DURACELL, INC.

NORTH TARRYTOWN, NEW YORK

APPENDIX TO ENGINEERING REPORT EVALUATING ON-SITE RESIDUES

~~CONFIDENTIAL~~

REPORT 5 OF 6

PROJECT #425-1

OCTOBER 1985

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:

Table	Sample Type	Analysis
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

	Area	Sample Designation	Report	Page
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

	Duct System	Sample Designation	Report	Page
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

	Air Handling Unit	Sample Designation	Report	Page
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

	Sample	Sample Designation	Report	Page
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 Cyanides - A	15 16

TABLE A-5

MISCELLANEOUS SAMPLES
HAZARDOUS WASTE CHARACTERISTICS

	Sample	Sample Designation	Report	Page
1.	KOH Tanks	ROH Tanks	A	16
2.	Scrubber Tank	Scrubber	A	16

TABLE A-6

MISCELLANEOUS SAMPLES
EP TOXICITY ANALYSIS

	Sample	Sample Designation	Report	Page
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

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

TABLE A-8

ON-SITE SOIL SAMPLES

METAL ANALYSIS

	Sample Designation	Depth	Report	Page
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 . . .

Sample Designation	Depth	Report	Page
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 . . .

Sample Designation	Depth	Report	Page
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 . . .

Sample Designation	Depth	Report	Page
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

	Sample Designation	Depth	Report	Page
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 . . .

Sample Designation	Depth	Report	Page
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

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

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

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.

Respectfully submitted,

Nytest Environmental Inc.

G. J. Horvitz, Chief Officer

To:

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

mg

Lab No. 85-10519 (A)

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

RESULTS:

Samples Received 3/18/85

Results in - (mg/kg)	Sample Identification A-10-A-2 2½ SF	A-10 10 SF	A-8 9½ SF	A-9 10 SF	A-11 5 SF
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

Lab No 85-10519 (A)

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

RESULTS:

Samples Received 3/18/85

Results in - (mg/kg)	Sample Identification A-11A 5 SF	A-11B 6 SF	A-11C 65 F	A-10A Bottle
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

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

EXPLANATION

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

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

Lab No. 85-10519 (A)

nytest environmental inc.

RESULTS:

Samples Received 3/19/85

Results in - (mg/kg)	Sample Identification 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 2½ 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

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

EXPLANATION

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

RESULTS:

Samples Received 3/19/85

Results in - (mg/kg)	Sample Identification: 6 Wipes D-26 3 SF	Bag House	Hivac System	E-26	ROH Tanks
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 93.42	997.70	1931.05	18.06	0.01
Total Solids	435697	995117	995714	995749	-

< = Less than

EXPLANATION

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

Lab No 85-10519 (A)

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc

RESULTS:

Samples Received 3/20/85

	Sample Identification					
Results in - (mg/kg)	West Trench	Scrubber	D-31-33 18 sq.in.	D30/32 24 sq.in.	D-28 3 SF	D-26A R SF
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

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

Lab No 85-10519 (A)

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

RESULTS:

Samples Received 3/20/85

Results in - (mg/kg)	Sample Identification					
	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

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

EXPLANATION

A-39F is A-6-F

A-39C is A-6-C

Lab No 85-10519 (A)

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

RESULTS:

Samples Received 3/21/85

Results in - (mg/kg)	Sample Identification							
	A-38-F 5 SF	A-38-C 2½ SF	A-32-F 5 SF	A-37-C 2½ SF	A-7-F 10 SF	A-7-C 4½ SF	A-3-F 11½ SF	A-3-C 9½ 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

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

Lab No 85-10519 (A)

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc

RESULTS:

Samples Received 3/22/85

Results in - (mg/kg)	Sample Identification					
	A-1-F 8 SF	A-1-C 3 SF	A-12-F 10 SF	A-12-C 5½ 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

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

Results in - (mg/kg)	Sample Identification 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

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

Lab. No. 85-10519 (A)

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

RESULTS:

Samples Received 3/27/85

Results in - (mg/kg)	Sample Identification: 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

The fifth column of data should be BH 15 0

The sixth column is correctly designated

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc.

RESULTS:

Samples Received 3/27/85

Results in - (mg/kg)	Sample Identification: 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

Lab. No.. 85-10519 (A)

nytest environmental inc.

RESULTS:

Samples Received 3/27/85

Results in - (mg/kg)	Sample Identification					
	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

Lab. No. 85-10519 (A)

RESULTS:

Samples Received 3/27/85

Results in - (mg/kg)	Sample Identification					
	BH 2 0	BH 2 13	BH 3 0	BH 3 13	BH 4 0	BH 4 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

Lab No 85-10519 (A)

nytest environmental inc.

RESULTS:

Samples Received 3/27/85

Results in - (mg/kg)	Sample Identification: BH 5 0	BH 5 13	Wash Water	Pit 2	Dist. Water 2
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)

Pit 2 is concrete pit

- Analysis units should be mg/l

Wash water is rinse water

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc.

RESULTS:

	Sample Identification	
	ROH Tanks	Scrubber
pH at 20 deg. C.	13.80	9.89
Reactivity	None	None

	Sample Identification	
	Pit 2	Dist Water 2
Cyanide, (mg/kg)	< 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

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

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	Chemical Analysis

(For results, see the following pages.)

Report prepared by:

Remo Gigante
Laboratory Director

To:

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

Att: Joseph B. Hellmann, P.E.

ef

CERTIFICATION

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

Lab No 85-10519 (B)

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental

RESULTS:

Results in - (mg/kg):	Sample Identification					
	BH8-0	BH8-13	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

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc

RESULTS:

Results in - (mg/kg):	Sample Identification					
	BH23-0	BH23-13	BH24-0	BH24-13	BH28-0	BH28-13
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

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental

RESULTS:

Results in - (mg/kg):	Sample Identification					
	BH20-0	BH20-13	BH21-0	BH21-13	BH22-0	BH22-13
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

Lab No 85-10519 (B)

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental.

RESULTS:

Results in - (mg/kg):	Sample Identification					
	BH25-0	BH25-9	BH27-0	BH27-13	BH18-0	BH18-13
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

BH25-0 should be BH25-1

Lab No 85-10519 (B)

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

RESULTS:

Results in - (mg/kg):	Sample Identification				
	BH12-A0	BH12A-A13	BH13-0	BH13-13	A126-3-26
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

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

Page: CONTENTS

Lab. No.: 85-10519 (C)

TABLE OF CONTENTS

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

Page: 2

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results

5.1 Sample Marked BH 9 - 0

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.1.1 Results

	Max. Allowable Levels	Found
E 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

< = 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

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results

5.3 Sample Marked BH 13 - 0

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.3.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results

5.4 Sample Marked BH 13 - 13

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.4.1 Results

E P Toxicity (PPM)	Max. Allowable Levels	Found
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

< = Less than

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results

5.5 Sample Marked BH 18 - 0

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.5.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results

5.6 Sample Marked BH 18 - 13

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.6.1 Results

E P Toxicity (PPM)	Max. Allowable Levels	Found
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

< = Less than

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results

5.7 Sample Marked BH 25 - 1

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.7.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results

5.8 Sample Marked BH 25 - 9

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.8.1 Results

	Max. Allowable Levels	Found
E 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

< = Less than

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results

5.9 Sample Marked BH 26 - 0

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.9.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results

5.10 Sample Marked BH 26 - 13

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.10.1 Results

E P Toxicity (PPM)	Max. Allowable Levels	Found
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

< = Less than

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results

5.11 Sample Marked BH 28 - 0

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.11.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

Lab. No.: 85-10519 (C)

5.0 Sample Identification and Results

5.12 Sample Marked BH 28 - 13

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.12.1 Results	Max. Allowable Levels	Found
E P Toxicity (PPM)		
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

< = Less than

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.

G. J. Horvitz, Chief Officer

To:

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

Att: Joseph B. Hellmann, P.E.

bc

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

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	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 Ave.
Locust Valley, N.Y. 11560

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

jw

Lab. No.: 85-10519(D)

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

RESULTS:

Results in PPM	Sample Identification					
	BH-9-5	BH13-5	BH18-5	BH25-5	BH26-5	BH28-5
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

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

Page: CONTENTS

Lab. No. 85-10519(F)

TABLE OF CONTENTS

 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

Lab No 85-10519(F)

5.0 Sample Identification and Results

5.1 Sample Marked East Trench

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.1.1 Results

	Max. Allowable Levels	Found
E 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

< = Less than

Lab No 85-10519(F)

5.0 Sample Identification and Results

5.2 Sample Marked West Trench

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.2.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

5.0 Sample Identification and Results

5.3 Sample Marked M-28

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.3.1 Results

	Max. Allowable Levels	Found
E 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

< = Less than

EXPLANATION

M-28 is Manhole 7

Lab No 85-10519(F)

5.0 Sample Identification and Results

5.4 Sample Marked Bayhouse

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.4.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

EXPLANATION

Baghouse is Baghouse 1, 2 and 3

Lab No 85-10519(F)

5.0 Sample Identification and Results

5.5 Sample Marked E-26

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.5.1 Results

E P Toxicity (PPM)	Max. Allowable Levels	Found
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

< = Less than

EXPLANATION

Lab. No. 85 - 10519 (F)

E-26 is Baghouse 4

Lab No 85-10519(F)

5.0 Sample Identification and Results

5.6 Sample Marked High Vac

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.6.1 Results

	Max. Allowable Levels	Found
E 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

< = Less than

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,

Nytest Environmental Inc.

Remo Gigante

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 OF TESTS

Date July 16, 1985

Lab No.: 85-10519(G)

Client	Sive, Paget & Riesel
Material	Eight (8) Soil Samples
Identification	See The Following Page (Samples Received 5/30, 5/31/85)
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.

jw

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc

RESULTS

Sample Identification	Results in PPM								
	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Zinc
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

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

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,

Nytest Environmental Inc.

G. D. 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

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc

RESULTS

Sample Identification	Results in PPM									
	Arsenic		Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Zinc
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

< = Less than

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

REPORT OF TESTS

Date: July 17, 1985 Lab. No.: 85-10519(I)

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

Lab. No 85-10519(I)

RESULTS

Sample Identification	Soils	Results in PPM Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Zinc
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
6/27/85	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
	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

Lab. No.: 85-10519(I)

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

RESULTS - Cont'd.

Sample Identification	Soils	Results in PPM Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Zinc
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

< = Less than

EXPLANATION

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

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

Page CONTENTS Lab. No. 85-10519(J)

TABLE OF CONTENTS

 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	

Lab. No. 85-10519(J)

5.0 Sample Identification and Results

5.1 Sample Marked BH 26-0

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.1.1 Results

E P Toxicity (PPM)	Max. Allowable Levels	Found
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

< = Less than

Lab No. 85-10519(J)

5.0 Sample Identification and Results

5.2 Sample Marked BH 26-13

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.2.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

 Lab No. 85-10519(J)

5.0 Sample Identification and Results

5.3 Sample Marked BH -16-0

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.3.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

Lab No. 85-10519(J)

5.0 Sample Identification and Results

5.4 Sample Marked BH 11-0

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.4.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

Page 6

Lab. No. 85-10519(J)

5.0 Sample Identification and Results

5.5 Sample Marked BH 11-13

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.5.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

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

 Lab. No 85-10519(J)

5.0 Sample Identification and Results

5.7 Sample Marked BH 24-13

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.7.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

Lab No. 85-10519(J)

5.0 Sample Identification and Results

5.8 Sample Marked BH -22-0

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.8.1 Results

	Max. Allowable Levels	Found
E 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

< = Less than

 Lab No 85-10519(J)

5.0 Sample Identification and Results

5.9 Sample Marked BH -22-13

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.9.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

 Lab No 85-10519(J)

5.0 Sample Identification and Results

5.10 Sample Marked BH 12A-13

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.10.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

 Lab. No. 85-10519(J)

5.0 Sample Identification and Results

5.11 Sample Marked BH 13-5

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.11.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

Page 13 Lab No 85-10519(J)

5.0 Sample Identification and Results

5.12 Sample Marked BH 18-15

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.12.1 Results

	Max. Allowable Levels	Found
E 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

< = Less than

EXPLANATION

Lab. No. 85 - 10519 (J)
Page 13

BH 18-15 should be BH18-5

 Lab No 85-10519(J)

5.0 Sample Identification and Results

5.13 Sample Marked BH 25-5

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.13.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

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 Results	Max. Allowable Levels	Found
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

nytest environmental inc

RESULTS

Sample Identification	Quality Control Data % Spiked Recovery								
	Arsenic	Beryllium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Zinc
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	-	-

Page 17 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,

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.

bm

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

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

Page contents

Lab. No. 85-10519(K)

TABLE OF CONTENTS

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

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

 Lab. No. 85-10519(K)

5.0 Sample Identification and Results

5.1 Sample Marked B4 16-5

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.1.2 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	< 0.05
Mercury	0.2	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	0.10

< = Less than

Lab No 85-10519(K)

5.0 Sample Identification and Results

5.1 Sample Marked BH 22-5

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.1.3 Results

E P Toxicity (PPM)	Max. Allowable Levels	Found
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

< = Less than

nytest environmental inc.

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

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

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

mpy

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

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

Page CONTENTS Lab No. 85-10519(L)

TABLE OF CONTENTS

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

Lab No 85-10519(L)

5.0 Sample Identification and Results

5.1 Sample Marked Area 3 Sheet Rock

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.2.1 Results

E P Toxicity (PPM)	Max. Allowable Levels	Found
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

< = Less than

nytest environmental

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,

Nytest Environmental Inc.

G. J. Horvitz, Chief Officer

To:

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

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

mpy

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

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

Page CONTENTS Lab. No.: 85-10519(M)

TABLE OF CONTENTS

 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

 Lab No. 85-10519(M)

5.0 Sample Identification and Results

5.1 Sample Marked BH 12A-0

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.1.1 Results

E P Toxicity (PPM)	Max. Allowable Levels	Found
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

< = Less than

 Lab. No. 85-10519(M)

5.0 Sample Identification and Results

5.2 Sample Marked BH 23-0

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.2.1 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	0.06
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	0.47

< = Less than

 Lab. No. 85-10519(M)

5.0 Sample Identification and Results

5.3 Sample Marked BH 24-0

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.3.1 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	--	0.37

< = Less than

Lab. No.. 85-10519(M)

5.0 Sample Identification and Results

5.4 Sample Marked BH 28-5

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.41 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	--	0.02

< = Less than

Lab. No. 85-10519(M)

5.0 Sample Identification and Results

5.5 Sample Marked BH 12A-5

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.5.1 Results	Max. Allowable Levels	Found
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	< 0.01
Selenium	1.0	< 0.01
Silver	5.0	< 0.01
Zinc	--	0.12

< = Less than

 Lab. No. 85-10519(M)

5.0 Sample Identification and Results

5.6 Sample Marked BH 23-5

Date sampled: Not Available

Collected by: Sive, Paget & Riesel

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

5.6.1 Results	Max. Allowable Levels	Found
E 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

< = Less than

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 Results

E P Toxicity (PPM)	Max. Allowable Levels	Found
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

Lab No 85-10519(M)

Quality Control Data % Recovery	Sample Identification BH 12A-0	BH 230	BH24-5
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

6.0 CONCLUSION

Samples are 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,

Nytest Environmental Inc.

G. J. Horvitz, Chief Officer

To:

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

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

mpy

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

REPORT OF TESTS

Date: July 17, 1985 Lab. No.: 85-10519 N

Client: Sieve, Paget & Riesel
Material Identification: Two (2) Water Samples
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

To:

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

Att: Mr. Joseph B. Hellmann, PE

gd

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

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc.

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,

Nytest Environmental Inc.

G. D. Horvitz, Chief Officer

To:

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

Att: Mr. Joseph B. Hellmann, PE
gd

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc

We find as follows:

RESULTS IN PPM:

Sample Identification	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Zinc
RRO: 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.

Respectfully submitted,

Nytest Environmental Inc.

G.J. Horvitz
Chief Officer

To:

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

Att: Mr. J.B. Hellmann, PE

gd

Lab No. 85-10519 P

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc

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

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

EXPLANATION

33-38 should be 33-33

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

nytest environmental inc.

REPORT OF TESTS

Date: August 26, 1985 Lab. No.: 85-10519(Q)

Client	Sive, Paget & Riesel
Material Identification	Four (4) Soil Samples 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,

Nytest Environmental Inc.

G. J. Horvitz, Chief Officer

To:

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

Att: Joseph B. Hellmann, P.E.

jw

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc

RESULTS

Results in mg/kg	Sample Identification 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

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Page: CONTENTS

Lab. No.: 85-10519(R)

TABLE OF CONTENTS

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

5.0 Sample Identification and Results

5.1 Sample Marked BH 25-1

Date sampled: Not Available

Collected by: Not Available

Date Received by Nytest Environmental Inc.: Not Available

5.1.1 Results

E P Toxicity (PPM)	Max. Allowable Levels	Found
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

< = Less than

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

E P Toxicity (PPM)	Max. Allowable Levels	Found
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

 Lab. No. 85-10519(R)

5.0 Sample Identification and Results

5.3 Sample Marked BH 28-13

Date sampled: Not Available

Collected by: Not Available

Date Received by Nytest Environmental Inc.: Not Available

5.3.1 Results

E P Toxicity (PPM)	Max. Allowable Levels	Found
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

< = Less than

 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

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

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

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

jw

SAMPLE WEIGHTS
AREA WIPE SAMPLES

Area	Weight (gms)
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

Duct Work System	Sample Weight (gms)
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