units should be mg/l



RESULTS:

Samples Received 3/20/85

Sample Identification

<u>Results in - (mg/kg)</u>	<u>West Trench</u>	<u>Scrubber</u>	<u>D-31-33 18 sq.in.</u>	<u>D30/32 24 sq.in.</u>	<u>D-28 3 SF</u>	<u>D-26A R SF</u>
Arsenic	13.27	0.58	3.61	3.66	1.97	2.02
Barium	688.15	< 0.05	8.82	33.16	55.65	90.79
Cadmium	41.23	0.01	12.07	10.68	17.97	22.88
Chromium	20.19	< 0.01	157.88	21.02	15.16	97.84
Lead	791.94	< 0.03	174.93	594.32	450.92	405.84
Mercury	426.54	0.08	693.94	39.19	208150.74	265.16
Selenium	0.24	1.21	4.61	0.22	< 0.22	< 0.23
Silver	74.31	0.05	< 0.24	< 0.26	39526.73	23.06
Zinc	5360.19	0.32	275.17	86304.91	21779.14	9271.91
Total Solids	998684	-	930796	454470	472466	363493

< = Less than

EXPLANATION

Lab. No. 85 - 10519 (A)

Page 6

D-31-33 is ED-1

D-30/32 is ED-2

D-28 is ED-3

D-26A is ED-4

RSF    2SF

Analysis units for scrubber should be mg/l



RESULTS:

Samples Received 3/20/85

Sample Identification

Results in - (mg/kg)	A-2F 10 SF	A-2C 3 SF	Blank 3 SF	A-39F 5 SF	A-39C 3 SF	Comp. E Trench 1, 2, 3
Arsenic	< 0.20	0.52	< 0.24	2.19	4.76	< 0.20
Barium	174.25	231.04	< 2.41	79.65	96.55	13.50
Cadmium	1.73	6.92	0.48	19.04	97.37	44.79
Chromium	1.41	36.95	< 0.48	8.60	20.63	19.10
Lead	54.65	184.41	1.88	249.64	1554.85	480.16
Mercury	80.48	83.51	0.34	111.70	761.56	118.61
Selenium	0.40	0.87	< 0.24	0.48	1.36	< 0.20
Silver	3.02	19.14	< 0.29	32.25	49.37	81.31
Zinc	276.06	3169.80	7.24	1769.31	4895.74	8229.04
Total Solids	296203	272595	81020	426348	484532	654711

< = Less than

EXPLANATION

Lab. No. 85 - 10519 (A)

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A-39F is A-6-F

A-39C is A-6-C



RESULTS:

Samples Received 3/21/85

Sample Identification

<u>Results in - (mg/kg)</u>	<u>A-38-F</u> 5 SF	<u>A-38-C</u> 2 1/2 SF	<u>A-32-F</u> 5 SF	<u>A-37-C</u> 2 1/2 SF	<u>A-7-F</u> 10 SF	<u>A-7-C</u> 4 1/2 SF	<u>A-3-F</u> 11 1/2 SF	<u>A-3-C</u> 9 1/2 SF
Arsenic	1.33	2.36	45.22	337.04	4.52	1.02	< 0.21	1.80
Barium	281.36	10.21	220.64	73.66	31.46	20.06	178.70	31.13
Cadmium	47.79	25.26	54.78	62.03	7.36	42.37	9.86	34.56
Chromium	10.51	< 0.39	16.81	28.62	5.86	10.91	26.37	38.99
Lead	28647.70	9450.12	1362.10	355.68	618.14	330.50	1238.13	285.71
Mercury	918.73	94.27	454.03	2327.12	167.34	683.44	152.70	482.84
Selenium	1.55	0.39	< 0.19	< 0.15	0.50	< 0.17	0.62	0.60
Silver	19.92	9.78	14.07	11.64	< 0.20	29.14	15.93	44.77
Zinc	609.54	166.54	496.43	546.30	847.39	5049.30	510.11	1695.53
Total Solids	410282	232224	308372	446297	297220	390503	307703	261676

< = Less than

EXPLANATION

Lab. No. 85 - 10519 (A)

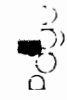
Page 8

A-38-F is A-5-F

A-38C is A-5-C

A-32-F is A-4-F

A-37-C is A-4-C



nytest

environmental

inc

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

Lcb No 85-10519 (A)

RESULTS:

Samples Received 3/22/85

Sample Identification

Results in - (mg/kg)	A-1-F 8 SF	A-1-C 3 SF	A-12-F 10 SF	A-12-C 5 1/2 SF	A-1-B 5 SF	M-28
Arsenic	< 0.21	< 0.21	0.55	< 0.23	6.56	4.51
Barium	152.16	17.79	451.28	112.36	231.97	78.35
Cadmium	1.73	4.43	7.07	6.50	9.72	15.53
Chromium	5.28	10.18	12.86	11.06	216.68	123.46
Lead	53.65	113.82	249.08	99.37	270.21	1132.00
Mercury	16.70	182.04	146.52	37.91	804.81	856.48
Selenium	< 0.21	< 0.21	< 0.18	< 0.23	< 0.18	< 0.24
Silver	2.35	10.72	40.76	4.02	12.24	294.40
Zinc	466.39	579.23	823.08	4778.88	2443.55	24881.29
Total Solids	227176	208623	264570	345812	470122	326960

< = Less than

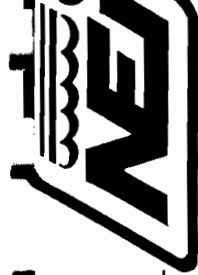


EXPLANATION

Lab. No. 85 - 10519 (A)  
Page 9

A-1-B is A-14

M-28 is Manhole Area 7



Lab. No. 85-10519 (A)

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT  
 nytest environmental inc.

RESULTS:

Samples Received 3/22/85

Sample Identification

<u>Results in - (mg/kg)</u>	D-64	D-71 2 SF	D 26 SA 3 SF	D 28/46 RA 3SF	F-12 12 sq.in.
Arsenic	0.59	3.10	0.20	3.38	1.06
Barium	77.11	118.40	7.16	114.98	105.93
Cadmium	6.37	3.99	2.59	67.67	7.84
Chromium	5.58	47.76	9.43	20.22	12.78
Lead	278.37	368.96	55.27	678.39	655.37
Mercury	37.56	140.80	270.59	4575.58	46.96
Selenium	< 0.22	< 0.22	< 0.22	1.691	1.06
Silver	< 0.24	< 0.26	2.83	18.84	8.40
Zinc	478.85	137.92	3712.69	17213.39	540.25
Total Solids	393553	454736	186789	334468	698275

< = Less than

EXPLANATION

Lab. No. 85 - 10519 (A)

Page 10

D-64 is ED-8

D-71 is ED-7

D-26/SA is SAD-1

D-28/46 is RAD-2

F-12 is AHU-8, 9, 10



RESULTS:

Samples Received 3/27/85

Sample Identification

Results in - (mg/kg)	BH 26 0	BH 26 13	BH 14 0	BH 14 13	BH 15 13	BH 15 13
Arsenic	13.64	4.21	9.77	3.15	3.58	2.69
Barium	121.09	38.45	55.24	33.01	24.01	26.46
Cadmium	11.13	< 0.11	4.66	0.89	< 0.11	< 0.12
Chromium	119.05	4.94	4.92	3.30	4.37	3.51
Lead	1032.73	6.59	16.54	5.75	6.81	5.91
Mercury	5818.18	26.00	25.18	1.71	5.38	0.20
Selenium	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.21
Silver	281.09	< 0.22	< 0.23	< 0.22	< 0.22	< 0.25
Zinc	27527.27	280.48	147.13	23.29	40.47	18.11
Total Solids	913667	851590	916973	965036	955076	959289

< = Less than

EXPLANATION

Lab. No. 85 - 10519 (A)

Page 11

The fifth column of data should be BH 15 0

The sixth column is correctly designated



RESULTS:

Samples Received 3/27/85

Sample Identification

Results in - (mg/kg)	BH 16 0	BH 16 13	BH 17 0	BH 17 13	BH 19 0	BH 19 13
Arsenic	5.37	0.05	6.68	2.21	4.89	2.77
Barium	45.76	38.67	43.32	33.97	32.07	30.52
Cadmium	5.21	< 0.14	< 0.14	< 0.13	< 0.18	< 0.12
Chromium	6.33	3.01	4.33	3.93	5.40	2.77
Lead	65.62	6.03	39.17	7.37	17.76	6.54
Mercury	151.27	0.33	11.98	1.16	59.84	2.77
Selenium	< 0.20	< 0.23	< 0.23	< 0.22	< 0.20	< 0.20
Silver	7.08	1.17	< 0.28	< 0.27	< 0.24	< 0.24
Zinc	569.44	17.90	50.09	18.13	80.17	15.42
Total Solids	926670	947508	917919	948029	918737	956048

< = Less than



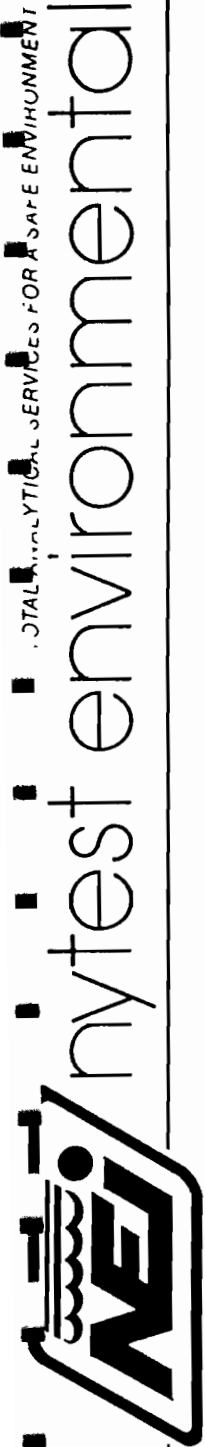
RESULTS:

Samples Received 3/27/85

Sample Identification

Results in - (mg/kg)	BH 6 0	BH 6 13	BH 7 0	BH 7 13	BH 9 0	BH 9 13
Arsenic	5.54	2.67	7.27	0.98	10.92	0.87
Barium	45.90	37.81	39.51	20.97	48.03	19.56
Cadmium	< 0.14	< 0.12	< 0.11	< 0.15	< 0.12	9.39
Chromium	4.41	5.34	4.88	2.29	4.68	2.43
Lead	23.90	5.71	13.72	6.48	32.79	7.69
Mercury	3.47	0.02	14.91	< 0.01	44.86	74.75
Selenium	< 0.23	< 0.21	0.37	< 0.24	< 0.20	< 0.22
Silver	< 0.27	< 0.25	< 0.22	< 0.29	< 0.24	< 0.26
Zinc	47.52	26.84	39.28	15.11	362.45	25.21
Total Solids	897267	930667	906653	959686	897553	953233

< = Less than



RESULTS:

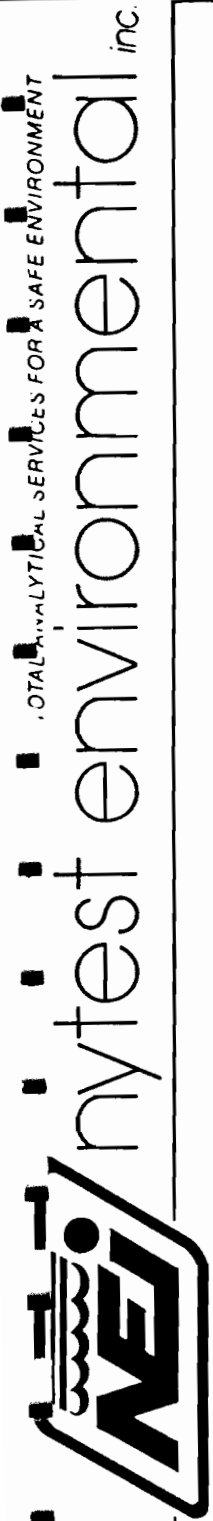
Samples Received 3/27/85

Sample Identification

Results in - (mg/kg)	BH 2	BH 2	BH 3	BH 3	BH 4	BH 4
	0	13	0	13	0	13
Arsenic	4.45	0.81	7.80	2.77	14.41	< 0.22
Barium	34.21	2.38	49.42	27.66	47.86	24.23
Cadmium	< 0.14	< 0.12	< 0.11	< 0.13	< 0.14	< 0.13
Chromium	3.84	2.78	5.28	3.19	12.55	1.54
Lead	43.96	5.76	46.71	6.64	95.77	6.83
Mercury	18.28	0.10	0.47	0.08	17.19	< 0.01
Selenium	< 0.23	< 0.20	< 0.19	< 0.21	< 0.23	< 0.22
Silver	< 0.28	< 0.24	< 0.22	< 0.26	< 0.28	< 0.26
Zinc	45.69	18.05	91.23	20.00	141.17	16.83
Total Solids	916667	979453	916447	940101	922996	961850

< = Less than





RESULTS:

Samples Received 3/27/85

Sample Identification

<u>Results in - (mg/kg)</u>	<u>BH 5</u> 0	<u>BH 5</u> 13	<u>Wash</u> <u>Water</u>	<u>Pit 2</u>	<u>Dist.</u> <u>Water 2</u>
Arsenic	9.61	3.82	< 0.01	< 0.01	< 0.01
Barium	44.48	25.61	< 0.05	< 0.05	< 0.05
Cadmium	1.51	< 0.14	0.003	0.61	< 0.06
Chromium	10.67	3.91	< 0.01	< 0.01	< 0.01
Lead	64.30	6.96	< 0.03	< 0.03	< 0.03
Mercury	20.73	0.40	< 0.01	< 0.01	< 0.01
Selenium	< 0.19	< 0.23	< 0.01	< 0.01	< 0.01
Silver	< 0.23	< 0.27	0.01	0.01	< 0.01
Zinc	207.31	22.46	0.069	0.072	< 0.003
Total Solids	888763	891066	-	-	-

< = Less than

EXPLANATION

Lab. No. 85 - 10519 (A)

Page 15

Pit 2 is concrete pit

- Analysis units should be mg/l

Wash water is rinse water



RESULTS:

pH at 20 deg. C.

Reactivity

<u>Sample Identification</u>	
ROH Tanks	Scrubber
13.80	9.89
None	None

Cyanide, (mg/kg)

<u>Sample Identification</u>	
Pit 2	Dist Water 2
< 0.02	< 0.02

< = Less than

EXPLANATION

Lab. No. 85 - 10519 (A)

Page 16

ROH should be KOH

Pit 2 is concrete pit

- Analysis units should be mg/l



## REPORT OF TESTS

Date: April 30, 1985

Lab. No.: 85-10519 (B)

Client	Sieve, Pagnet & Riesel
Material	Twenty-Nine (29) Assorted Samples
Identification	See the following pages.
Client's Order No.	Pending
Submitted for	<u>Chemical Analysis</u>

(For results, see the following pages.)

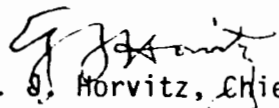
Report prepared by:  
Remo Gigante  
Laboratory Director

CERTIFICATION

To:  
Eder Associates Consulting  
Engineers, P.C.  
85 Forest Avenue  
Locust Valley, N.Y. 11560  
Att: Joseph B. Hellmann, P.E.  
ef

We certify that this report is a true report of results obtained from our tests of this material.

Respectfully submitted,  
Nyttest Environmental Inc.

  
G. J. Horvitz, Chief Officer

Report on sample(s) furnished by client applies to sample(s) Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests. Nytest shall have the option of returning such sample(s) to the client at the client's expense



RESULTS:

Results in - (mg/kg):	Sample Identification						
	BH8-0	BH9-13	BH10-0	BH10-13	BH11-0	BH11-13	
Arsenic	4.99	1.78	5.19	1.99	6.83	2.54	
Barium	35.53	28.50	28.22	33.60	55.04	36.29	
Cadmium	1.28	12.55	< 0.14	< 0.14	0.97	< 0.14	
Chromium	6.31	4.95	5.89	6.94	19.91	6.16	
Lead	41.72	4.55	70.41	1.86	568.91	7.41	
Mercury	33.13	0.59	8.80	0.09	114.49	1.75	
Selenium	0.40	1.58	< 0.20	0.88	< 0.20	< 0.20	
Silver	< 0.28	< 0.28	< 0.28	< 0.28	3.26	< 0.28	
Zinc	359.68	19.32	126.56	20.82	546.46	35.35	
Total Solids	938312	952243	912716	930990	946479	903849	
Cyanide	< 0.02	< 0.02	-	-	-	-	

< = Less than



RESULTS:

Results in - (mg/kg):	Sample Identification					
	<u>BH23-0</u>	<u>BH23-13</u>	<u>BH24-0</u>	<u>BH24-13</u>	<u>BH28-0</u>	<u>BH28-13</u>
Arsenic	1.89	2.19	3.97	1.23	5.31	1.43
Barium	31.36	27.07	32.14	18.43	43.58	24.11
Cadmium	18.93	< 0.14	20.53	0.81	0.53	0.33
Chromium	7.25	4.70	6.22	2.91	5.68	4.45
Lead	47.60	3.90	54.77	7.87	56.38	8.05
Mercury	491.12	4.06	414.65	6.86	454.72	490.40
Selenium	0.76	1.19	1.04	0.43	< 0.20	< 0.20
Silver	11.71	< 0.28	14.51	0.56	1.25	0.74
Zinc	1175.29	524.28	982.72	94.73	163.70	68.66
Total Solids	915768	954961	847862	926300	927645	931247

< = Less than



RESULTS:

Sample Identification

<u>Results in - (mg/kg):</u>	<u>BH20-0</u>	<u>BH20-13</u>	<u>BH21-0</u>	<u>BH21-13</u>	<u>BH22-0</u>	<u>BH22-13</u>
Arsenic	5.97	1.53	8.65	2.49	3.31	3.07
Barium	43.14	21.80	52.74	19.12	59.65	32.35
Cadmium	< 0.14	< 0.14	< 0.14	< 0.14	7.25	< 0.14
Chromium	7.63	4.40	7.21	4.78	8.37	4.26
Lead	37.79	2.48	58.14	1.66	39.56	2.83
Mercury	34.48	4.62	32.37	0.92	208.16	2.24
Selenium	0.77	1.31	1.24	1.66	0.83	2.05
Silver	< 0.28	< 0.28	0.62	< 0.28	6.38	< 0.28
Zinc	41.99	18.09	40.91	19.24	1019.06	18.02
Total Solids	886888	951656	880949	956519	954995	951661

< = Less than





RESULTS:

Results in - (mg/kg):

	Sample Identification					
	<u>BH25-0</u>	<u>BH25-9</u>	<u>BH27-0</u>	<u>BH27-13</u>	<u>BH18-0</u>	<u>BH18-13</u>
Arsenic	4.58	2.54	7.39	3.09	1.46	3.40
Barium	36.64	25.42	48.90	24.69	32.58	23.82
Cadmium	< 0.14	< 0.14	< 0.14	< 0.14	5.26	0.98
Chromium	5.50	5.50	5.72	3.94	9.94	7.64
Lead	40.82	6.84	36.58	2.16	37.01	15.43
Mercury	1594.71	15.11	16.11	0.24	334.17	139.13
Selenium	< 0.20	3.24	1.52	1.54	0.84	1.51
Silver	0.92	< 0.28	< 0.28	< 0.28	11.70	3.67
Zinc	135.01	2293.90	37.26	16.20	2443.61	1015.50
Total Solids	884534	936088	858616	959111	927290	959804

< = Less than

EXPLANATION

Lab. No. 85 - 10519 (B)

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BH25-0 should be BH25-1

Lab No 85-10519 (B)

RESULTS:

Sample Identification

	<u>BH12-A0</u>	<u>BH12A-A13</u>	<u>BH13-0</u>	<u>BH13-13</u>	<u>A126-3-26</u>
<u>Results in - (mg/kg):</u>					
Arsenic	8.28	2.08	2.98	3.09	8.80
Barium	26.59	29.11	21.43	15.43	111.46
Cadmium	19.35	< 0.14	< 0.14	< 0.14	3.75
Chromium	9.76	6.28	5.08	5.55	56.00
Lead	49.41	9.06	11.55	5.24	499.55
Mercury	828.25	6.40	154.76	73.26	236.91
Selenium	0.87	< 0.20	< 0.20	< 0.20	< 0.20
Silver	144.51	< 0.28	1.43	< 0.23	26.40
Zinc	4928.07	53.64	225.40	115.70	2797.83
Total Solids	885849	951875	947832	949173	448659

< = Less than

EXPLANATION

Lab. No. 85 - 10519 (B)

Page 6

A126-3-26 is A-15

6 SF



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

LAB. NO. 85-10519 (C)

P.O. NO. PENDING

REPORT OF ANALYSIS

FOR

SIVE, PAGET & RIESEL  
425 PARK AVENUE  
NEW YORK, NEW YORK 10022

MAY 28, 1985



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Lab. No.: 85-10519 (C)

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6.0 CONCLUSION	14
7.0 CERTIFICATION AND SIGNATURES	14



Page: 1

Lab. No.: 85-10519 (c)

## 1.0 References

- 1.1 Client purchase order number: Pending
- 1.2 Lab. No.: 85-10519 (c)
- 1.3 Identification and listing of Hazardous Waste. Federal Register, Vol. 45 No. 98, May 19, 1980
- 1.4 Handbook for analytical Quality Control in Water-Wastewater Laboratories - EPA-600/4-79-019, March, 1979

## 2.0 Description of Tests

- 2.1 E P Toxicity: Ref. 1.3 para. 261.24

Identifies materials whose constituents may have a tendency to leach or migrate when disposed of improperly. The liquid phase of a sample is separated. The solid phase is extracted at pH 5 with aqueous acetic acid for 24 hours. The extract is combined with the liquid phase and analyzed.

## 3.0 Test Requirements

1. E P Toxicity - Table 1

## 4.0 Sample Identification

BH 9 - 0	BH 25 - 1
BH 9 - 13	BH 25 - 9
BH 13 - 0	BH 26 - 0
BH 13 - 13	BH 26 - 13
BH 18 - 0	BH 28 - 0
BH 18 - 13	BH 28 - 13



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Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results5.1 Sample Marked BH 9 - 0

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/27 - 3/29/85

5.1.1 Results                      Max. Allowable Levels                      FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	.28
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	-	5.32

&lt; = Less than





Page: 3

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results

5.2 Sample Marked BH 9 - 13

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

Date Received by Nytest Environmental Inc.: 3/27 - 3/29/85

5.2.1 Results                      Max. Allowable Levels                      Found

E P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.22
Cadmium	1.0	0.06
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	-	0.17

< = Less than



Page: 4

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results5.3 Sample Marked BH 13 - 0

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/27 - 3/29/85

5.3.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.15
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	-	0.14

&lt; = Less than



Page: 5

Lab. No.: 85-10519 (c)

5.0 Sample Identification and Results5.4 Sample Marked BH 13 - 13

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/27 - 3/29/85

5.4.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	.16
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	-	1.97

&lt; = Less than



Page: 6

Lab. No.: 85-10519 (c)

5.0 Sample Identification and Results5.5 Sample Marked BH 18 - 0

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/27 - 3/29/85

5.5.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	.27
Cadmium	1.0	.09
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	.05
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	-	59.60

&lt; = Less than



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Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results5.6 Sample Marked BH 18 - 13

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/27 - 3/29/85

5.6.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.25
Cadmium	1.0	0.03
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	0.06
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	-	8.63

&lt; = Less than



Page: 8

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results5.7 Sample Marked BH 25 - 1

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/27 - 3/29/85

5.7.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	0.01
Barium	100.0	0.20
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	0.06
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	-	0.49

&lt; = Less than



Page: 9

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results5.8 Sample Marked BH 25 - 9

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/27 - 3/29/85

5.8.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.15
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	-	12.78

&lt; = Less than



Page: 10

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results5.9 Sample Marked BH 26 - 0

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/27 - 3/29/85

5.9.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.26
Cadmium	1.0	0.08
Chromium	5.0	< 0.01
Lead	5.0	0.23
Mercury	0.2	18.00
Selenium	1.0	< 0.01
Silver	5.0	0.12
Zinc	-	37.46

&lt; = Less than





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Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results5.10 Sample Marked BH 26 - 13

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/27 - 3/29/85

5.10.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.28
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	0.48
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	-	1.59

&lt; = Less than



Page: 12

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results5.11 Sample Marked BH 28 - 0

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/27 - 3/29/85

5.11.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	0.01
Barium	100.0	0.33
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	0.78
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	-	1.19

&lt; = Less than



Page: 13

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results5.12 Sample Marked BH 28 - 13

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/27 - 3/29/85

5.12.1 <u>Results</u>	<u>Max. Allowable Levels</u>	<u>Found</u>
<u>E P Toxicity (PPM)</u>		
Arsenic	5.0	< 0.01
Barium	100.0	0.14
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	0.04
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	-	0.23

&lt; = Less than



Page: 14

Lab. No.: 85-10519 (c)

6.0 CONCLUSION

Mercury exceeds limit for toxicity in the following samples:

BH 26 - 0, BH 26 - 13, BH 28 - 0

7.0 CERTIFICATION AND SIGNATURES

Report prepared by:

Remo Gigante  
Laboratory Director

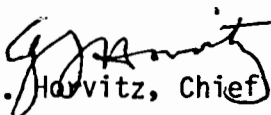
We certify that this report is a true report of results obtained from our tests of this material.

Respectfully submitted,

NYTEST ENVIRONMENTAL INC.

To:

Eder Associates Consulting  
Engineers, P.C.  
85 Forest Avenue  
Locust Valley, New York 11560

  
G. J. Horvitz, Chief Officer

Att: Joseph B. Hellmann, P.E.

bc

Report on sample(s) furnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.



## REPORT OF TESTS

Date: May 31, 1985

Lab. No.: 85-10519(D)

Client	Sive Paget and Riesel
Material	Six (6) Waste Samples
Identification	See Following Page (Samples Received 4/29/85)
Client's Order No.	Pending
Submitted for	<u>Chemical Analysis</u>

(For Results see the following page)

Report prepared by:

Remo Gigante  
Laboratory Director

We certify that this report is a true report of results obtained from our tests of this material.

Respectfully submitted,

Nyttest Environmental Inc.

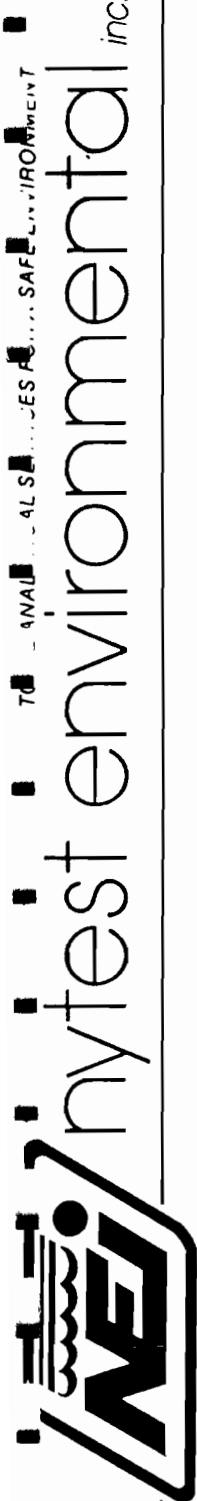
To:

Eder Associates  
Consulting Engineers, P.C.  
85 Forest Ave.  
Locust Valley, N.Y. 11560

G. J. Horvitz, Chief Officer

Att: Mr. Joseph B. Hellmann, P.E.

jw  
Report on sample(s) furnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.



Lab. No.: 85-10519(D)

RESULTS:

Sample Identification

<u>Results in PPM</u>	<u>BH-9-5</u>	<u>BH13-5</u>	<u>BH18-5</u>	<u>BH25-5</u>	<u>BH26-5</u>	<u>BH28-5</u>
Arsenic	5.18	0.72	6.05	5.51	6.90	5.08
Cadmium	< 0.10	0.25	3.38	< 0.10	< 0.10	< 0.10
Lead	3.30	8.90	96.41	3.01	10.67	2.41
Selenium	0.43	0.78	0.28	0.29	0.68	0.56
Zinc	17.81	1212.65	805.85	30.43	90.76	18.17
Barium	22.85	34.44	51.02	24.15	25.14	3.95
Chromium	4.19	15.05	8.47	5.00	5.77	3.84
Mercury	0.11	251.02	291.12	5.73	14.05	2.66
Silver	< 0.22	5.06	9.32	< 0.22	< 0.22	< 0.22

< = Less than



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Lab. No.: 85-10519(F)

P. O. NO.: Pending

REPORT OF ANALYSIS

- FOR -

SIVE, PAGET & RIESEL  
425 PARK AVENUE  
NEW YORK, NEW YORK 10022

JUNE 15, 1985



Page: CONTENTS

Lab. No. 85-10519(F)

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7.0 CERTIFICATION AND SIGNATURES	8
8.0 CHAIN OF CUSTODY	9





Page: 1.

Lab. No. 85-10519(F)

## 1.0 References

- 1.1 Client purchase order number: Pending
- 1.2 Lab. No. 85-10519(F)
- 1.3 Identification and listing of Hazardous Waste. Federal Register, Vol. 45 No. 98, May 19, 1980
- 1.4 Handbook for analytical Quality Control in Water-Wastewater Laboratories - EPA-600/4-79-019, March, 1979

## 2.0 Description of Tests

E P Toxicity: Ref. 1.3 para. 261.24

Identifies materials whose constituents may have a tendency to leach or migrate when disposed of improperly. The liquid phase of a sample is separated. The solid phase is extracted at pH 5 with aqueous acetic acid for 24 hours. The extract is combined with the liquid phase and analyzed.

## 3.0 Test Requirements

1. E P Toxicity - Table 1 (Metals)

## 4.0 Sample Identification

East Trench  
West Trench  
M-28  
Bayhouse  
E-26  
High Vac



Page: 2

Lab No 85-10519(F)

5.0 Sample Identification and Results5.1 Sample Marked East Trench

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/19 &amp; 3/21/85

5.1.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	0.01
Barium	100.0	< 1.0
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	1.79
Selenium	1.0	< 0.01
Silver	5.0	0.13
Zinc	-	0.52

&lt; = Less than



Page 3

Lab No 85-10519(F)

5.0 Sample Identification and Results5.2 Sample Marked West Trench

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/19 &amp; 3/21/85

5.2.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	< 1.0
Cadmium	1.0	0.02
Chromium	5.0	< 0.01
Lead	5.0	0.04
Mercury	0.2	2.27
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	-	0.26

&lt; = Less than



Page. 4

Lab. No 85-10519(F)

5.0 Sample Identification and Results5.3 Sample Marked M-28

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/19 &amp; 3/21/85

5.3.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	0.01
Barium	100.0	< 1.0
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	0.007
Selenium	1.0	< 0.01
Silver	5.0	0.01
Zinc	-	1.00

&lt; = Less than

EXPLANATION

Lab. No. 85 - 10519 (F)

Page 4

M-28 is Manhole 7



Page 5

Lab No 85-10519(F)

5.0 Sample Identification and Results5.4 Sample Marked Bayhouse

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/19 &amp; 3/21/85

5.4.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	< 1.0
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	23.95
Selenium	1.0	0.02
Silver	5.0	0.14
Zinc	-	4.32

&lt; = Less than

EXPLANATION

Lab. No. 85 - 10519 (F)

Page 5

Baghouse is Baghouse 1, 2 and 3



Page: 6

Lab No 85-10519(F)

5.0 Sample Identification and Results5.5 Sample Marked E-26

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/19 &amp; 3/21/85

5.5.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	< 1.0
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	1.09
Selenium	1.0	0.01
Silver	5.0	< 0.01
Zinc	-	0.07

&lt; = Less than



EXPLANATION

Lab. No. 85 - 10519 (F)

E-26 is Baghouse 4



Page: 7

Lab No 85-10519(F)

5.0 Sample Identification and Results5.6 Sample Marked High Vac

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/19 &amp; 3/21/85

5.6.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	< 1.0
Cadmium	1.0	0.20
Chromium	5.0	< 0.01
Lead	5.0	0.24
Mercury	0.2	27.75
Selenium	1.0	0.01
Silver	5.0	< 0.01
Zinc	-	3.66

&lt; = Less than



Page: 8

Lab. No 85-10519(F)

**6.0 CONCLUSION**

Mercury exceeds limit for toxicity in the following samples:  
East Trench, West Trench, Bayhouse, E-26, High Vac.

**7.0 CERTIFICATION AND SIGNATURES**

Report prepared by:

Remo Gigante  
Laboratory Director

We certify that this report is a true  
report of results obtained from our  
tests of this material.

Respectfully submitted,

Nyttest Environmental Inc.

Remo Gigante, Laboratory Director

To:

Eder Associated Consulting  
Engineers, P.C.  
85 Forest Avenue  
Locust Valley, New York 11560

Att: Mr. Joseph B. Hellmann, P.E.

jw

Report on sample(s) furnished by client applies to sample(s) Report on sample(s) obtained by us applies only to lot sampled Information contained herein is not to be used for reproduction except by special permission Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.



## REPORT OF TESTS

Date July 16, 1985

Lab No: 85-10519(G)

Client  
Material  
Identification  
Client's Order No.  
Submitted for

Sive, Paget & Riesel  
Eight (8) Soil Samples  
See The Following Page (Samples Received 5/30, 5/31/85)  
Pending  
Chemical Analysis

(For Results, see the following page)

Report prepared by:

Remo Gigante  
Laboratory Director

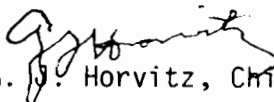
We certify that this report is a  
true report of results obtained  
from our tests of this material.

Respectfully submitted,

Nyttest Environmental Inc.

To:

Eder Associates Consulting  
Engineers, P.C.  
85 Forest Avenue  
Locust Valley, New York 11560

  
G. J. Horvitz, Chief Officer

Att: Mr. Joseph B. Hellmann, P.E.

jw

Report on sample(s) furnished by client applies to sample(s) Report on sample(s) obtained by us applies only to lot sampled Information contained herein is not to be used for reproduction except by special permission Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense



RESULTS

Results in PPM

<u>Sample Identification</u>	<u>Arsenic</u>	<u>Barium</u>	<u>Cadmium</u>	<u>Chromium</u>	<u>Lead</u>	<u>Mercury</u>	<u>Selenium</u>	<u>Silver</u>	<u>Zinc</u>
29-24	5.97	15.55	< 0.10	4.50	1.40	1.00	0.28	< 0.20	40.50
29-34	12.03	< 1.60	< 0.10	11.63	5.00	0.67	1.43	< 0.20	40.82
29-18	7.97	< 1.60	< 0.10	5.05	2.49	17.08	0.50	< 0.20	47.10
30-18	9.53	19.11	< 0.10	7.75	1.98	< 0.01	< 0.07	< 0.20	32.79
30-18 Dup.	-	21.85	< 0.10	6.85	2.98	< 0.01	-	< 0.20	32.80
30-24	12.59	26.32	< 0.10	11.36	2.67	0.03	1.23	< 0.20	46.90
31-38	7.56	1.60	< 0.10	5.63	2.95	0.05	0.63	< 0.20	32.06
31-28	9.08	1.60	< 0.10	4.96	2.93	5.22	0.13	< 0.20	36.57
31-18	7.31	1.60	< 0.10	5.30	1.88	1.14	0.20	< 0.20	32.29

< = Less than



## REPORT OF TESTS

Date: July 17, 1985

Lab. No.: 85-10519(H)

Client: Sive, Paget & Riesel  
Material: Seven (7) Soil Samples  
Identification: See the Following Page (Samples Received 6/25/85)  
Client's Order No.: Pending  
Submitted for: Chemical Analysis

(For Results, see the following page)

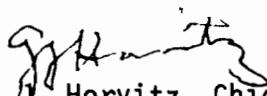
Report prepared by:

Remo Gigante  
Laboratory Director

We certify that this report is a  
true report of results obtained  
from our tests of this material.

Respectfully submitted,

Nyttest Environmental Inc.

  
G. J. Horvitz, Chief Officer

To:

Eder Associates Consulting  
Engineers, P.C.  
85 Forest Avenue  
Locust Valley, New York 11560

Att: Mr. Joseph B. Hellmann, P.E.

Encl. (Chain of Custody)

bm

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RESULTS

<u>Sample Identification</u>	<u>Results in PPM</u>									
	<u>Arsenic</u>	<u>Barium</u>	<u>Cadmium</u>	<u>Chromium</u>	<u>Lead</u>	<u>Mercury</u>	<u>Selenium</u>	<u>Silver</u>	<u>Zinc</u>	
BH 8-5	5.23	< 5.00	36.92	< 1.00	< 2.50	3.27	1.66	< 0.60	31.83	
BH 11-5	6.27	< 5.00	< 0.30	< 1.00	< 2.50	16.14	1.66	< 0.60	30.90	
BH 14-5	5.26	32.54	< 0.30	< 1.00	< 2.50	5.07	1.24	< 0.60	29.76	
BH 16-5	5.27	42.37	< 0.30	< 1.00	< 2.50	0.13	0.75	< 0.60	27.02	
BH 20-5	3.29	45.54	< 0.03	< 1.00	< 2.50	3.10	0.65	< 0.60	27.97	
BH 21-5	6.45	24.77	< 0.03	< 1.00	< 2.50	3.83	0.19	< 0.60	50.78	
BH 22-5	4.76	44.12	< 0.30	< 1.00	< 2.50	8.05	0.43	< 0.60	36.16	

&lt; = Less than



REPORT OF TESTS

Date: July 17, 1985

Lab. No.: 85-10519(1)

Client Sive, Paget & Riesel  
Material Twenty Seven (27) Soil Samples and Three (3) Water Samples  
Identification See the Following Page (Samples Received 6/26/85)  
Client's Order No. Pending  
Submitted for Chemical Analysis

(For Results, see the Following Page)

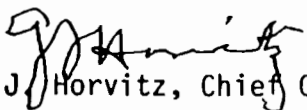
Report prepared by:

Remo Gigante  
Laboratory Director

We certify that this report is a true report of results obtained from our tests of this material.

Respectfully submitted,

NYtest Environmental Inc.

  
G. J. Horvitz, Chief Officer

To:

Eder Associates Consulting  
Engineers, P.C.  
85 Forest Avenue  
Locust Valley, New York 11560

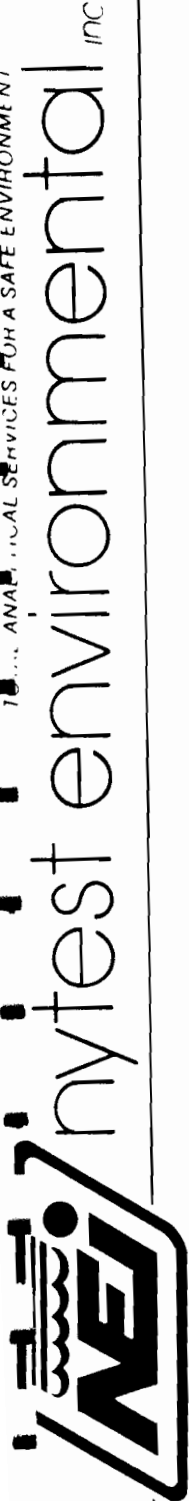
Att: Mr. Joseph B. Hellmann, P.E.

Encl. (Chain of Custody)

bem

Report on sample(s) furnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense





Lab. No 85-10519(I)

RESULTS

Results in PPM

<u>Sample Identification</u>	<u>Soils</u>	<u>Arsenic</u>	<u>Barium</u>	<u>Cadmium</u>	<u>Chromium</u>	<u>Lead</u>	<u>Mercury</u>	<u>Selenium</u>	<u>Silver</u>	<u>Zinc</u>
6/26/85	S 19	10.40	45.33	< 0.30	11.23	129.40	11.31	2.23	< 0.50	236.99
	S 20	12.08	74.75	< 0.30	25.51	154.73	11.91	3.70	< 0.50	383.23
	S 21	9.37	103.66	< 0.30	7.95	440.36	22.68	1.61	< 0.50	876.79
	S 22	6.93	42.56	< 0.30	5.23	83.59	9.35	1.35	< 0.50	841.30
	S 23	5.13	38.46	< 0.30	17.04	78.91	23.60	2.15	< 0.50	202.65
	S 24	5.80	44.25	< 0.30	9.99	77.43	3.20	0.89	< 0.50	120.43
	S 25	14.26	126.80	< 0.30	5.62	475.45	2.06	1.97	< 0.50	185.57
	S 26	16.36	146.40	< 0.30	6.84	260.44	18.66	3.65	< 0.50	439.11
6/27/85	S 27	8.58	47.12	< 0.30	5.58	187.14	97.52	1.12	< 0.50	266.18
	S 28	15.12	27.44	< 0.30	7.56	192.36	89.55	2.22	< 0.50	525.06
	S 29	19.95	26.06	< 0.30	7.19	303.43	33.96	1.51	< 0.50	186.03
	S 30	8.48	9.05	< 0.30	8.89	217.71	14.62	< 0.10	< 0.50	194.29
	S 31	6.89	< 5.00	< 0.30	4.24	43.10	7.91	2.30	< 0.50	83.31
	S 32	9.09	22.78	< 0.30	4.21	251.87	53.10	< 0.10	< 0.50	332.08
	S 33	9.51	102.92	< 0.30	5.27	403.48	13.50	1.41	< 0.50	447.27
	S 34	14.62	92.69	< 0.30	5.57	306.18	23.91	0.35	< 0.50	189.73
	S 35	13.17	92.75	< 0.30	44.61	327.62	22.78	0.36	< 0.50	331.36
	S 36	10.87	131.23	< 0.30	33.83	326.49	41.61	0.47	< 0.50	145.91
	S 37	12.34	60.44	< 0.30	5.32	742.23	92.23	1.73	< 0.50	227.37
	S 38	12.92	105.03	< 0.30	6.82	771.59	75.13	0.59	< 0.50	346.15
	S 39	10.63	181.64	< 0.30	41.71	768.16	34.22	1.78	< 0.50	381.77

< = Less than

call box 1021 □ 75 urban avenue, westbury, n.y. 11590 □ (516) 334/7770. (718) 297/1449



RESULTS - Cont'd.

Results in PPM

<u>Sample Identification</u>	<u>Soils</u>	<u>Arsenic</u>	<u>Barium</u>	<u>Cadmium</u>	<u>Chromium</u>	<u>Lead</u>	<u>Mercury</u>	<u>Selenium</u>	<u>Silver</u>	<u>Zinc</u>
6/27/85	S 40	10.93	81.88	< 0.30	20.36	230.72	12.34	2.17	< 0.50	168.61
	S 41	10.10	188.35	< 0.30	10.57	667.68	29.45	0.78	< 0.50	370.63
	S 42	12.18	99.43	< 0.30	7.77	661.49	37.84	1.88	< 0.50	264.42
	S 43	10.96	102.32	< 0.30	6.47	494.48	13.89	1.64	< 0.50	250.22
	S 44	17.00	139.13	< 0.30	6.41	441.17	59.74	0.47	< 0.50	377.32
	S 45	15.29	219.52	< 0.30	13.11	1353.10	22.51	1.72	< 0.50	598.85
	S 45 Dup.	10.75	217.10	< 0.30	12.62	1354.20	30.80	1.96	< 0.50	549.53
6/26/85	R Rose	0.003	< 0.05	< 0.003	< 0.010	0.176	0.092	0.002	< 0.006	0.546
	RSE-1	0.003	< 0.05	< 0.003	< 0.010	0.156	0.038	< 0.001	< 0.006	0.955
	RSE-1 Dup.	0.007	< 0.05	< 0.003	< 0.010	0.166	0.047	< 0.001	< 0.006	0.952

Quality Control % Spiked Recovery

101	102	101	92	-	100	-	106
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< = Less than

EXPLANATION

Lab. No. 85 - 10519 (I)

Page 3

R Rose is RR01

RSE-1 is RR02



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

Lab No 85-10519(J)

P. O. NO.: Pending

REPORT OF ANALYSIS

- FOR -

SIVE, PAGET & RIESEL  
425 PARK AVENUE  
NEW YORK, NEW YORK 10022

JULY 17, 1985



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

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Lab. No. 85-10519(J)

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Lab. No.: 85-10519(J)

## 1.0 References

- 1.1 Client purchase order number:
- 1.2 Lab. No. 85-10519(J)
- 1.3 Identification and listing of Hazardous Waste. Federal Register, Vol. 45 No. 98, May 19, 1980
- 1.4 Handbook for analytical Quality Control in Water-Wastewater Laboratories - EPA-600/4-79-019, March, 1979

## 2.0 Description of Tests

### 2.1 E P Toxicity: Ref. 1.3 para. 261.24

Identifies materials whose constituents may have a tendency to leach or migrate when disposed of improperly. The liquid phase of a sample is separated. The solid phase is extracted at pH 5 with aqueous acetic acid for 24 hours. The extract is combined with the liquid phase and analyzed.

## 3.0 Test Requirements

1. E P Toxicity - Table 1 Metals

## 4.0 Sample Identifications

### Soil Samples

BH 26- 0	3/ 2/85	BH 22 - 0	4/29/85
BH 26-13		BH 22 -13	
BH-16- 0		BH 12A-13	
BH 11- 0	3/29/85	BH 13 - 5	
BH 11-13		BH 18 - 5	
BH 23-13		BH 25 - 5	
BH 24-13		BH 26 - 5	



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Lab. No. 85-10519(J)

5.0 Sample Identification and Results5.1 Sample Marked BH 26-0

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/2/85

5.1.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	<	0.01
Barium	100.0		0.30
Cadmium	1.0		0.09
Chromium	5.0	<	0.01
Lead	5.0		0.32
Mercury	0.2		24.10
Selenium	1.0	<	0.01
Silver	5.0		0.10
Zinc	--		44.99

&lt; = Less than



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Lab No. 85-10519(J)

5.0 Sample Identification and Results5.2 Sample Marked BH 26-13

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/2/85

5.2.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.18
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	13.80
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	0.76

&lt; = Less than





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Lab. No. 85-10519(J)

5.0 Sample Identification and Results5.3 Sample Marked BH -16-0

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/2/85

5.3.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.21
Cadmium	1.0	0.04
Chromium	5.0	0.01
Lead	5.0	< 0.03
Mercury	0.2	0.26
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	3.16

&lt; = Less than



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Lab No. 85-10519(J)

5.0 Sample Identification and Results5.4 Sample Marked BH 11-0

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/29/85

5.4.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.24
Cadmium	1.0	0.05
Chromium	5.0	0.01
Lead	5.0	< 0.03
Mercury	0.2	0.02
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	122.10

&lt; = Less than



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Lab. No. 85-10519(J)

5.0 Sample Identification and Results5.5 Sample Marked BH 11-13

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/29/85

5.5.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.37
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	3.38

&lt; = Less than



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Lab No. 85-10519(J)

5.0 Sample Identification and Results

5.6 Sample Marked BH 23-13

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

Date Received by Nytest Environmental Inc.: 3/29/85

5.6.1 Results Max. Allowable Levels Found

E P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.29
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	6.85

< = Less than



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Lab. No 85-10519(J)

5.0 Sample Identification and Results5.7 Sample Marked BH 24-13

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/29/85

5.7.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.27
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	1.42

&lt; = Less than



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Lab. No. 85-10519(J)

5.0 Sample Identification and Results5.8 Sample Marked BH -22-0

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/29/85

5.8.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.46
Cadmium	1.0	0.13
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	0.03
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	10.37

&lt; = Less than



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Lab No 85-10519(J)

5.0 Sample Identification and Results5.9 Sample Marked BH -22-13

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/29/85

5.9.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.23
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	0.42

&lt; = Less than



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Lab No 85-10519(J)

5.0 Sample Identification and Results5.10 Sample Marked BH 12A-13

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 3/29/85

5.10.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.20
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	0.05
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	0.19

&lt; = Less than





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Lab. No. 85-10519(J)

5.0 Sample Identification and Results5.11 Sample Marked BH 13-5

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 4/29/85

5.11.1 ResultsMax. Allowable LevelsFoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.28
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	6.87

&lt; = Less than



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Lab No 85-10519(J)

5.0 Sample Identification and Results5.12 Sample Marked BH 18-15

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 4/29/85

5.12.1 ResultsMax. Allowable LevelsFoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.19
Cadmium	1.0	0.02
Chromium	5.0	< 0.01
Lead	5.0	< 0.01
Mercury	0.2	0.18
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	11.54

&lt; = Less than

EXPLANATION

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BH 18-15 should be BH18-5



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5.0 Sample Identification and Results5.13 Sample Marked BH 25-5

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: 4/29/85

5.13.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	-	0.25

&lt; = Less than



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Lab No 85-10519(J)

## 5.0 Sample Identification and Results

5.14 Sample Marked BH 26-5

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

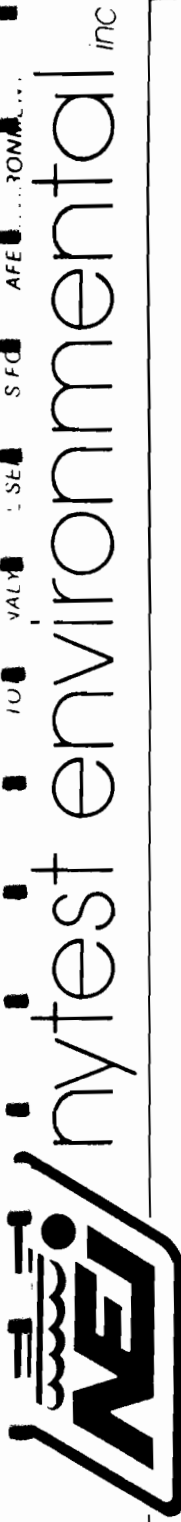
Date Received by Nytest Environmental Inc.:

5.14.1 <u>Results</u>	<u>Max. Allowable Levels</u>	<u>Found</u>
-----------------------	------------------------------	--------------

### E P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.11
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	0.06
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	0.68

< = Less than



Lab. No.: 85-10519(J)

nytest environmental inc

RESULTS

Quality Control Data % Spiked Recovery

<u>Sample Identification</u>	<u>Arsenic</u>	<u>Beryllium</u>	<u>Cadmium</u>	<u>Chromium</u>	<u>Lead</u>	<u>Mercury</u>	<u>Selenium</u>	<u>Silver</u>	<u>Zinc</u>
BH 26 - 0	100	97	98	89	98	-	100	99	84
BH 11 -13	-	78	98	93	98	-	-	130	-
BH 22 -13	-	82	91	91	102	100	-	98	-
BH 12A-13	104	-	-	-	-	-	96	-	-



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Lab. No 85-10519(J)

6.0 CONCLUSION

Samples BH 26-0, BH 26-13, BH 16-0 are considered toxic (Mercury is too high). The balance of samples are not toxic.

7.0 CERTIFICATION AND SIGNATURES

Report prepared by:

Remo Gigante  
Laboratory Director

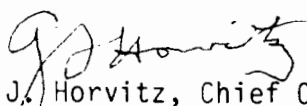
We certify that this report is a true report of results obtained from our tests of this material.

Respectfully submitted,

Nyttest Environmental Inc.

To:

Eder Associates Consulting  
Engineers, P.C.  
85 Forest Avenue  
Locust Valley, New York 11560

  
G. J. Horvitz, Chief Officer

Att: Mr. Joseph B. Hellmann, P.E.

bm

Report on samples furnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

Lab. No.: 85-10519(K)

P. O. NO.: Pending

REPORT OF ANALYSIS

- FOR -

SIVE, PAGET & RISEL  
425 PARK AVENUE  
NEW YORK, NEW YORK 10022

JULY 17, 1985





TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

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Lab No 85-10519(K)

## 1.0 References

- 1.1 Client purchase order number: Pending
- 1.2 Lab. No. 85-10519(K)
- 1.3 Identification and listing of Hazardous Waste. Federal Register, Vol. 45 No. 98, May 19, 1980
- 1.4 Handbook for analytical Quality Control in Water-Wastewater Laboratories - EPA-600/4-79-019, March, 1979

## 2.0 Description of Tests

- 2.1 E P Toxicity: Ref. 1.3 para. 261.24

Identifies materials whose constituents may have a tendency to leach or migrate when disposed of improperly. The liquid phase of a sample is separated. The solid phase is extracted at pH 5 with aqueous acetic acid for 24 hours. The extract is combined with the liquid phase and analyzed.

## 3.0 Test Requirements

1. E P Toxicity - Table 1 - Metals

## 4.0 Sample Identification

### 4.1 Soil Samples

BH 11-15 - 6/25/85  
BH 16-5 - 6/25/85  
BH 22-5 - 6/25/85



Page 2

Lab No 85-10519(K)

5.0 Sample Identification and Results

5.1 Sample Marked BH 11-5

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

Date Received by Nytest Environmental Inc.: June 25, 1985

5.1.1 Results                      Max. Allowable Levels      Found

E P Toxicity (PPM)

Arsenic	5.0	<	0.01
Barium	100.0	<	0.05
Cadmium	1.0	<	0.01
Chromium	5.0	<	0.01
Lead	5.0	<	0.03
Mercury	0.2	<	0.01
Selenium	1.0	<	0.01
Silver	5.0	<	0.01
Zinc	--		0.05

< = Less than





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Lab No 85-10519(K)

5.0 Sample Identification and Results5.1 Sample Marked BH 22-5

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: June 25, 1985

5.1.3 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	< 0.05
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	0.20

&lt; = Less than



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Lab No 85-10519(K)

## 6.0 CONCLUSION

Samples are not considered toxic.

## 7.0 CERTIFICATION AND SIGNATURES

Report prepared by:

Remo Gigante  
Laboratory Director

To:

Eder Associated Consulting  
Engineers, P.C.  
85 Forest Avenue  
Locust Valley, NY 11560

Attn: Mr. Joseph B. Hellmann, P.E.

We certify that this report is a true  
report of results obtained from our  
tests of this material.

Respectfully submitted,

Nyttest Environmental Inc.

G. J. Horvitz, Chief Officer

mpy

Report on samples furnished by client applies to samples. Report on samples obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Samples will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

Lab. No. 85-10519(L)

P. O. NO.: Pending

REPORT OF ANALYSIS

- FOR -

SIVE, PAGET & RISEL  
425 PARK AVENUE  
NEW YORK, NEW YORK 10022

JULY 17, 1985



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

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Lab. No. 85-10519(L)

1.0 References

- 1.1 Client purchase order number: Pending
- 1.2 Lab. No. 85-10519(L)
- 1.3 Identification and listing of Hazardous Waste. Federal Register, Vol. 45 No. 98, May 19, 1980
- 1.4 Handbook for analytical Quality Control in Water-Wastewater Laboratories - EPA-600/4-79-019, March, 1979

2.0 Description of Tests

- 2.1 E P Toxicity: Ref. 1.3 para. 261.24

Identifies materials whose constituents may have a tendency to leach or migrate when disposed of improperly. The liquid phase of a sample is separated. The solid phase is extracted at pH 5 with aqueous acetic acid for 24 hours. The extract is combined with the liquid phase and analyzed.

3.0 Test Requirements

- 1. E P Toxicity - Table 1 - Metals

4.0 Sample Identificaiton

Area 3 Sheet Rock



Page 2

Lab No 85-10519(L)

5.0 Sample Identification and Results5.1 Sample Marked Area 3 Sheet Rock

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: June 14, 1985

5.2.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	< 0.05
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	0.11

&lt; = Less than



Page 3

Lab. No 85-10519(L)

6.0 CONCLUSION

Sample is not considered toxic.

7.0 CERTIFICATION AND SIGNATURES

Report prepared by:

Remo Gigante  
Laboratory Director

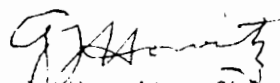
We certify that this report is a true  
report of results obtained from our  
tests of this material.

Respectfully submitted,

Nyttest Environmental Inc.

To:

Eder Associated Consulting  
Engineers, P.C.  
85 Forest Avenue  
Locust Valley, N. Y. 11560

  
G. J. Horvitz, Chief Officer

Attn: Mr. Joseph B. Hellmann, P.E.

mpy

Report on sample(s) furnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

Lab. No. 85-10519(M)

P. O. NO.: Pending

REPORT OF ANALYSIS

- FOR -

SIVE, PAGET & RISEL  
425 PARK AVENUE  
NEW YORK, NEW YORK 10022

JULY 17, 1985



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

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Page 1.

Lab. No. 85-10519(M)

## 1.0 References

- 1.1 Client purchase order number:
- 1.2 Lab. No. 85-10519(M)
- 1.3 Identification and listing of Hazardous Waste. Federal Register, Vol. 45 No. 98, May 19, 1980
- 1.4 Handbook for analytical Quality Control in Water-Wastewater Laboratories - EPA-600/4-79-019, March, 1979

## 2.0 Description of Tests

- 2.1 E P Toxicity: Ref. 1.3 para. 261.24

Identifies materials whose constituents may have a tendency to leach or migrate when disposed of improperly. The liquid phase of a sample is separated. The solid phase is extracted at pH 5 with aqueous acetic acid for 24 hours. The extract is combined with the liquid phase and analyzed.

## 3.0 Test Requirements

1. E P Toxicity - Table 1 - metals

## 4.0 Sample Identification

BH 12A-0	3/29/85
BH 23-0	3/29/85
BH 20-0	3/29/85
BH 28-5	3/29/85
BH 12A-5	5/30/85
BH 23-5	5/30/85
BH 29-5	5/30/85



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Lab No. 85-10519(M)

5.0 Sample Identification and Results5.1 Sample Marked BH 12A-0

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: March 29, 1985

5.1.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	< 0.05
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	0.03
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	1.13

&lt; = Less than



Page 3

Lab. No. 85-10519(M)

5.0 Sample Identification and Results5.2 Sample Marked BH 23-0

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: March 29, 1985

5.2.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	< 0.05
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	0.06
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	0.47

&lt; = Less than





Page 4

Lab. No. 85-10519(M)

5.0 Sample Identification and Results5.3 Sample Marked BH 24-0

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: March 29, 1985

5.3.1 Results                      Max. Allowable Levels      FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	< 0.05
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	0.37

&lt; = Less than



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Lab. No. 85-10519(M)

5.0 Sample Identification and Results5.4 Sample Marked BH 28-5

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: March 29, 1985

5.4.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	< 0.05
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	0.02

&lt; = Less than



Page 6

Lab. No. 85-10519(M)

5.0 Sample Identification and Results5.5 Sample Marked BH 12A-5

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: May 30, 1985

5.5.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.11
Cadmium	1.0	< 0.01
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	0.12

&lt; = Less than



Page 7

Lab. No. 85-10519(M)

5.0 Sample Identification and Results5.6 Sample Marked BH 23-5

Date sampled: Not Available

Collected by: Sive, Paget &amp; Riesel

Date Received by Nytest Environmental Inc.: May 30, 1985

5.6.1 Results Max. Allowable Levels FoundE P Toxicity (PPM)

Arsenic	5.0	< 0.01
Barium	100.0	0.16
Cadmium	1.0	0.02
Chromium	5.0	< 0.01
Lead	5.0	< 0.03
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	1.00

&lt; = Less than



Page 8

Lab No. 85-10519(M)

## 5.0 Sample Identification and Results

5.7 Sample Marked BH 24-5

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

Date Received by Nytest Environmental Inc.: May 30, 1985

5.7.1	<u>Results</u>	<u>Max. Allowable Levels</u>	<u>Found</u>
-------	----------------	------------------------------	--------------

### E P Toxicity (PPM)

Arsenic	5.0	<	0.05
Barium	100.0		0.18
Cadmium	1.0		0.03
Chromium	5.0	<	0.01
Lead	5.0	<	0.03
Mercury	0.2	<	0.01
Selenium	1.0	<	0.01
Silver	5.0	<	0.01
Zinc	--		8.44

< = Less than



Page 9

Lot No 85-10519(M)

Sample IdentificationQuality Control Data  
% Recovery

	<u>BH 12A-0</u>	<u>BH 230</u>	<u>BH24-5</u>
Arsenic	116	-	110
Barium	96	95	99
Cadmium	100	98	103
Chromium	99	116	106
Lead	88	96	98
Mercury	-	66	99
Selenium	94	92	104
Zinc	100	100	-
Silver	104	109	102

Report on sample(s) furnished by client applies to sample(s) Report on sample(s) obtained by us applies only to lot sampled Information contained herein is not to be used for reproduction except by special permission Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense



Page 10

Lab No 85-10519(M)

6.0 CONCLUSION

Samples are not considered toxic.

7.0 CERTIFICATION AND SIGNATURES

Report prepared by:

Remo Gigante  
Laboratory Director

To:

Eder Associated Consulting  
Engineers, P.C.  
85 Forest Avenue  
Locust Valley, NY 11560

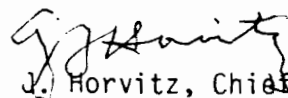
Att: Mr. Joseph B. Hellman, P.E.

mpy

We certify that this report is a true  
report of results obtained from our  
tests of this material.

Respectfully submitted,

Nyttest Environmental Inc.

  
G. J. Horvitz, Chief Officer

Report on samples furnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.



# nytest environmental inc

## REPORT OF TESTS

Date: July 17, 1985

Lab. No.: 85-10519 N

Client Sieve, Paget & Riesel  
 Material Two (2) Water Samples  
 Identification As below (Samples received 5/31/85)  
 Client's Order No. Pending  
 Submitted for Chemical Analysis

We find as follows:

### RESULTS IN PPM:

### Sample Identification

	Tap Water	DI Water
Arsenic .....	< 0.001	0.003
Barium .....	< 0.05	< 0.05
Cadmium .....	< 0.003	< 0.003
Chromium .....	< 0.010	< 0.010
Lead .....	< 0.025	< 0.025
Mercury .....	0.0027	0.0030
Selenium .....	< 0.001	< 0.001
Silver .....	< 0.006	< 0.006
Zinc .....	0.079	< 0.003

< = less than

Report prepared by:  
 Remo Gigante, Laboratory  
 Director

We certify that this report is a true  
 report of results obtained from our tests  
 of this material.

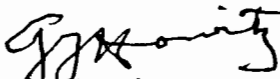
To:

Respectfully submitted,

Eder Associated, Cons. Eng. PC  
 85 Forest Avenue  
 Locust Valley, N.Y. 11560

Nyttest Environmental Inc.

Att: Mr. Joseph B. Hellmann, PE

  
 G. J. Horvitz  
 Chief Officer

gd

Report on sample(s) furnished by client applies to sample(s) Report on sample(s) obtained by us applies only to lot sampled Information contained herein is not to be used for reproduction except by special permission Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense





## REPORT OF TESTS

Date: July 17, 1985

Lab. No.: 85-10519 (0)

Client Sieve, Paget & Riesel  
Material Seven (7) Wastewater Samples  
Identification See P. 2 (samples received 6/28/85)  
Client's Order No. Pending  
Submitted for Chemical Analysis

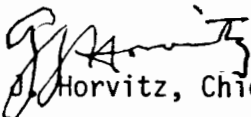
(Results, see Page 2.)

Report prepared by:  
Remo Gigante, Laboratory  
Director

We certify that this report is a true report  
of results obtained from our tests of this  
material.

Respectfully submitted,

Nyttest Environmental Inc.

  
G. J. Horvitz, Chief Officer

To:  
Eder Associated Cons.  
Eng. PC  
85 Forest Avenue  
Locust Valley, N.Y. 11560

Att: Mr. Joseph B. Hellmann, PE  
gd

Report on sample(s) furnished by client applies to sample(s) Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.



We find as follows:

RESULTS IN PPM:

Sample Identification	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Zinc
RR0: 3	< 0.001	< 0.05	< 0.003	< 0.010	< 0.025	0.0017	< 0.002	< 0.006	0.718
4	0.001	< 0.05	< 0.003	< 0.010	0.060	0.0123	< 0.002	< 0.006	0.758
5	0.011	0.32	< 0.003	< 0.010	0.893	0.1880	< 0.002	< 0.006	1.078
6	0.002	< 0.05	< 0.003	< 0.010	0.167	0.0080	< 0.002	< 0.006	0.481
7	0.007	< 0.05	< 0.003	< 0.010	0.283	0.0080	< 0.002	< 0.006	0.545
8	0.136	4.33	0.054	0.383	19.280	11.20	0.050	0.488	10.97
9	0.019	0.44	< 0.003	< 0.010	1.482	0.1780	< 0.002	< 0.006	1.061

< = less than



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

REPORT OF TESTS

Date July 17, 1985

Lab. No. 85-10519 (P)

Client Sieve, Paget & Riesel  
Material Soil Samples  
Identification See Page 2. (Samples received 6/5/85)  
Client's Order No. Pending  
Submitted for Chemical Analysis

(Results, see Page 2.)

Report prepared by:  
Remo Gigante, Laboratory  
Director

We certify that this report is a true report  
of results obtained from our tests of this  
material.

To:  
Eder Assoc. Cons. Eng. PC  
85 Forest Avenue  
Locust Valley, N.Y. 11560  
Att: Mr. J.B. Hellmann, PE  
gd

Respectfully submitted,  
Nytest Environmental Inc.

  
G.J. Horvitz  
Chief Officer

Report on sample(s) furnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.

Lab No. 85-10519 P

Sample Id	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Zinc
S-1	14.103	131.73	4.359	72.147	1350.32	158.64	1.058	100.06	687.50
S-3	14.187	79.51	6.038	32.69	299.18	135.70	1.154	2.738	1590.50
S-5	11.517	136.89	10.892	35.44	762.09	988.90	1.020	1.836	1502.47
S-7	10.483	78.54	4.958	19.035	609.98	152.05	0.466	3.295	961.40
S-9	6.252	73.71	2.632	11.912	390.59	117.70	5.166	1.777	311.29
S-11	12.544	105.43	4.890	26.167	633.53	115.88	0.603	3.715	655.13
S-13	12.430	78.18	3.631	15.047	378.14	79.72	0.458	2.388	759.24
S-15	15.492	151.01	6.197	173.19	1375.41	172.10	0.978	7.209	845.73
S-17	13.470	53.56	3.916	10.423	237.33	112.85	1.187	1.988	276.14
32-18	4.399	34.73	16.295	4.168	1.158	0.2364	0.260	< 0.174	5.210
32-26	5.572	125.12	< 0.098	6.452	1.303	< 0.0047	0.457	< 0.196	4.888
32-34	6.001	38.16	< 0.098	5.512	3.588	0.0146	0.522	< 0.196	4.566
33-18	3.989	26.696	< 0.094	4.366	2.513	0.0096	0.439	< 0.188	3.769
33-28	3.805	21.270	< 0.089	5.722	2.696	0.0048	< 0.059	< 0.180	3.896
33-38	5.892	24.130	< 0.094	5.610	1.567	0.0541	0.251	< 0.188	4.387
34-18	15.491	57.35	< 0.099	9.954	4.944	0.0049	1.252	< 0.198	9.558
34-24	5.695	38.05	0.228	4.715	3.577	6.276	0.911	0.358	11.057
35-18	4.322	27.300	< 0.097	5.525	2.275	0.0096	0.357	< 0.195	4.225
35-28	3.977	20.882	< 0.099	4.276	2.320	4.691	0.265	< 0.199	3.646
35-38	3.732	18.985	< 0.098	180.001	1.964	0.5726	0.163	< 0.196	4.583
5-15 Dup.	-	72.57	5.99	--	599.74	170.08	--	7.354	818.74

< = less than

EXPLANATION

Lab. No. 85 - 10519 (P)

Page 2

33-38 should be 33-33

5-15 Dup. should be S-15 Dup.



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

REPORT OF TESTS

Date: August 26, 1985

Lab. No.: 85-10519(Q)

Client Sive, Paget & Riesel  
Material Four (4) Soil Samples  
Identification See The Following Page  
Client's Order No. Pending  
Submitted for Thirteen (13) Priority Pollutants

(For Results see the following page)

Report prepared by:

Remo Gigante  
Laboratory Director

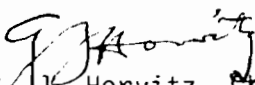
We certify that this report is a true report of results obtained from our tests of this material.

Respectfully submitted,

To:

Eder Associates Consulting Engineers, P.C.  
85 Forest Avenue  
Locust Valley, N.Y. 11560

Nyttest Environmental Inc.

  
G. J. Horvitz, Chief Officer

Att: Joseph B. Hellmann, P.E.

jw

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RESULTS

Sample Identification

Results in mg/kg	BH 12A-5	BH 23-5	BH 24-5	BH 28-13
Antimony	< 4.49	< 5.04	< 4.43	< 4.89
Arsenic	7.43	9.67	11.33	8.51
Beryllium	< 0.14	< 0.15	< 0.13	< 0.15
Cadmium	< 0.14	1.00	0.89	< 0.15
Copper	15.47	17.07	21.78	15.75
Lead	17.85	23.56	49.71	21.12
Mercury	9.13	13.59	128.40	0.440
Selenium	3.55	3.53	2.17	1.71
Silver	0.27	1.56	8.54	< 0.29
Thallium	2.25	< 2.52	2.21	2.44
Zinc	20.23	102.47	1146.5	27.38
Nickel	8.68	6.89	35.05	3.33
Chromium	4.09	2.67	4.25	3.87

< = Less than



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

LAB. NO.: 85-10519(R)

P.O. NO.: Pending

REPORT OF ANALYSIS

- FOR -

SIVE, PAGET & RIESEL  
425 PARK AVENUE  
NEW YORK, NEW YORK 10022

AUGUST 26, 1985





TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

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Lab. No.: 85-10519(R)

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3.0 TEST REQUIREMENTS	1
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6.0 CONCLUSION	5
7.0 CERTIFICATION AND SIGNATURES	5



Page 1.

Lab. No 85-10519(R)

1.0 References

- 1.1 Client purchase order number: Pending
- 1.2 Lab. No. 85-10519(R)
- 1.3 Identification and listing of Hazardous Waste. Federal Register, Vol. 45 No. 98, May 19, 1980
- 1.4 Handbook for analytical Quality Control in Water-Wastewater Laboratories - EPA-600/4-79-019, March, 1979

2.0 Description of Tests

2.1 E P Toxicity: Ref. 1.3 para. 261.24

Identifies materials whose constituents may have a tendency to leach or migrate when disposed of improperly. The liquid phase of a sample is separated. The solid phase is extracted at pH 5 with aqueous acetic acid for 24 hours. The extract is combined with the liquid phase and analyzed.

3.0 Test Requirements

- 1. E P Toxicity - Table 1

4.0 Sample Identification

BH 25-1  
BH 25-9  
BH28-13



Page: 2

Lab. No. 85-10519(R)

5.0 Sample Identification and Results5.1 Sample Marked BH 25-1

Date sampled: Not Available

Collected by: Not Available

Date Received by Nytest Environmental Inc.: Not Available

5.1.1 ResultsFound

<u>E P Toxicity (PPM)</u>	<u>Max. Allowable Levels</u>	
Arsenic	5.0	0.006
Barium	100.0	< 0.05
Cadmium	1.0	< 0.003
Chromium	5.0	< 0.010
Lead	5.0	< 0.025
Mercury	0.2	1.0500
Selenium	1.0	< 0.001
Silver	5.0	< 0.006

&lt; = Less than



Page 3

Lab. No.: 85-10519(R)

5.0 Sample Identification and Results

5.2 Sample Marked BH 25-9

Date sampled: Not Available

Collected by: Not Available

Date Received by Nytest Environmental Inc.: Not Available

5.2.1 Results

Found

<u>E P Toxicity (PPM)</u>	<u>Max. Allowable Levels</u>	
Arsenic	5.0	0.020
Barium	100.0	< 0.05
Cadmium	1.0	< 0.003
Chromium	5.0	< 0.010
Lead	5.0	< 0.025
Mercury	0.2	0.0035
Selenium	1.0	0.004
Silver	5.0	< 0.006

< = Less than



Page 4

Lab. No. 85-10519(R)

5.0 Sample Identification and Results5.3 Sample Marked BH 28-13

Date sampled: Not Available

Collected by: Not Available

Date Received by Nytest Environmental Inc.: Not Available

5.3.1 ResultsFound

<u>E P Toxicity (PPM)</u>	<u>Max. Allowable Levels</u>	
Arsenic	5.0	0.021
Barium	100.0	< 0.05
Cadmium	1.0	< 0.003
Chromium	5.0	< 0.010
Lead	5.0	< 0.025
Mercury	0.2	0.0002
Selenium	1.0	< 0.001
Silver	5.0	< 0.006

&lt; = Less than



Page 5

Lab. No 85-10519(R)

6.0 CONCLUSION

Mercury on sample BH 25-1 is above the limit.

7.0 CERTIFICATION AND SIGNATURES

Report prepared by:

Remo Gigante  
Laboratory Director

Eder Associates Consulting  
Engineers, P.C.  
85 Forest Avenue  
Locust Valley, N.Y. 11560

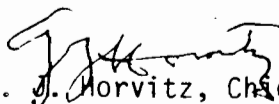
Att: Mr. Joseph B. Hellmann, P.E.

jw

We certify that this report is a true  
report of results obtained from our  
tests of this material.

Respectfully submitted,

Nyttest Environmental Inc.

  
G. J. Horvitz, Chief Officer

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SAMPLE WEIGHTS  
AREA WIPE SAMPLES

<u>Area</u>	<u>Weight</u> <u>(gms)</u>
A-1-F	52.258
A-1-C	20.497
A-2-F	48.486
A-2-C	20.030
A-3-F	80.195
A-3-C	72.594
A-4-F	37.624
A-4-C	32.65
A-5-F	37.624
A-5-C	14.758
A-6-F	36.779
A-6-C	22.041
A-7-F	72.881
A-7-C	29.856
A-8	40.22
A-9	79.073
A-10	71.653
A-10-a-1	--
A-10-a-2	7.973
A-11	15.688
A-11a	13.6321
A-11b	16.609
A-11c	31.477
A-12-F	66.445
A-12-C	50.586
A-13	41.178
A-14	57.836
A-15	66.020

SAMPLE WEIGHTS  
DUCT WIPE SAMPLES

<u>Duct Work System</u>	<u>Sample Weight (gms)</u>
ED-1	118.474
ED-2	58.848
ED-3	9.872
ED-4	6.409
ED-5	19.71
ED-6	11.922
ED-7	11.791
ED-8	11.482
SAD-1	11.92
RAD-2	10.617



REFERENCES

1. "Soils - Heavy Metal Concentrations in Soils of Five United States Cities, 1972 Urban Soils Monitoring Program" by Ann F. Carey, et al. Pesticides Monitoring Journal, V13 N4, March 1980, p. 150