R100518F
SITE: CENTREDALE
Break: 3.6
Other: #6772

FINAL
TECHNICAL MEMORANDUM
VOLUME II - APPENDICES

WOONASQUATUCKET RIVER SEDIMENT INVESTIGATION

CENTREDALE MANOR RESTORATION PROJECT SITE
NORTH PROVIDENCE, RHODE ISLAND

RESPONSE ACTION CONTRACT (RAC), REGION I

For
U.S. Environmental Protection Agency

By
Tetra Tech NUS, Inc.

EPA Contract No. 68-W6-0045
EPA Work Assignment No. 043-TATA-016P
TtNUS Project No. N0400

June 2000

TETRA TECH NUS, INC.

6772

SDMS DocID 6772

CENTREDALE
RI00518F3.b
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Stephen S. Parker
Project Manager

George D. Gardner, P.E.
Program Manager

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CENTREDALE MANOR SITE
NORTH PROVIDENCE, RHODE ISLAND

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APPENDIX A

RESIDENTIAL SOIL RESULTS

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-004-01		RES-SS-10-004-02	RES-SS-10-004-03	RES-SS-10-005-01		RES-SS-10-005-02	RES-SS-10-005-03
Sample Location	RES-10-004-01		RES-10-004-02	RES-10-004-03	RES-10-005-01		RES-10-005-02	RES-10-005-03
Interval	0.0-1.0		0.0-1.0	0.0-1.0	0.0-1.0		0.0-1.0	0.0-1.0
Date Sampled	11/18/99		11/18/99	11/18/99	11/18/99		11/18/99	11/18/99
QC Identifier	None		None	None	None		None	None
Semivolatile Organic Analysis (UG/KG)	AQC33				AQC32			
1,1'-Biphenyl	460	U	NA	NA	3300	U	NA	NA
2,2'-oxybis(1-Chloropropane)	460	U	NA	NA	3300	U	NA	NA
2,4,5-Trichlorophenol	1200	U	NA	NA	8300	U	NA	NA
2,4,6-Trichlorophenol	460	U	NA	NA	3300	U	NA	NA
2,4-Dichlorophenol	460	U	NA	NA	3300	U	NA	NA
2,4-Dimethylphenol	460	U	NA	NA	3300	U	NA	NA
2,4-Dinitrophenol	1200	UJ	NA	NA	8300	UJ	NA	NA
2,4-Dinitrotoluene	460	U	NA	NA	3300	U	NA	NA
2,6-Dinitrotoluene	460	U	NA	NA	3300	U	NA	NA
2-Chloronaphthalene	460	U	NA	NA	3300	U	NA	NA
2-Chlorophenol	460	U	NA	NA	3300	U	NA	NA
2-Methylnaphthalene	460	U	NA	NA	3300	U	NA	NA
2-Methylphenol	460	U	NA	NA	3300	U	NA	NA
2-Nitroaniline	1200	UJ	NA	NA	8300	UJ	NA	NA
2-Nitrophenol	460	U	NA	NA	3300	U	NA	NA
3,3'-Dichlorobenzidine	460	UJ	NA	NA	3300	UJ	NA	NA
3-Nitroaniline	1200	U	NA	NA	8300	U	NA	NA
4,6-Dinitro-2-methylphenol	1200	UJ	NA	NA	8300	UJ	NA	NA
4-Bromophenyl-phenylether	460	U	NA	NA	3300	U	NA	NA
4-Chloro-3-methylphenol	460	U	NA	NA	3300	U	NA	NA
4-Chloroaniline	460	U	NA	NA	3300	U	NA	NA
4-Chlorophenyl-phenylether	460	U	NA	NA	3300	U	NA	NA
4-Methylphenol	460	U	NA	NA	3300	U	NA	NA
4-Nitroaniline	1200	U	NA	NA	8300	U	NA	NA
4-Nitrophenol	1200	UJ	NA	NA	8300	UJ	NA	NA
Acenaphthene	460	U	NA	NA	3300	U	NA	NA
Acenaphthylene	460	U	NA	NA	3300	U	NA	NA
Acetophenone	460	U	NA	NA	3300	U	NA	NA
Anthracene	18	J	NA	NA	3300	U	NA	NA
Atrazine	460	UJ	NA	NA	3300	UJ	NA	NA
Benzaldehyde	460	U	NA	NA	3300	U	NA	NA
Benzo(a)anthracene	120	J	NA	NA	3300	U	NA	NA
Benzo(a)pyrene	110	J	NA	NA	3300	U	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-004-01		RES-SS-10-004-02	RES-SS-10-004-03	RES-SS-10-005-01		RES-SS-10-005-02	RES-SS-10-005-03
Sample Location	RES-10-004-01		RES-10-004-02	RES-10-004-03	RES-10-005-01		RES-10-005-02	RES-10-005-03
Interval	0.0-1.0		0.0-1.0	0.0-1.0	0.0-1.0		0.0-1.0	0.0-1.0
Date Sampled	11/18/99		11/18/99	11/18/99	11/18/99		11/18/99	11/18/99
QC Identifier	None		None	None	None		None	None
Benzo(b)fluoranthene	120	J	NA	NA	3300	U	NA	NA
Benzo(g,h,i)perylene	71	J	NA	NA	3300	U	NA	NA
Benzo(k)fluoranthene	120	J	NA	NA	3300	U	NA	NA
Bis(2-Chloroethoxy)methane	460	U	NA	NA	3300	U	NA	NA
Bis(2-Chloroethyl)ether	460	U	NA	NA	3300	U	NA	NA
bis(2-Ethylhexyl)phthalate	61	J	NA	NA	3300	U	NA	NA
Butylbenzylphthalate	460	U	NA	NA	3300	U	NA	NA
Caprolactam	460	UJ	NA	NA	3300	UJ	NA	NA
Carbazole	460	U	NA	NA	3300	U	NA	NA
Chrysene	160	J	NA	NA	3300	U	NA	NA
Di-n-Butylphthalate	49	J	NA	NA	3300	U	NA	NA
Di-n-octylphthalate	460	U	NA	NA	3300	U	NA	NA
Dibenzo(a,h)anthracene	460	U	NA	NA	3300	U	NA	NA
Dibenzofuran	460	U	NA	NA	3300	U	NA	NA
Diethylphthalate	460	U	NA	NA	3300	U	NA	NA
Dimethylphthalate	460	U	NA	NA	3300	U	NA	NA
Fluoranthene	220	J	NA	NA	3300	U	NA	NA
Fluorene	460	U	NA	NA	3300	U	NA	NA
Hexachlorobenzene	460	UJ	NA	NA	3300	UJ	NA	NA
Hexachlorobutadiene	460	U	NA	NA	3300	U	NA	NA
Hexachlorocyclopentadiene	460	UJ	NA	NA	3300	UJ	NA	NA
Hexachloroethane	460	U	NA	NA	3300	U	NA	NA
Indeno(1,2,3-cd)pyrene	78	J	NA	NA	3300	U	NA	NA
Isophorone	460	U	NA	NA	3300	U	NA	NA
N-Nitroso-di-n-propylamine	460	UJ	NA	NA	3300	UJ	NA	NA
N-Nitroso-diphenylamine	460	U	NA	NA	3300	U	NA	NA
Naphthalene	460	U	NA	NA	3300	U	NA	NA
Nitrobenzene	460	U	NA	NA	3300	U	NA	NA
Pentachlorophenol	1200	UJ	NA	NA	8300	UJ	NA	NA
Phenanthrene	120	J	NA	NA	3300	U	NA	NA
Phenol	460	U	NA	NA	3300	U	NA	NA
Pyrene	230	J	NA	NA	3300	UJ	NA	NA
Total PAH	140		NA	NA	3300	U	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-004-01		RES-SS-10-004-02		RES-SS-10-004-03		RES-SS-10-005-01		RES-SS-10-005-02		RES-SS-10-005-03	
Sample Location	RES-10-004-01		RES-10-004-02		RES-10-004-03		RES-10-005-01		RES-10-005-02		RES-10-005-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	None		None		None		None		None		None	
Pesticide/PCB Analysis (UG/KG)	AQC33						AQC32					
4,4'-DDD	4.7	U	NA		NA		7.1		NA		NA	
4,4'-DDE	4.7	U	NA		NA		31		NA		NA	
4,4'-DDT	4.7	U	NA		NA		6.6	J	NA		NA	
Aldrin	2.4	U	NA		NA		3.5	U	NA		NA	
alpha-BHC	2.4	U	NA		NA		3.5	U	NA		NA	
alpha-Chlordane	2.4	U	NA		NA		8.6		NA		NA	
Aroclor, Total	95	U	NA		NA		140	U	NA		NA	
Aroclor-1016	47	U	NA		NA		67	U	NA		NA	
Aroclor-1221	95	U	NA		NA		140	U	NA		NA	
Aroclor-1232	47	U	NA		NA		67	U	NA		NA	
Aroclor-1242	47	U	NA		NA		67	U	NA		NA	
Aroclor-1248	47	U	NA		NA		67	U	NA		NA	
Aroclor-1254	47	U	NA		NA		67	U	NA		NA	
Aroclor-1260	47	U	NA		NA		67	U	NA		NA	
beta-BHC	2.4	U	NA		NA		3.5	U	NA		NA	
delta-BHC	2.4	U	NA		NA		3.5	U	NA		NA	
Dieldrin	4.7	U	NA		NA		6.7	U	NA		NA	
Endosulfan I	2.4	U	NA		NA		3.5	U	NA		NA	
Endosulfan II	4.7	U	NA		NA		6.7	U	NA		NA	
Endosulfan Sulfate	4.7	U	NA		NA		6.7	U	NA		NA	
Endrin	4.7	U	NA		NA		6.7	U	NA		NA	
Endrin Aldehyde	4.7	U	NA		NA		6.7	U	NA		NA	
Endrin Ketone	4.7	U	NA		NA		6.7	U	NA		NA	
gamma-BHC	2.4	U	NA		NA		3.5	U	NA		NA	
gamma-Chlordane	2.4	U	NA		NA		5.0		NA		NA	
Heptachlor	2.4	U	NA		NA		3.5	U	NA		NA	
Heptachlor Epoxide	2.4	U	NA		NA		3.5	U	NA		NA	
Methoxychlor	24	U	NA		NA		35	U	NA		NA	
Toxaphene	240	U	NA		NA		350	U	NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-004-01		RES-SS-10-004-02		RES-SS-10-004-03		RES-SS-10-005-01		RES-SS-10-005-02		RES-SS-10-005-03	
Sample Location	RES-10-004-01		RES-10-004-02		RES-10-004-03		RES-10-005-01		RES-10-005-02		RES-10-005-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	None		None		None		None		None		None	
Dioxin Analysis (NG/KG)	D01437		D01438		D01439		D01432		D01433		D01436	
1,2,3,4,6,7,8-HpCDD	30.2	J	14.1		10.9		88.6	J	49.2		48 0	
1,2,3,4,6,7,8-HpCDF	12.0		6.2		5.1		28.9		13.6		15.2	
1,2,3,4,7,8,9-HpCDF	1.2	EMPC	0 81	J	0 60	U	2 6	J	1 8	U	1 9	U
1,2,3,4,7,8-HxCDD	0 99	J	0 42	J	0 60	U	1 1	J	0 90	U	1 0	U
1,2,3,4,7,8-HxCDF	7 9	EB	3 5	JEB	2 8	JEB	7 4	EB	2 7	JEB	2 3	JEB
1,2,3,6,7,8-HxCDD	2 1	J	1 2	J	0 78	J	3 7	EMPC	2 0	J	1 9	J
1,2,3,6,7,8-HxCDF	2.0	J	1 1	J	0 80	EMPC	2 6	J	0 83	EMPC	1 0	EMPC
1,2,3,7,8,9-HxCDD	2.4	J	1 9	J	1 6	J	3 7	J	2 1	J	1 6	J
1,2,3,7,8,9-HxCDF	0 00	U	0 30	U	0 50	U	0 90	U	0.70	U	0 70	U
1,2,3,7,8-PeCDD	0 99	J	0 40	UJ	0 50	UJ	1 4	J	0 80	UJ	0 70	UJ
1,2,3,7,8-PeCDF	2 0	J	1 5	J	1 4	EMPC	2 8	J	0.71	J	0 40	U
1,2,4,5,7,8-hexachloro(9H)xanthene	1.79	J	0 74	J	0 00	U	8 42	J	0 00	U	0 00	U
2,3,4,6,7,8-HxCDF	3.3	J	1 4	J	1 3	J	3 1	J	1 3	J	1 2	J
2,3,4,7,8-PeCDF	2 5	J	0 64	J	0 48	J	2 0	J	0 91	J	0 40	U
2,3,7,8-TCDD	113	J	4 4		0 60	U	148		6 3		0 86	EMPC
2,3,7,8-TCDF	9 7		3 7		2 8		6 8		1 9		2 1	
OCDD	324	JEB	681	EB	582	EB	918	JEB	507	JEB	514	JEB
OCDF	12 8	J	6 0	J	4 2	J	48 6	J	32 3	J	22 7	J
Total HpCDD	62 3	J	29 7	J	21 1	J	207	J	97 9	J	99 0	J
Total HpCDF	22 8	J	11 7	J	8 4	J	68 6	J	30 2	J	33 7	J
Total HxCDD	31 6	J	14 9	J	7 8	J	37 4	J	16 7	J	16 0	J
Total HxCDF	45 9	J	17 3	J	13 6	J	49 9	J	15 6	J	19 5	J
Total PeCDD	31 6	J	8 1	J	1 4	J	20 0	J	0 91	J	2 1	EMPC
Total PeCDF	113	J	13 5	J	14 7	J	58 1	J	11 4	J	8 9	J
Total TCDD	143	J	18 7	J	9 9	J	163	J	8 7	J	3 9	J
Total TCDF	117	J	15 6	J	5 3	J	76 4	J	13 7	J	8 4	J
Toxicity Equivalency	119		6 6		2 1		155		9 0		3 1	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-004-01		RES-SS-10-004-02		RES-SS-10-004-03		RES-SS-10-005-01		RES-SS-10-005-02		RES-SS-10-005-03	
Sample Location	RES-10-004-01		RES-10-004-02		RES-10-004-03		RES-10-005-01		RES-10-005-02		RES-10-005-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	None		None		None		None		None		None	
TAL Metal Analysis (MG/KG)	MALJ83						MALJ82					
Aluminum	12100		NA		NA		10400		NA		NA	
Antimony	0.86	UJ	NA		NA		0.82	UJ	NA		NA	
Arsenic	9.1		NA		NA		8.1		NA		NA	
Barium	63.7		NA		NA		59.5		NA		NA	
Beryllium	0.92		NA		NA		0.86		NA		NA	
Cadmium	0.09	U	NA		NA		0.11	U	NA		NA	
Calcium	943	J	NA		NA		1730	J	NA		NA	
Chromium	16.0		NA		NA		18.9		NA		NA	
Cobalt	4.6		NA		NA		4.7		NA		NA	
Copper	25.3		NA		NA		32.0		NA		NA	
Iron	12700		NA		NA		13400		NA		NA	
Lead	207		NA		NA		112		NA		NA	
Magnesium	2000	J	NA		NA		2020	J	NA		NA	
Manganese	197		NA		NA		217		NA		NA	
Mercury	0.12	J	NA		NA		0.13	J	NA		NA	
Nickel	9.1		NA		NA		9.9		NA		NA	
Potassium	713		NA		NA		517		NA		NA	
Selenium	0.91	J	NA		NA		0.64	U	NA		NA	
Silver	0.46	U	NA		NA		0.79	U	NA		NA	
Sodium	44.7	U	NA		NA		55.5	U	NA		NA	
Thallium	0.61	U	NA		NA		0.75	U	NA		NA	
Vanadium	26.0		NA		NA		20.5		NA		NA	
Zinc	84.1		NA		NA		77.8		NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-042-01		RES-SS-10-042-02		RES-SS-10-042-03		RES-SS-10-044-01		RES-SS-DU-111999A	
Sample Location	RES-10-042-01		RES-10-042-02		RES-10-042-03		RES-10-044-01		RES-10-044-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/19/99		11/19/99	
QC Identifier	None		None		None		Field Dup RES-SS-10-044-01		Field Dup RES-SS-10-044-01	
Semivolatile Organic Analysis (UG/KG)	AQC34						AQC37		AQC44	
1,1'-Biphenyl	120	J	NA		NA		4300	U	4400	U
2,2'-oxybis(1-Chloropropane)	820	U	NA		NA		4300	U	4400	U
2,4,5-Trichlorophenol	2000	U	NA		NA		11000	U	11000	U
2,4,6-Trichlorophenol	820	U	NA		NA		4300	U	4400	U
2,4-Dichlorophenol	820	U	NA		NA		4300	U	4400	U
2,4-Dimethylphenol	820	U	NA		NA		4300	U	4400	U
2,4-Dinitrophenol	2000	UJ	NA		NA		11000	UJ	11000	U
2,4-Dinitrotoluene	820	U	NA		NA		4300	U	4400	U
2,6-Dinitrotoluene	820	U	NA		NA		4300	U	4400	U
2-Chloronaphthalene	820	U	NA		NA		4300	U	4400	U
2-Chlorophenol	820	U	NA		NA		4300	U	4400	U
2-Methylnaphthalene	820	U	NA		NA		4300	U	4400	U
2-Methylphenol	820	U	NA		NA		4300	U	4400	U
2-Nitroaniline	2000	U	NA		NA		11000	UJ	11000	U
2-Nitrophenol	820	U	NA		NA		4300	U	4400	U
3,3'-Dichlorobenzidine	820	UJ	NA		NA		4300	UJ	4400	U
3-Nitroaniline	2000	U	NA		NA		11000	U	11000	U
4,6-Dinitro-2-methylphenol	2000	UJ	NA		NA		11000	UJ	11000	U
4-Bromophenyl-phenylether	820	U	NA		NA		4300	U	4400	U
4-Chloro-3-methylphenol	820	U	NA		NA		4300	U	4400	U
4-Chloroaniline	820	U	NA		NA		4300	U	4400	U
4-Chlorophenyl-phenylether	820	U	NA		NA		4300	U	4400	U
4-Methylphenol	820	U	NA		NA		4300	U	4400	U
4-Nitroaniline	2000	U	NA		NA		11000	U	11000	U
4-Nitrophenol	2000	UJ	NA		NA		11000	UJ	11000	U
Acenaphthene	820	U	NA		NA		4300	U	4400	U
Acenaphthylene	820	U	NA		NA		4300	U	4400	U
Acetophenone	820	U	NA		NA		4300	U	4400	U
Anthracene	17	J	NA		NA		140	J	110	J
Atrazine	820	UJ	NA		NA		4300	UJ	4400	U
Benzaldehyde	200	J	NA		NA		4300	U	4400	U
Benzo(a)anthracene	120	J	NA		NA		490	J	580	
Benzo(a)pyrene	120	J	NA		NA		420	J	530	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-042-01		RES-SS-10-042-02		RES-SS-10-042-03		RES-SS-10-044-01		RES-SS-DU-111999A	
Sample Location	RES-10-042-01		RES-10-042-02		RES-10-042-03		RES-10-044-01		RES-10-044-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/19/99		11/19/99	
QC Identifier	None		None		None		Field Dup RES-SS-10-044-01		Field Dup RES-SS-10-044-01	
Benzo(b)fluoranthene	110	J	NA		NA		410	J	500	J
Benzo(g,h,i)perylene	820	U	NA		NA		4300	U	450	J
Benzo(k)fluoranthene	110	J	NA		NA		370	J	530	J
Bis(2-Chloroethoxy)methane	820	U	NA		NA		4300	U	4400	U
Bis(2-Chloroethyl)ether	820	U	NA		NA		4300	U	4400	U
bis(2-Ethylhexyl)phthalate	210	J	NA		NA		550	J	4200	J
Butylbenzylphthalate	820	U	NA		NA		4300	U	4400	UJ
Caprolactam	820	UJ	NA		NA		4300	UJ	4400	U
Carbazole	820	U	NA		NA		4300	U	4400	U
Chrysene	180	J	NA		NA		820	J	800	J
Di-n-Butylphthalate	820	U	NA		NA		4300	U	4400	U
Di-n-octylphthalate	820	U	NA		NA		4300	U	4400	UJ
Dibenzo(a,h)anthracene	820	U	NA		NA		4300	U	4400	U
Dibenzofuran	820	U	NA		NA		4300	U	4400	U
Diethylphthalate	820	U	NA		NA		4300	U	4400	U
Dimethylphthalate	820	U	NA		NA		4300	U	4400	U
Fluoranthene	200	J	NA		NA		1200	J	1200	J
Fluorene	820	U	NA		NA		4300	U	4400	U
Hexachlorobenzene	820	UJ	NA		NA		4300	UJ	4400	U
Hexachlorobutadiene	820	U	NA		NA		4300	U	4400	U
Hexachlorocyclopentadiene	820	UJ	NA		NA		4300	UJ	4400	UJ
Hexachloroethane	820	U	NA		NA		4300	U	4400	U
Indeno(1,2,3-cd)pyrene	94	J	NA		NA		4300	U	4400	U
Isophorone	820	U	NA		NA		4300	U	4400	U
N-Nitroso-di-n-propylamine	820	UJ	NA		NA		4300	UJ	4400	U
N-Nitroso-diphenylamine	820	U	NA		NA		4300	U	4400	U
Naphthalene	180	J	NA		NA		4300	U	4400	U
Nitrobenzene	820	U	NA		NA		4300	U	4400	U
Pentachlorophenol	2000	UJ	NA		NA		11000	UJ	11000	UJ
Phenanthrene	130	J	NA		NA		970	J	920	J
Phenol	820	U	NA		NA		4300	U	4400	U
Pyrene	250	J	NA		NA		1100	J	1100	J
Total PAH	150		NA		NA		510		640	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-042-01		RES-SS-10-042-02		RES-SS-10-042-03		RES-SS-10-044-01		RES-SS-DU-111999A	
Sample Location	RES-10-042-01		RES-10-042-02		RES-10-042-03		RES-10-044-01		RES-10-044-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/19/99		11/19/99	
QC Identifier	None		None		None		Field Dup. RES-SS-10-044-01		Field Dup. RES-SS-10-044-01	
Pesticide/PCB Analysis (UG/KG)	AQC34						AQC37		AQC44	
4,4'-DDD	8.1	U	NA		NA		8.5	U	8 8	U
4,4'-DDE	8.1	U	NA		NA		33		39	
4,4'-DDT	8 1	U	NA		NA		12		14	
Aldrin	4.2	U	NA		NA		4 4	U	4 6	U
alpha-BHC	4.2	U	NA		NA		4 4	U	4 6	U
alpha-Chlordane	5.6		NA		NA		4 4	U	4 6	U
Aroclor, Total	160	U	NA		NA		350		350	
Aroclor-1016	81	U	NA		NA		85	U	88	U
Aroclor-1221	160	U	NA		NA		170	U	180	U
Aroclor-1232	81	U	NA		NA		85	U	88	U
Aroclor-1242	81	U	NA		NA		85	U	88	U
Aroclor-1248	81	U	NA		NA		85	U	88	U
Aroclor-1254	81	U	NA		NA		210		240	
Aroclor-1260	81	U	NA		NA		140		110	
beta-BHC	4.2	U	NA		NA		4.4	U	4 6	U
delta-BHC	4.2	U	NA		NA		4 4	U	4 6	U
Dieldrin	8 1	U	NA		NA		8 5	U	8 8	U
Endosulfan I	4 2	U	NA		NA		4 4	U	4 6	U
Endosulfan II	8.1	U	NA		NA		8 5	U	8 8	U
Endosulfan Sulfate	8.1	U	NA		NA		8 5	U	8 8	U
Endrin	8.1	U	NA		NA		8 5	U	8 8	U
Endrin Aldehyde	8.1	U	NA		NA		8 5	U	8 8	U
Endrin Ketone	8.1	U	NA		NA		8 5	U	8 8	U
gamma-BHC	4.2	U	NA		NA		4 4	U	4 6	U
gamma-Chlordane	3 8	J	NA		NA		4 4	U	4 6	U
Heptachlor	4 2	U	NA		NA		4 4	U	4 6	U
Heptachlor Epoxide	4 2	U	NA		NA		4 4	U	4 6	U
Methoxychlor	42	U	NA		NA		44	U	46	U
Toxaphene	420	U	NA		NA		440	U	460	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-042-01		RES-SS-10-042-02		RES-SS-10-042-03		RES-SS-10-044-01		RES-SS-DU-111999A	
Sample Location	RES-10-042-01		RES-10-042-02		RES-10-042-03		RES-10-044-01		RES-10-044-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/19/99		11/19/99	
QC Identifier	None		None		None		Field Dup RES-SS-10-044-01		Field Dup RES-SS-10-044-01	
Dioxin Analysis (NG/KG)	D01440		D01441		D01442		D01448			
1,2,3,4,6,7,8-HpCDD	103		10.1		13.0	EMPC	514			NA
1,2,3,4,6,7,8-HpCDF	259		6.8		9.0		201			NA
1,2,3,4,7,8,9-HpCDF	17.9		0.75	J	0.80	U	11.0			NA
1,2,3,4,7,8-HxCDD	11.3		0.46	J	0.70	U	6.3			NA
1,2,3,4,7,8-HxCDF	259	EB	3.5	JEB	3.2	UJ	30.4			NA
1,2,3,6,7,8-HxCDD	15.8		0.72	EMPC	0.60	U	25.2			NA
1,2,3,6,7,8-HxCDF	88.2		1.1	J	1.2	J	15.7	J		NA
1,2,3,7,8,9-HxCDD	32.3		1.1	J	1.0	EMPC	28.8			NA
1,2,3,7,8,9-HxCDF	3.4	J	0.30	U	0.50	U	3.9	U		NA
1,2,3,7,8-PeCDD	17.4		0.46	EMPC	0.80	U	6.4	EMPC		NA
1,2,3,7,8-PeCDF	80.3		1.0	J	0.50	U	20.7			NA
1,2,4,5,7,8-hexachloro(9H)xanthene	8.77	J	0.00	U	0.00	U	407.35	J		NA
2,3,4,6,7,8-HxCDF	134		1.9	J	1.6	J	17.0			NA
2,3,4,7,8-PeCDF	160		1.1	EMPC	1.5	EMPC	14.2			NA
2,3,7,8-TCDD	161		2.0		2.0		496	&		NA
2,3,7,8-TCDF	448	J	3.7		3.6		36.0			NA
OCDD	354	EB	67.8	EB	100	EB	3250	EB		NA
OCDF	61.8		5.1	J	8.9	J	495			NA
Total HpCDD	222	J	26.7	J	19.6	J	1050	J		NA
Total HpCDF	363	J	12.3	J	15.2	J	499	J		NA
Total HxCDD	225	J	10.5	J	9.1	J	293	J		NA
Total HxCDF	912	J	15.0	J	8.0	J	254	J		NA
Total PeCDD	223	J	4.1	J	3.0	EMPC	33.7	J		NA
Total PeCDF	1640	J	16.1	J	10.5	J	272	J		NA
Total TCDD	361	J	4.7	J	2.0	J	496	J&		NA
Total TCDF	2440	J	22.6	J	14.9	J	305	J		NA
Toxicity Equivalency	365		4.5		4.4		534			NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-042-01		RES-SS-10-042-02		RES-SS-10-042-03		RES-SS-10-044-01		RES-SS-DU-111999A	
Sample Location	RES-10-042-01		RES-10-042-02		RES-10-042-03		RES-10-044-01		RES-10-044-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/19/99		11/19/99	
QC Identifier	None		None		None		Field Dup. RES-SS-10-044-01		Field Dup. RES-SS-10-044-01	
TAL Metal Analysis (MG/KG)	MALJ84						MALJ87		MALJ93	
Aluminum	13200				NA		NA	11900		11600	
Antimony	38.2	J			NA		NA	3.8	J	5.2	J
Arsenic	55.6				NA		NA	14.8		14.4	
Barium	286				NA		NA	65.7		67.3	
Beryllium	0.79				NA		NA	0.93		0.94	
Cadmium	5.0				NA		NA	1.7		1.4	
Calcium	23900				NA		NA	1340	U	1440	U
Chromium	52.6				NA		NA	52.6		49.8	
Cobalt	21.7				NA		NA	3.8		4.1	
Copper	2350				NA		NA	82.4		83.6	
Iron	29300				NA		NA	25500		31500	
Lead	368				NA		NA	509		477	
Magnesium	2890	J			NA		NA	1320	J	1260	J
Manganese	695				NA		NA	178		179	
Mercury	0.13	J			NA		NA	1.1	J	3.0	J
Nickel	38.0				NA		NA	14.1		14.2	
Potassium	2530				NA		NA	598		644	
Selenium	0.89	U			NA		NA	0.93	U	1.3	J
Silver	5.1				NA		NA	1.4		2.3	
Sodium	2010				NA		NA	168	U	86.0	U
Thallium	1.0	U			NA		NA	1.1	U	1.2	U
Vanadium	21.5				NA		NA	49.7		51.2	
Zinc	808				NA		NA	504		468	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-044-01-MAX		RES-SS-10-044-02		RES-SS-10-044-03		RES-SS-10-053-01		RES-SS-DU-120299C	
Sample Location	RES-10-044-01		RES-10-044-02		RES-10-044-03		RES-10-053-01		RES-10-053-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/19/99		11/19/99		11/19/99		12/2/99		12/2/99	
QC Identifier	Field Dup. RES-SS-10-044-01		None		None		Field Dup. RES-SS-10-053-01		Field Dup. RES-SS-10-053-01	
Semivolatile Organic Analysis (UG/KG)	AQC44						APK65		APK62	
1,1'-Biphenyl	4400	U	NA		NA		500	U	480	U
2,2'-oxybis(1-Chloropropane)	4400	U	NA		NA		500	U	480	U
2,4,5-Trichlorophenol	11000	U	NA		NA		1300	U	1200	U
2,4,6-Trichlorophenol	4400	U	NA		NA		500	U	480	U
2,4-Dichlorophenol	4400	U	NA		NA		500	U	480	U
2,4-Dimethylphenol	4400	U	NA		NA		500	U	480	U
2,4-Dinitrophenol	11000	U	NA		NA		1300	U	1200	U
2,4-Dinitrotoluene	4400	U	NA		NA		500	U	480	U
2,6-Dinitrotoluene	4400	U	NA		NA		500	U	480	U
2-Chloronaphthalene	4400	U	NA		NA		500	U	480	U
2-Chlorophenol	4400	U	NA		NA		500	U	480	U
2-Methylnaphthalene	4400	U	NA		NA		500	U	480	U
2-Methylphenol	4400	U	NA		NA		500	U	480	U
2-Nitroaniline	11000	U	NA		NA		1300	U	1200	U
2-Nitrophenol	4400	U	NA		NA		500	U	480	U
3,3'-Dichlorobenzidine	4400	U	NA		NA		500	U	480	U
3-Nitroaniline	11000	U	NA		NA		1300	U	1200	U
4,6-Dinitro-2-methylphenol	11000	U	NA		NA		1300	U	1200	U
4-Bromophenyl-phenylether	4400	U	NA		NA		500	U	480	U
4-Chloro-3-methylphenol	4400	U	NA		NA		500	U	480	U
4-Chloroaniline	4400	U	NA		NA		500	U	480	U
4-Chlorophenyl-phenylether	4400	U	NA		NA		500	U	480	U
4-Methylphenol	4400	U	NA		NA		500	U	480	U
4-Nitroaniline	11000	U	NA		NA		1300	U	1200	U
4-Nitrophenol	11000	U	NA		NA		1300	U	1200	U
Acenaphthene	4400	U	NA		NA		500	U	480	U
Acenaphthylene	4400	U	NA		NA		500	U	480	U
Acetophenone	4400	U	NA		NA		500	U	480	U
Anthracene	140		NA		NA		500	U	480	U
Atrazine	4400	U	NA		NA		500	U	480	U
Benzaldehyde	4400	U	NA		NA		500	U	480	U
Benzo(a)anthracene	580		NA		NA		84	J	480	U
Benzo(a)pyrene	530		NA		NA		100	J	480	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-044-01-MAX		RES-SS-10-044-02		RES-SS-10-044-03		RES-SS-10-053-01		RES-SS-DU-120299C	
Sample Location	RES-10-044-01		RES-10-044-02		RES-10-044-03		RES-10-053-01		RES-10-053-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/19/99		11/19/99		11/19/99		12/2/99		12/2/99	
QC Identifier	Field Dup. RES-SS-10-044-01		None		None		Field Dup. RES-SS-10-053-01		Field Dup. RES-SS-10-053-01	
Benzo(b)fluoranthene	500		NA		NA		500	U	480	U
Benzo(g,h,i)perylene	4300	U	NA		NA		500	U	480	U
Benzo(k)fluoranthene	530		NA		NA		500	U	480	U
Bis(2-Chloroethoxy)methane	4400	U	NA		NA		500	U	480	U
Bis(2-Chloroethyl)ether	4400	U	NA		NA		500	U	480	U
bis(2-Ethylhexyl)phthalate	4200		NA		NA		170	J	75	J
Butylbenzylphthalate	4300	U	NA		NA		500	U	480	U
Caprolactam	4400	U	NA		NA		500	U	480	U
Carbazole	4400	U	NA		NA		500	U	480	U
Chrysene	820		NA		NA		98	J	480	U
Di-n-Butylphthalate	4400	U	NA		NA		500	U	480	U
Di-n-octylphthalate	4300	U	NA		NA		500	U	480	U
Dibenzo(a,h)anthracene	4400	U	NA		NA		500	U	480	U
Dibenzofuran	4400	U	NA		NA		500	U	480	U
Diethylphthalate	4400	U	NA		NA		500	U	480	U
Dimethylphthalate	4400	U	NA		NA		500	U	480	U
Fluoranthene	1200		NA		NA		180	J	52	J
Fluorene	4400	U	NA		NA		500	U	480	U
Hexachlorobenzene	4400	U	NA		NA		500	U	480	U
Hexachlorobutadiene	4400	U	NA		NA		500	U	480	U
Hexachlorocyclopentadiene	4400	U	NA		NA		500	U	480	U
Hexachloroethane	4400	U	NA		NA		500	U	480	U
Indeno(1,2,3-cd)pyrene	4400	U	NA		NA		500	U	480	U
Isophorone	4400	U	NA		NA		500	U	480	U
N-Nitroso-di-n-propylamine	4400	U	NA		NA		500	U	480	U
N-Nitroso-diphenylamine	4400	U	NA		NA		500	U	480	U
Naphthalene	4400	U	NA		NA		500	U	480	U
Nitrobenzene	4400	U	NA		NA		500	U	480	U
Pentachlorophenol	11000	U	NA		NA		1300	U	1200	U
Phenanthrene	970		NA		NA		170	J	480	U
Phenol	4400	U	NA		NA		500	U	480	U
Pyrene	1100		NA		NA		260	J	73	J
Total PAH	640		NA		NA		110		480	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-044-01-MAX		RES-SS-10-044-02		RES-SS-10-044-03		RES-SS-10-053-01		RES-SS-DU-120299C	
Sample Location	RES-10-044-01		RES-10-044-02		RES-10-044-03		RES-10-053-01		RES-10-053-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/19/99		11/19/99		11/19/99		12/2/99		12/2/99	
QC Identifier	Field Dup RES-SS-10-044-01		None		None		Field Dup RES-SS-10-053-01		Field Dup RES-SS-10-053-01	
Pesticide/PCB Analysis (UG/KG)	AQC37						APK65		APK62	
4,4'-DDD	8.8	U	NA		NA		5.1	U	4.8	U
4,4'-DDE	39		NA		NA		5.1	U	4.8	U
4,4'-DDT	14		NA		NA		5.1	U	4.8	U
Aldrin	4.6	U	NA		NA		2.6	U	2.5	U
alpha-BHC	4.6	U	NA		NA		2.6	U	2.5	U
alpha-Chlordane	4.6	U	NA		NA		2.6	U	2.5	U
Aroclor, Total	380		NA		NA		41		42	
Aroclor-1016	88	U	NA		NA		51	U	48	U
Aroclor-1221	180	U	NA		NA		100	U	98	U
Aroclor-1232	88	U	NA		NA		51	U	48	U
Aroclor-1242	88	U	NA		NA		51	U	48	U
Aroclor-1248	88	U	NA		NA		51	U	48	U
Aroclor-1254	240		NA		NA		41	J	42	J
Aroclor-1260	140		NA		NA		51	U	48	U
beta-BHC	4.6	U	NA		NA		2.6	U	2.5	U
delta-BHC	4.6	U	NA		NA		2.6	U	2.5	U
Dieldrin	8.8	U	NA		NA		5.1	U	4.8	U
Endosulfan I	4.6	U	NA		NA		2.6	U	2.5	U
Endosulfan II	8.8	U	NA		NA		5.1	U	4.8	U
Endosulfan Sulfate	8.8	U	NA		NA		5.1	U	4.8	U
Endrin	8.8	U	NA		NA		5.1	U	4.8	U
Endrin Aldehyde	8.8	U	NA		NA		5.1	U	4.8	U
Endrin Ketone	8.8	U	NA		NA		5.1	U	4.8	U
gamma-BHC	4.6	U	NA		NA		2.6	U	2.5	U
gamma-Chlordane	4.6	U	NA		NA		2.6	U	2.5	U
Heptachlor	4.6	U	NA		NA		2.6	U	2.5	U
Heptachlor Epoxide	4.6	U	NA		NA		2.6	U	2.5	U
Methoxychlor	46	U	NA		NA		26	U	25	U
Toxaphene	460	U	NA		NA		260	U	250	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-044-01-MAX		RES-SS-10-044-02		RES-SS-10-044-03		RES-SS-10-053-01		RES-SS-DU-120299C	
Sample Location	RES-10-044-01		RES-10-044-02		RES-10-044-03		RES-10-053-01		RES-10-053-01	
Interval	0 0-1 0		0 0-1 0		0 0-1.0		0 0-1 0		0 0-1 0	
Date Sampled	11/19/99		11/19/99		11/19/99		12/2/99		12/2/99	
QC Identifier	Field Dup. RES-SS-10-044-01		None		None		Field Dup. RES-SS-10-053-01		Field Dup. RES-SS-10-053-01	
Dioxin Analysis (NG/KG)	D01448		D01451		D01452		D01143			
1,2,3,4,6,7,8-HpCDD	514		22 6		21 5		69.0	J	NA	
1,2,3,4,6,7,8-HpCDF	201		10 4		11 8		43.1		NA	
1,2,3,4,7,8,9-HpCDF	11 0		2 0	U	1.5	U	2.6	J	NA	
1,2,3,4,7,8-HxCDD	6 3		1 4	U	1 1	U	2 4	J	NA	
1,2,3,4,7,8-HxCDF	30 4		3 9	EMPC	5 2		8 1		NA	
1,2,3,6,7,8-HxCDD	25 2		1 2	U	0 90	U	6.7		NA	
1,2,3,6,7,8-HxCDF	15.7		2 1	J	1 7	EMPC	3 8	J	NA	
1,2,3,7,8,9-HxCDD	28 8		1 4	U	1 1	U	6 6		NA	
1,2,3,7,8,9-HxCDF	3.9	U	0.90	U	0 70	U	0.90	U	NA	
1,2,3,7,8-PeCDD	6 4		1 6	U	0.80	U	2.2	EMPC	NA	
1,2,3,7,8-PeCDF	20.7		1 5	EMPC	3 4	J	3 4	J	NA	
1,2,4,5,7,8-hexachloro(9H)xanthene	407.35		0.00	U	0 00	U	2 52	J	NA	
2,3,4,6,7,8-HxCDF	17.0		2 3	J	2.3	J	5.0	EMPC	NA	
2,3,4,7,8-PeCDF	14 2		2 1	EMPC	2.7	J	5 3		NA	
2,3,7,8-TCDD	496		58.6		8 4		32 7		NA	
2,3,7,8-TCDF	36 0		7.9		6 0		10 1		NA	
OCDD	3250		191	JEB	129	EB	413	J	NA	
OCDF	495		15.7	J	15 2		27 3		NA	
Total HpCDD	1050		52 2	J	49.7	J	187	J	NA	
Total HpCDF	499		10 4	J	11 8	J	69 8	J	NA	
Total HxCDD	293		5 3	J	6 3	J	60 4	UJ	NA	
Total HxCDF	254		13 8	J	17 5	J	42 4	J	NA	
Total PeCDD	33 7		12 2	J	5 5	EMPC	50 9	EMPC	NA	
Total PeCDF	272		14 0	J	25 9	J	44 6	J	NA	
Total TCDD	496		67 3	J	10 8	J	54 7	J	NA	
Total TCDF	305		38 0	J	31 7	J	53 5	J	NA	
Toxicity Equivalency	534		62 8		12 4		43 2		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-044-01-MAX	RES-SS-10-044-02	RES-SS-10-044-03	RES-SS-10-053-01	RES-SS-DU-120299C
Sample Location	RES-10-044-01	RES-10-044-02	RES-10-044-03	RES-10-053-01	RES-10-053-01
Interval	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
Date Sampled	11/19/99	11/19/99	11/19/99	12/2/99	12/2/99
QC Identifier	Field Dup. RES-SS-10-044-01	None	None	Field Dup. RES-SS-10-053-01	Field Dup. RES-SS-10-053-01
TAL Metal Analysis (MG/KG)	MALJ87			MAMA82	MAMA79
Aluminum	11900	NA	NA	7180	6150
Antimony	5.2	NA	NA	1.4 U	1.4 J
Arsenic	14.8	NA	NA	2.8 J	3.2
Barium	67.3	NA	NA	34.9	35.2
Beryllium	0.94	NA	NA	0.28 U	0.28 U
Cadmium	1.7	NA	NA	0.28 U	0.28 U
Calcium	1440 U	NA	NA	853	808
Chromium	52.6	NA	NA	10.5	9.1
Cobalt	4.1	NA	NA	3.7	3.4
Copper	83.6	NA	NA	23.5	25.9
Iron	31500	NA	NA	11800	11000
Lead	509	NA	NA	59.0	60.8
Magnesium	1320	NA	NA	1320	1250
Manganese	179	NA	NA	134	121
Mercury	3.0	NA	NA	0.14 U	0.13 U
Nickel	14.2	NA	NA	6.5	5.9
Potassium	644	NA	NA	358	300
Selenium	0.93 U	NA	NA	1.4 UJ	1.4 UJ
Silver	2.3	NA	NA	0.28 U	0.28 U
Sodium	168 U	NA	NA	209	203
Thallium	1.2 U	NA	NA	2.0 U	1.9 U
Vanadium	51.2	NA	NA	14.6	13.8
Zinc	504	NA	NA	60.1	92.5

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-053-01-MAX	RES-SS-10-053-02	RES-SS-10-053-03	RES-SS-DU-120299A
Sample Location	RES-10-053-01	RES-10-053-02	RES-10-053-03	RES-10-053-03
Interval	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
Date Sampled	12/2/99	12/2/99	12/2/99	12/2/99
QC Identifier	Field Dup. RES-SS-10-053-01	None	Field Dup. RES-SS-10-053-03	Field Dup. RES-SS-10-053-03
Semivolatile Organic Analysis (UG/KG)	APK62			
1,1'-Biphenyl	500 U	NA	NA	NA
2,2'-oxybis(1-Chloropropane)	500 U	NA	NA	NA
2,4,5-Trichlorophenol	1300 U	NA	NA	NA
2,4,6-Trichlorophenol	500 U	NA	NA	NA
2,4-Dichlorophenol	500 U	NA	NA	NA
2,4-Dimethylphenol	500 U	NA	NA	NA
2,4-Dinitrophenol	1300 U	NA	NA	NA
2,4-Dinitrotoluene	500 U	NA	NA	NA
2,6-Dinitrotoluene	500 U	NA	NA	NA
2-Chloronaphthalene	500 U	NA	NA	NA
2-Chlorophenol	500 U	NA	NA	NA
2-Methylnaphthalene	500 U	NA	NA	NA
2-Methylphenol	500 U	NA	NA	NA
2-Nitroaniline	1300 U	NA	NA	NA
2-Nitrophenol	500 U	NA	NA	NA
3,3'-Dichlorobenzidine	500 U	NA	NA	NA
3-Nitroaniline	1300 U	NA	NA	NA
4,6-Dinitro-2-methylphenol	1300 U	NA	NA	NA
4-Bromophenyl-phenylether	500 U	NA	NA	NA
4-Chloro-3-methylphenol	500 U	NA	NA	NA
4-Chloroaniline	500 U	NA	NA	NA
4-Chlorophenyl-phenylether	500 U	NA	NA	NA
4-Methylphenol	500 U	NA	NA	NA
4-Nitroaniline	1300 U	NA	NA	NA
4-Nitrophenol	1300 U	NA	NA	NA
Acenaphthene	500 U	NA	NA	NA
Acenaphthylene	500 U	NA	NA	NA
Acetophenone	500 U	NA	NA	NA
Anthracene	500 U	NA	NA	NA
Atrazine	500 U	NA	NA	NA
Benzaldehyde	500 U	NA	NA	NA
Benzo(a)anthracene	480 U	NA	NA	NA
Benzo(a)pyrene	480 U	NA	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-053-01-MAX		RES-SS-10-053-02	RES-SS-10-053-03	RES-SS-DU-120299A
Sample Location	RES-10-053-01		RES-10-053-02	RES-10-053-03	RES-10-053-03
Interval	0 0-1 0		0 0-1 0	0 0-1 0	0 0-1 0
Date Sampled	12/2/99		12/2/99	12/2/99	12/2/99
QC Identifier	Field Dup. RES-SS-10-053-01		None	Field Dup. RES-SS-10-053-03	Field Dup. RES-SS-10-053-03
Benzo(b)fluoranthene	500	U	NA	NA	NA
Benzo(g,h,i)perylene	500	U	NA	NA	NA
Benzo(k)fluoranthene	500	U	NA	NA	NA
Bis(2-Chloroethoxy)methane	500	U	NA	NA	NA
Bis(2-Chloroethyl)ether	500	U	NA	NA	NA
bis(2-Ethylhexyl)phthalate	170		NA	NA	NA
Butylbenzylphthalate	500	U	NA	NA	NA
Caprolactam	500	U	NA	NA	NA
Carbazole	500	U	NA	NA	NA
Chrysene	480	U	NA	NA	NA
Di-n-Butylphthalate	500	U	NA	NA	NA
Di-n-octylphthalate	500	U	NA	NA	NA
Dibenzo(a,h)anthracene	500	U	NA	NA	NA
Dibenzofuran	500	U	NA	NA	NA
Diethylphthalate	500	U	NA	NA	NA
Dimethylphthalate	500	U	NA	NA	NA
Fluoranthene	180		NA	NA	NA
Fluorene	500	U	NA	NA	NA
Hexachlorobenzene	500	U	NA	NA	NA
Hexachlorobutadiene	500	U	NA	NA	NA
Hexachlorocyclopentadiene	500	U	NA	NA	NA
Hexachloroethane	500	U	NA	NA	NA
Indeno(1,2,3-cd)pyrene	500	U	NA	NA	NA
Isophorone	500	U	NA	NA	NA
N-Nitroso-di-n-propylamine	500	U	NA	NA	NA
N-Nitroso-diphenylamine	500	U	NA	NA	NA
Naphthalene	500	U	NA	NA	NA
Nitrobenzene	500	U	NA	NA	NA
Pentachlorophenol	1300	U	NA	NA	NA
Phenanthrene	480	U	NA	NA	NA
Phenol	500	U	NA	NA	NA
Pyrene	260		NA	NA	NA
Total PAH	490	U	NA	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-053-01-MAX	RES-SS-10-053-02	RES-SS-10-053-03	RES-SS-DU-120299A
Sample Location	RES-10-053-01	RES-10-053-02	RES-10-053-03	RES-10-053-03
Interval	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
Date Sampled	12/2/99	12/2/99	12/2/99	12/2/99
QC Identifier	Field Dup. RES-SS-10-053-01	None	Field Dup. RES-SS-10-053-03	Field Dup. RES-SS-10-053-03
Pesticide/PCB Analysis (UG/KG)	APK62			
4,4'-DDD	5.1 U	NA	NA	NA
4,4'-DDE	5.1 U	NA	NA	NA
4,4'-DDT	5.1 U	NA	NA	NA
Aldrin	2.6 U	NA	NA	NA
alpha-BHC	2.6 U	NA	NA	NA
alpha-Chlordane	2.6 U	NA	NA	NA
Aroclor, Total	42	NA	NA	NA
Aroclor-1016	51 U	NA	NA	NA
Aroclor-1221	100 U	NA	NA	NA
Aroclor-1232	51 U	NA	NA	NA
Aroclor-1242	51 U	NA	NA	NA
Aroclor-1248	51 U	NA	NA	NA
Aroclor-1254	42	NA	NA	NA
Aroclor-1260	51 U	NA	NA	NA
beta-BHC	2.6 U	NA	NA	NA
delta-BHC	2.6 U	NA	NA	NA
Dieldrin	5.1 U	NA	NA	NA
Endosulfan I	2.6 U	NA	NA	NA
Endosulfan II	5.1 U	NA	NA	NA
Endosulfan Sulfate	5.1 U	NA	NA	NA
Endrin	5.1 U	NA	NA	NA
Endrin Aldehyde	5.1 U	NA	NA	NA
Endrin Ketone	5.1 U	NA	NA	NA
gamma-BHC	2.6 U	NA	NA	NA
gamma-Chlordane	2.6 U	NA	NA	NA
Heptachlor	2.6 U	NA	NA	NA
Heptachlor Epoxide	2.6 U	NA	NA	NA
Methoxychlor	26 U	NA	NA	NA
Toxaphene	260 U	NA	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-053-01-MAX		RES-SS-10-053-02		RES-SS-10-053-03		RES-SS-DU-120299A	
Sample Location	RES-10-053-01		RES-10-053-02		RES-10-053-03		RES-10-053-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	12/2/99		12/2/99		12/2/99		12/2/99	
QC Identifier	Field Dup. RES-SS-10-053-01		None		Field Dup. RES-SS-10-053-03		Field Dup. RES-SS-10-053-03	
Dioxin Analysis (NG/KG)	D01143		D01144		D01145		D01162	
1,2,3,4,6,7,8-HpCDD	69.0		23.7	J	18.8	J	91.5	J
1,2,3,4,6,7,8-HpCDF	43.1		10.3		8.1		8.6	J
1,2,3,4,7,8,9-HpCDF	2.6		2.6	U	1.0	U	0.69	UJ
1,2,3,4,7,8-HxCDD	2.4		1.7	U	0.60	U	0.50	UJ
1,2,3,4,7,8-HxCDF	8.1		2.9	EMPC	2.6	U	1.5	UJ
1,2,3,6,7,8-HxCDD	6.7		3.4	EMPC	1.7	J	1.5	UJ
1,2,3,6,7,8-HxCDF	3.8		1.4	U	0.50	U	0.64	UJ
1,2,3,7,8,9-HxCDD	6.6		1.7	U	0.60	U	1.2	UJ
1,2,3,7,8,9-HxCDF	0.90	U	1.6	U	0.60	U	0.30	UJ
1,2,3,7,8-PeCDD	2.2		1.4	U	0.50	U	0.30	UJ
1,2,3,7,8-PeCDF	3.4		1.1	U	0.40	U	0.60	UJ
1,2,4,5,7,8-hexachloro(9H)xanthene	2.52		0.00	U	0.00	U	0.00	U
2,3,4,6,7,8-HxCDF	5.0		1.4	U	0.60	U	0.86	UJ
2,3,4,7,8-PeCDF	5.3		1.1	U	0.40	U	0.59	EMPC
2,3,7,8-TCDD	32.7		6.0		1.8	U	1.3	J
2,3,7,8-TCDF	10.1		4.8	U	2.8	EMPC	1.4	UJ
OCDD	413		106	J	120	J	1140	J
OCDF	27.3		12.9		5.7	J	16.0	J
Total HpCDD	187		45.0	UJ	36.1	UJ	196	J
Total HpCDF	69.8		16.7	J	13.6	UJ	21.7	J
Total HxCDD	60.4	U	21.4	EMPC	12.0	UJ	12.1	UJ
Total HxCDF	42.4		7.9	EMPC	8.0	EMPC	9.2	UJ
Total PeCDD	50.9		13.8	UJ	8.8	EMPC	4.0	EMPC
Total PeCDF	44.6		4.9	UJ	3.4	EMPC	6.4	EMPC
Total TCDD	54.7		13.1	J	4.0	EMPC	3.5	EMPC
Total TCDF	53.5		12.3	EMPC	2.8	EMPC	9.0	EMPC
Toxicity Equivalency	43.2		8.6		2.3		3.3	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-053-01-MAX	RES-SS-10-053-02	RES-SS-10-053-03	RES-SS-DU-120299A
Sample Location	RES-10-053-01	RES-10-053-02	RES-10-053-03	RES-10-053-03
Interval	0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0
Date Sampled	12/2/99	12/2/99	12/2/99	12/2/99
QC Identifier	Field Dup RES-SS-10-053-01	None	Field Dup RES-SS-10-053-03	Field Dup RES-SS-10-053-03
TAL Metal Analysis (MG/KG)	MAMA82			
Aluminum	7180	NA	NA	NA
Antimony	1 4 U	NA	NA	NA
Arsenic	3.2	NA	NA	NA
Barium	35.2	NA	NA	NA
Beryllium	0 28 U	NA	NA	NA
Cadmium	0 28 U	NA	NA	NA
Calcium	853	NA	NA	NA
Chromium	10 5	NA	NA	NA
Cobalt	3 7	NA	NA	NA
Copper	25 9	NA	NA	NA
Iron	11800	NA	NA	NA
Lead	60 8	NA	NA	NA
Magnesium	1320	NA	NA	NA
Manganese	134	NA	NA	NA
Mercury	0 14 U	NA	NA	NA
Nickel	6 5	NA	NA	NA
Potassium	358	NA	NA	NA
Selenium	1 4 U	NA	NA	NA
Silver	0 28 U	NA	NA	NA
Sodium	209	NA	NA	NA
Thallium	2 0 U	NA	NA	NA
Vanadium	14 6	NA	NA	NA
Zinc	92 5	NA	NA	NA

Summary of Sediment/Soil Analytical Results
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Sample Number	RES-SS-10-053-03-MAX		RES-SS-10-068-01		RES-SS-10-068-02		RES-SS-10-068-03		RES-SS-10-074-01	
Sample Location	RES-10-053-03		RES-10-068-01		RES-10-068-02		RES-10-068-03		RES-10-074-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	12/2/99		11/19/99		11/19/99		11/19/99		11/19/99	
QC Identifier	Field Dup. RES-SS-10-053-03		None		None		None		Field Dup. RES-SS-10-074-01	
Semivolatile Organic Analysis (UG/KG)			AQC43						AQC45	
1,1'-Biphenyl		NA	2000	U		NA	NA		5000	U
2,2'-oxybis(1-Chloropropane)		NA	2000	U		NA	NA		5000	U
2,4,5-Trichlorophenol		NA	5000	U		NA	NA		12000	U
2,4,6-Trichlorophenol		NA	2000	U		NA	NA		5000	U
2,4-Dichlorophenol		NA	2000	U		NA	NA		5000	U
2,4-Dimethylphenol		NA	2000	U		NA	NA		5000	U
2,4-Dinitrophenol		NA	5000	U		NA	NA		12000	U
2,4-Dinitrotoluene		NA	2000	U		NA	NA		5000	U
2,6-Dinitrotoluene		NA	2000	U		NA	NA		5000	U
2-Chloronaphthalene		NA	2000	U		NA	NA		5000	U
2-Chlorophenol		NA	2000	U		NA	NA		5000	U
2-Methylnaphthalene		NA	2000	U		NA	NA		5000	U
2-Methylphenol		NA	2000	U		NA	NA		5000	U
2-Nitroaniline		NA	5000	U		NA	NA		12000	U
2-Nitrophenol		NA	2000	U		NA	NA		5000	U
3,3'-Dichlorobenzidine		NA	2000	U		NA	NA		5000	U
3-Nitroaniline		NA	5000	U		NA	NA		12000	U
4,6-Dinitro-2-methylphenol		NA	5000	U		NA	NA		12000	U
4-Bromophenyl-phenylether		NA	2000	U		NA	NA		5000	U
4-Chloro-3-methylphenol		NA	2000	U		NA	NA		5000	U
4-Chloroaniline		NA	2000	U		NA	NA		5000	U
4-Chlorophenyl-phenylether		NA	2000	U		NA	NA		5000	U
4-Methylphenol		NA	2000	U		NA	NA		5000	U
4-Nitroaniline		NA	5000	U		NA	NA		12000	U
4-Nitrophenol		NA	5000	U		NA	NA		12000	U
Acenaphthene		NA	2000	U		NA	NA		5000	U
Acenaphthylene		NA	2000	U		NA	NA		5000	U
Acetophenone		NA	2000	U		NA	NA		5000	U
Anthracene		NA	36	J		NA	NA		650	J
Atrazine		NA	2000	U		NA	NA		5000	U
Benzaldehyde		NA	2000	U		NA	NA		5000	U
Benzo(a)anthracene		NA	230	J		NA	NA		2100	J
Benzo(a)pyrene		NA	240	J		NA	NA		1800	J

Summary of Sediment/Soil Analytical Results
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Sample Number	RES-SS-10-053-03-MAX			RES-SS-10-068-01		RES-SS-10-068-02	RES-SS-10-068-03	RES-SS-10-074-01		
Sample Location	RES-10-053-03			RES-10-068-01		RES-10-068-02	RES-10-068-03	RES-10-074-01		
Interval	0 0-1 0			0 0-1 0		0 0-1 0	0 0-1 0	0 0-1 0		
Date Sampled	12/2/99			11/19/99		11/19/99	11/19/99	11/19/99		
QC Identifier	Field Dup. RES-SS-10-053-03			None		None	None	Field Dup. RES-SS-10-074-01		
Benzo(b)fluoranthene		NA	290	J		NA	NA	1400	J	
Benzo(g,h,i)perylene		NA	2000	UJ		NA	NA	1300	J	
Benzo(k)fluoranthene		NA	210	J		NA	NA	1000	J	
Bis(2-Chloroethoxy)methane		NA	2000	U		NA	NA	5000	U	
Bis(2-Chloroethyl)ether		NA	2000	U		NA	NA	5000	U	
bis(2-Ethylhexyl)phthalate		NA	580	J		NA	NA	5000	UJ	
Butylbenzylphthalate		NA	2000	UJ		NA	NA	5000	UJ	
Caprolactam		NA	2000	U		NA	NA	5000	U	
Carbazole		NA	2000	U		NA	NA	5000	U	
Chrysene		NA	340	J		NA	NA	2400	J	
Di-n-Butylphthalate		NA	2000	U		NA	NA	5000	U	
Di-n-octylphthalate		NA	2000	UJ		NA	NA	5000	UJ	
Dibenzo(a,h)anthracene		NA	2000	U		NA	NA	5000	U	
Dibenzofuran		NA	2000	U		NA	NA	5000	U	
Diethylphthalate		NA	2000	U		NA	NA	5000	U	
Dimethylphthalate		NA	2000	U		NA	NA	5000	U	
Fluoranthene		NA	490	J		NA	NA	4600	J	
Fluorene		NA	2000	U		NA	NA	520	J	
Hexachlorobenzene		NA	2000	U		NA	NA	5000	U	
Hexachlorobutadiene		NA	2000	U		NA	NA	5000	U	
Hexachlorocyclopentadiene		NA	2000	UJ		NA	NA	5000	UJ	
Hexachloroethane		NA	2000	U		NA	NA	5000	U	
Indeno(1,2,3-cd)pyrene		NA	200	J		NA	NA	1200	J	
Isophorone		NA	2000	U		NA	NA	5000	U	
N-Nitroso-di-n-propylamine		NA	2000	U		NA	NA	5000	U	
N-Nitroso-diphenylamine		NA	2000	U		NA	NA	5000	U	
Naphthalene		NA	2000	U		NA	NA	5000	U	
Nitrobenzene		NA	2000	U		NA	NA	5000	U	
Pentachlorophenol		NA	5000	UJ		NA	NA	12000	UJ	
Phenanthrene		NA	280	J		NA	NA	4000	J	
Phenol		NA	2000	U		NA	NA	5000	U	
Pyrene		NA	480	J		NA	NA	4100	J	
Total PAH		NA	310			NA	NA	2300		

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-053-03-MAX		RES-SS-10-068-01		RES-SS-10-068-02	RES-SS-10-068-03		RES-SS-10-074-01	
Sample Location	RES-10-053-03		RES-10-068-01		RES-10-068-02	RES-10-068-03		RES-10-074-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0	0 0-1 0		0 0-1 0	
Date Sampled	12/2/99		11/19/99		11/19/99	11/19/99		11/19/99	
QC Identifier	Field Dup RES-SS-10-053-03		None		None	None		Field Dup RES-SS-10-074-01	
Pesticide/PCB Analysis (UG/KG)			AQC43					AQC45	
4,4'-DDD	NA		4 0	U	NA	NA		5.0	U
4,4'-DDE	NA		6.4		NA	NA		5 0	U
4,4'-DDT	NA		9.2		NA	NA		7 2	
Aldrin	NA		2 0	U	NA	NA		2 6	U
alpha-BHC	NA		2.0	U	NA	NA		2 6	U
alpha-Chlordane	NA		1.6	J	NA	NA		7 3	
Aroclor, Total	NA		81	U	NA	NA		100	U
Aroclor-1016	NA		40	U	NA	NA		50	U
Aroclor-1221	NA		81	U	NA	NA		100	U
Aroclor-1232	NA		40	U	NA	NA		50	U
Aroclor-1242	NA		40	U	NA	NA		50	U
Aroclor-1248	NA		40	U	NA	NA		50	U
Aroclor-1254	NA		40	U	NA	NA		50	U
Aroclor-1260	NA		40	U	NA	NA		50	U
beta-BHC	NA		2 0	U	NA	NA		2 6	U
delta-BHC	NA		2.0	U	NA	NA		2 6	U
Dieldrin	NA		4 0	U	NA	NA		5 0	U
Endosulfan I	NA		2.0	U	NA	NA		2 6	U
Endosulfan II	NA		4 0	U	NA	NA		5 0	U
Endosulfan Sulfate	NA		4 0	U	NA	NA		5 0	U
Endrin	NA		4 0	U	NA	NA		5 0	U
Endrin Aldehyde	NA		4.0	U	NA	NA		5.0	U
Endrin Ketone	NA		4 0	U	NA	NA		5 0	U
gamma-BHC	NA		2.0	U	NA	NA		2 6	U
gamma-Chlordane	NA		2 0	U	NA	NA		2 6	
Heptachlor	NA		2.0	U	NA	NA		2 6	U
Heptachlor Epoxide	NA		2 0	U	NA	NA		2 6	U
Methoxychlor	NA		20	U	NA	NA		26	U
Toxaphene	NA		200	U	NA	NA		260	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-053-03-MAX		RES-SS-10-068-01		RES-SS-10-068-02		RES-SS-10-068-03		RES-SS-10-074-01	
Sample Location	RES-10-053-03		RES-10-068-01		RES-10-068-02		RES-10-068-03		RES-10-074-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	12/2/99		11/19/99		11/19/99		11/19/99		11/19/99	
QC Identifier	Field Dup. RES-SS-10-053-03		None		None		None		Field Dup RES-SS-10-074-01	
Dioxin Analysis (NG/KG)	D01145		D01453		D01454		D01455		D01456	
1,2,3,4,6,7,8-HpCDD	91 5		31.3		20 3		33 7		231	
1,2,3,4,6,7,8-HpCDF	8.1		19.4		11 3		26 8		40 2	
1,2,3,4,7,8,9-HpCDF	1 0	U	1.9	J	0 94	EMPC	2 0	J	3 0	J
1,2,3,4,7,8-HxCDD	0 60	U	1 2	U	0.60	U	1 4	J	3 3	J
1,2,3,4,7,8-HxCDF	2.6	U	8 6		4 5	J	10 8		6 9	
1,2,3,6,7,8-HxCDD	1 7		1 7	EMPC	1 4	J	2 9	J	9 1	J
1,2,3,6,7,8-HxCDF	0.50	U	4 2	J	2 0	J	4 0	J	4 4	J
1,2,3,7,8,9-HxCDD	0 60	U	3 7	J	2 3	J	3 6	J	9 3	J
1,2,3,7,8,9-HxCDF	0 60	U	0.80	U	0.40	U	0 40	U	0 50	U
1,2,3,7,8-PeCDD	0 50	U	0.93	J	0 60	U	1 3	J	1 9	J
1,2,3,7,8-PeCDF	0.40	U	5 6	EMPC	2 0	EMPC	7 1	EMPC	4 6	J
1,2,4,5,7,8-hexachloro(9H)xanthene		NA	2 98	J	0 00	U	0 00	U	0 00	U
2,3,4,6,7,8-HxCDF	0 60	U	3 9	J	2 3	J	4 9	J	6 5	
2,3,4,7,8-PeCDF	0 40	U	5 4		2 8	J	5 3		3 3	J
2,3,7,8-TCDD	1 8	U	18 5		5 0		10 6		5 2	J
2,3,7,8-TCDF	2 8		14 3		8 2		16 4		9 5	
OCDD	1140		201	EB	131	JEB	174	JEB	2180	JEB
OCDF	16 0		22 0		12 4	J	40 4	J	57 9	J
Total HpCDD	196		71 0	J	46 7	J	73 2	J	431	J
Total HpCDF	21 7		30 2	J	20 3	J	48 7	J	93 6	J
Total HxCDD	12 1	U	33 1	J	20 7	J	41 9	J	62 9	J
Total HxCDF	8 0		46 7	J	18 8	J	48 0	J	75 4	J
Total PeCDD	8 8		15 0	J	13 8	J	36 5	J	8 6	J
Total PeCDF	6 4		59 0	J	22 8	J	61 6	J	50 3	J
Total TCDD	4 0		42 2	J	18 8	J	39 0	J	12 1	J
Total TCDF	9 0		53 6	J	52 5	J	104	J	59 8	J
Toxicity Equivalency	3 3		26 7		9 3		20 0		16 9	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-053-03-MAX		RES-SS-10-068-01		RES-SS-10-068-02	RES-SS-10-068-03	RES-SS-10-074-01	
Sample Location	RES-10-053-03		RES-10-068-01		RES-10-068-02	RES-10-068-03	RES-10-074-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0	0.0-1.0	0.0-1.0	
Date Sampled	12/2/99		11/19/99		11/19/99	11/19/99	11/19/99	
QC Identifier	Field Dup. RES-SS-10-053-03		None		None	None	Field Dup. RES-SS-10-074-01	
TAL Metal Analysis (MG/KG)			MALJ92				MAMA72	
Aluminum	NA		7780		NA	NA	6010	
Antimony	NA		0.52	UJ	NA	NA	2.5	J
Arsenic	NA		7.1		NA	NA	8.9	
Barium	NA		23.7		NA	NA	142	
Beryllium	NA		0.42		NA	NA	0.48	
Cadmium	NA		0.07	U	NA	NA	2.2	J
Calcium	NA		642	U	NA	NA	2400	
Chromium	NA		10.6		NA	NA	23.1	
Cobalt	NA		2.2		NA	NA	4.6	J
Copper	NA		18.1		NA	NA	142	
Iron	NA		11300		NA	NA	36400	
Lead	NA		175		NA	NA	952	
Magnesium	NA		1130	J	NA	NA	1080	J
Manganese	NA		66.5		NA	NA	311	
Mercury	NA		0.16	J	NA	NA	0.33	J
Nickel	NA		6.6		NA	NA	22.0	J
Potassium	NA		460		NA	NA	612	
Selenium	NA		0.63	J	NA	NA	0.54	U
Silver	NA		0.50	U	NA	NA	1.6	
Sodium	NA		38.4	U	NA	NA	46.4	U
Thallium	NA		0.52	U	NA	NA	0.63	U
Vanadium	NA		34.3		NA	NA	16.0	J
Zinc	NA		59.7		NA	NA	1040	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111999B		RES-SS-10-074-01-MAX		RES-SS-10-074-02		RES-SS-10-074-03		RES-SS-10-075-01	
Sample Location	RES-10-074-01		RES-10-074-01		RES-10-074-02		RES-10-074-03		RES-10-075-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/19/99		11/19/99		11/19/99		11/19/99		11/19/99	
QC Identifier	Field Dup RES-SS-10-074-01		Field Dup RES-SS-10-074-01		None		None		Field Dup RES-SS-10-075-01	
Semivolatile Organic Analysis (UG/KG)				AQC45						AQC47
1,1'-Biphenyl	NA		NA	5000	U		NA		NA	9200 U
2,2'-oxybis(1-Chloropropane)	NA		NA	5000	U		NA		NA	9200 U
2,4,5-Trichlorophenol	NA		NA	12000	U		NA		NA	23000 U
2,4,6-Trichlorophenol	NA		NA	5000	U		NA		NA	9200 U
2,4-Dichlorophenol	NA		NA	5000	U		NA		NA	9200 U
2,4-Dimethylphenol	NA		NA	5000	U		NA		NA	9200 U
2,4-Dinitrophenol	NA		NA	12000	U		NA		NA	23000 U
2,4-Dinitrotoluene	NA		NA	5000	U		NA		NA	9200 U
2,6-Dinitrotoluene	NA		NA	5000	U		NA		NA	9200 U
2-Chloronaphthalene	NA		NA	5000	U		NA		NA	9200 U
2-Chlorophenol	NA		NA	5000	U		NA		NA	9200 U
2-Methylnaphthalene	NA		NA	5000	U		NA		NA	1100 J
2-Methylphenol	NA		NA	5000	U		NA		NA	9200 U
2-Nitroaniline	NA		NA	12000	U		NA		NA	23000 U
2-Nitrophenol	NA		NA	5000	U		NA		NA	9200 U
3,3'-Dichlorobenzidine	NA		NA	5000	U		NA		NA	9200 U
3-Nitroaniline	NA		NA	12000	U		NA		NA	23000 U
4,6-Dinitro-2-methylphenol	NA		NA	12000	U		NA		NA	23000 U
4-Bromophenyl-phenylether	NA		NA	5000	U		NA		NA	9200 U
4-Chloro-3-methylphenol	NA		NA	5000	U		NA		NA	9200 U
4-Chloroaniline	NA		NA	5000	U		NA		NA	9200 U
4-Chlorophenyl-phenylether	NA		NA	5000	U		NA		NA	9200 U
4-Methylphenol	NA		NA	5000	U		NA		NA	9200 U
4-Nitroaniline	NA		NA	12000	U		NA		NA	23000 U
4-Nitrophenol	NA		NA	12000	U		NA		NA	23000 U
Acenaphthene	NA		NA	5000	U		NA		NA	9200 U
Acenaphthylene	NA		NA	5000	U		NA		NA	3100 J
Acetophenone	NA		NA	5000	U		NA		NA	9200 U
Anthracene	NA		NA	650			NA		NA	2600 J
Atrazine	NA		NA	5000	U		NA		NA	9200 U
Benzaldehyde	NA		NA	5000	U		NA		NA	9200 U
Benzo(a)anthracene	NA		NA	2100			NA		NA	17000
Benzo(a)pyrene	NA		NA	1800			NA		NA	20000

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111999B		RES-SS-10-074-01-MAX		RES-SS-10-074-02	RES-SS-10-074-03	RES-SS-10-075-01	
Sample Location	RES-10-074-01		RES-10-074-01		RES-10-074-02	RES-10-074-03	RES-10-075-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0	0.0-1.0	0.0-1.0	
Date Sampled	11/19/99		11/19/99		11/19/99	11/19/99	11/19/99	
QC Identifier	Field Dup. RES-SS-10-074-01		Field Dup. RES-SS-10-074-01		None	None	Field Dup. RES-SS-10-075-01	
Benzo(b)fluoranthene	NA		1400		NA	NA	20000	
Benzo(g,h,i)perylene	NA		1300		NA	NA	15000	J
Benzo(k)fluoranthene	NA		1800		NA	NA	23000	
Bis(2-Chloroethoxy)methane	NA		5000	U	NA	NA	9200	U
Bis(2-Chloroethyl)ether	NA		5000	U	NA	NA	9200	U
bis(2-Ethylhexyl)phthalate	NA		5000	U	NA	NA	9200	UJ
Butylbenzylphthalate	NA		5000	U	NA	NA	9200	UJ
Caprolactam	NA		5000	U	NA	NA	9200	U
Carbazole	NA		5000	U	NA	NA	6100	J
Chrysene	NA		2400		NA	NA	29000	
Di-n-Butylphthalate	NA		5000	U	NA	NA	9200	U
Di-n-octylphthalate	NA		5000	U	NA	NA	9200	UJ
Dibenzo(a,h)anthracene	NA		5000	U	NA	NA	4500	J
Dibenzofuran	NA		5000	U	NA	NA	5200	J
Diethylphthalate	NA		5000	U	NA	NA	9200	U
Dimethylphthalate	NA		5000	U	NA	NA	9200	U
Fluoranthene	NA		4600		NA	NA	68000	
Fluorene	NA		520		NA	NA	5300	J
Hexachlorobenzene	NA		5000	U	NA	NA	9200	U
Hexachlorobutadiene	NA		5000	U	NA	NA	9200	U
Hexachlorocyclopentadiene	NA		5000	U	NA	NA	9200	UJ
Hexachloroethane	NA		5000	U	NA	NA	9200	U
Indeno(1,2,3-cd)pyrene	NA		1200		NA	NA	15000	
Isophorone	NA		5000	U	NA	NA	9200	U
N-Nitroso-di-n-propylamine	NA		5000	U	NA	NA	9200	U
N-Nitroso-diphenylamine	NA		5000	U	NA	NA	9200	U
Naphthalene	NA		5000	U	NA	NA	2300	J
Nitrobenzene	NA		5000	U	NA	NA	9200	U
Pentachlorophenol	NA		12000	U	NA	NA	23000	UJ
Phenanthrene	NA		4000		NA	NA	63000	
Phenol	NA		5000	U	NA	NA	9200	U
Pyrene	NA		4100		NA	NA	57000	J
Total PAH	NA		2300		NA	NA	80000	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111999B	RES-SS-10-074-01-MAX		RES-SS-10-074-02		RES-SS-10-074-03		RES-SS-10-075-01	
Sample Location	RES-10-074-01	RES-10-074-01		RES-10-074-02		RES-10-074-03		RES-10-075-01	
Interval	0.0-1.0	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/19/99	11/19/99		11/19/99		11/19/99		11/19/99	
QC Identifier	Field Dup. RES-SS-10-074-01	Field Dup. RES-SS-10-074-01		None		None		Field Dup. RES-SS-10-075-01	
Pesticide/PCB Analysis (UG/KG)		AQC45						AQC47	
4,4'-DDD	NA	5.0	U	NA		NA		4.6	U
4,4'-DDE	NA	5.0	U	NA		NA		4.6	U
4,4'-DDT	NA	7.2		NA		NA		4.6	U
Aldrin	NA	2.6	U	NA		NA		2.4	U
alpha-BHC	NA	2.6	U	NA		NA		2.4	U
alpha-Chlordane	NA	7.3		NA		NA		2.4	U
Aroclor, Total	NA	100	U	NA		NA		94	U
Aroclor-1016	NA	50	U	NA		NA		46	U
Aroclor-1221	NA	100	U	NA		NA		94	U
Aroclor-1232	NA	50	U	NA		NA		46	U
Aroclor-1242	NA	50	U	NA		NA		46	U
Aroclor-1248	NA	50	U	NA		NA		46	U
Aroclor-1254	NA	50	U	NA		NA		46	U
Aroclor-1260	NA	50	U	NA		NA		46	U
beta-BHC	NA	2.6	U	NA		NA		2.4	U
delta-BHC	NA	2.6	U	NA		NA		2.4	U
Dieldrin	NA	5.0	U	NA		NA		4.6	U
Endosulfan I	NA	2.6	U	NA		NA		2.4	U
Endosulfan II	NA	5.0	U	NA		NA		4.6	U
Endosulfan Sulfate	NA	5.0	U	NA		NA		16	
Endrin	NA	5.0	U	NA		NA		4.6	U
Endrin Aldehyde	NA	5.0	U	NA		NA		4.6	U
Endrin Ketone	NA	5.0	U	NA		NA		62	
gamma-BHC	NA	2.6	U	NA		NA		2.4	U
gamma-Chlordane	NA	2.6		NA		NA		2.4	
Heptachlor	NA	2.6	U	NA		NA		2.4	U
Heptachlor Epoxide	NA	2.6	U	NA		NA		2.4	U
Methoxychlor	NA	26	U	NA		NA		24	U
Toxaphene	NA	260	U	NA		NA		240	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111999B		RES-SS-10-074-01-MAX		RES-SS-10-074-02		RES-SS-10-074-03		RES-SS-10-075-01	
Sample Location	RES-10-074-01		RES-10-074-01		RES-10-074-02		RES-10-074-03		RES-10-075-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/19/99		11/19/99		11/19/99		11/19/99		11/19/99	
QC Identifier	Field Dup RES-SS-10-074-01		Field Dup RES-SS-10-074-01		None		None		Field Dup RES-SS-10-075-01	
Dioxin Analysis (NG/KG)	D01446		D01446		D01457		D01458		D01464	
1,2,3,4,6,7,8-HpCDD	377		377		153		79 5		10 8	U
1,2,3,4,6,7,8-HpCDF	64 5		64 5		53 8		25 0		11 2	
1,2,3,4,7,8,9-HpCDF	5 2	J	5 2		4 6	J	2 1	U	3 1	U
1,2,3,4,7,8-HxCDD	6 0	J	6 0		4 2	J	2 9	J	2 2	U
1,2,3,4,7,8-HxCDF	10 0		10 0		25 8		9 9		3 5	U
1,2,3,6,7,8-HxCDD	17 6	J	17 6		10 9		4 5	EMPC	2 1	U
1,2,3,6,7,8-HxCDF	6 8	J	6 8		11 2	J	5 5	J	2 4	J
1,2,3,7,8,9-HxCDD	17 4	J	17 4		11 9		5 8	EMPC	2 2	U
1,2,3,7,8,9-HxCDF	0 90	U	0 90	U	0 97	EMPC	0 80	U	1 2	U
1,2,3,7,8-PeCDD	3 1	J	3 1		4 5	J	1 7	EMPC	1 4	U
1,2,3,7,8-PeCDF	0 80	U	0 80	U	24 9	EMPC	9 1	EMPC	0 80	U
1,2,4,5,7,8-hexachloro(9H)xanthene	5 37	J		NA	18 2	J	0 00	U	0 00	U
2,3,4,6,7,8-HxCDF	10 2		10 2		15 1		8 5		2 8	J
2,3,4,7,8-PeCDF	5 0		5 0		15 5		5 6		2 0	U
2,3,7,8-TCDD	14 7	J	14 7		59 1		5 4		11 7	
2,3,7,8-TCDF	11 9		11 9		65 7		23 6		5 5	U
OCDD	2780	EB	2780		788	JEB	479	JEB	49 1	J
OCDF	91 8		91 8		45 9	J	23 5	J	9 3	UJ
Total HpCDD	698	J	698		290	J	164	J	20 4	UJ
Total HpCDF	148	J	148		94 1	J	46 4	J	18 2	J
Total HxCDD	125	J	125		127	J	48 7	J	9 1	EMPC
Total HxCDF	123	J	123		163	J	104	J	37 7	J
Total PeCDD	18 3	J	18 3		145	J	42 7	J	4 3	UJ
Total PeCDF	78 1	J	78 1		221	J	116	J	39 3	J
Total TCDD	27 6	J	27 6		183	J	46 2	J	16 9	UJ
Total TCDF	60 0	J	60 0		379	J	156	J	30 8	J
Toxicity Equivalency	33 1		33 1		89 4		17 6		14 5	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111999B		RES-SS-10-074-01-MAX		RES-SS-10-074-02	RES-SS-10-074-03	RES-SS-10-075-01	
Sample Location	RES-10-074-01		RES-10-074-01		RES-10-074-02	RES-10-074-03	RES-10-075-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0	0 0-1 0	0 0-1 0	
Date Sampled	11/19/99		11/19/99		11/19/99	11/19/99	11/19/99	
QC Identifier	Field Dup RES-SS-10-074-01		Field Dup RES-SS-10-074-01		None	None	Field Dup RES-SS-10-075-01	
TAL Metal Analysis (MG/KG)			MAMA72				MAMA74	
Aluminum		NA	6010		NA	NA	5970	
Antimony		NA	2 5		NA	NA	[illegible]	[illegible]
Arsenic		NA	8 9		NA	NA	12 8	
Barium		NA	142		NA	NA	874	
Beryllium		NA	0 48		NA	NA	0 39	
Cadmium		NA	2 2		NA	NA	3 0	J
Calcium		NA	2400		NA	NA	26000	
Chromium		NA	23 1		NA	NA	41 0	
Cobalt		NA	4 6		NA	NA	10 9	J
Copper		NA	142		NA	NA	175	
Iron		NA	36400		NA	NA	42100	
Lead		NA	952		NA	NA	1220	
Magnesium		NA	1080		NA	NA	2560	J
Manganese		NA	311		NA	NA	836	
Mercury		NA	0 33		NA	NA	0 77	J
Nickel		NA	22 0		NA	NA	34 6	J
Potassium		NA	612		NA	NA	681	
Selenium		NA	0 54	U	NA	NA	0 50	U
Silver		NA	1 6		NA	NA	2 0	J
Sodium		NA	46 4	U	NA	NA	348	UJ
Thallium		NA	0 63	U	NA	NA	0 59	U
Vanadium		NA	16 0		NA	NA	21 0	J
Zinc		NA	1040		NA	NA	1730	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111999C		RES-SS-10-075-01-MAX		RES-SS-10-075-02	RES-SS-10-075-03	RES-SS-10-076-01	
Sample Location	RES-10-075-01		RES-10-075-01		RES-10-075-02	RES-10-075-03	RES-10-076-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0	0.0-1.0	0.0-1.0	
Date Sampled	11/19/99		11/19/99		11/19/99	11/19/99	11/19/99	
QC Identifier	Field Dup. RES-SS-10-075-01		Field Dup. RES-SS-10-075-01		None	None	None	
Semivolatile Organic Analysis (UG/KG)			AQC47				AQC46	
1,1'-Biphenyl	NA		9200	U	NA	NA	9700	U
2,2'-oxybis(1-Chloropropane)	NA		9200	U	NA	NA	9700	U
2,4,5-Trichlorophenol	NA		23000	U	NA	NA	24000	U
2,4,6-Trichlorophenol	NA		9200	U	NA	NA	9700	U
2,4-Dichlorophenol	NA		9200	U	NA	NA	9700	U
2,4-Dimethylphenol	NA		9200	U	NA	NA	9700	U
2,4-Dinitrophenol	NA		23000	U	NA	NA	24000	U
2,4-Dinitrotoluene	NA		9200	U	NA	NA	9700	U
2,6-Dinitrotoluene	NA		9200	U	NA	NA	9700	U
2-Chloronaphthalene	NA		9200	U	NA	NA	9700	U
2-Chlorophenol	NA		9200	U	NA	NA	9700	U
2-Methylnaphthalene	NA		1100		NA	NA	9700	U
2-Methylphenol	NA		9200	U	NA	NA	9700	U
2-Nitroaniline	NA		23000	U	NA	NA	24000	U
2-Nitrophenol	NA		9200	U	NA	NA	9700	U
3,3'-Dichlorobenzidine	NA		9200	U	NA	NA	9700	U
3-Nitroaniline	NA		23000	U	NA	NA	24000	U
4,6-Dinitro-2-methylphenol	NA		23000	U	NA	NA	24000	U
4-Bromophenyl-phenylether	NA		9200	U	NA	NA	9700	U
4-Chloro-3-methylphenol	NA		9200	U	NA	NA	9700	U
4-Chloroaniline	NA		9200	U	NA	NA	9700	U
4-Chlorophenyl-phenylether	NA		9200	U	NA	NA	9700	U
4-Methylphenol	NA		9200	U	NA	NA	9700	U
4-Nitroaniline	NA		23000	U	NA	NA	24000	U
4-Nitrophenol	NA		23000	U	NA	NA	24000	U
Acenaphthene	NA		9200	U	NA	NA	9700	U
Acenaphthylene	NA		3100		NA	NA	9700	U
Acetophenone	NA		9200	U	NA	NA	9700	U
Anthracene	NA		2600		NA	NA	1600	J
Atrazine	NA		9200	U	NA	NA	9700	U
Benzaldehyde	NA		9200	U	NA	NA	9700	U
Benzo(a)anthracene	NA		17000		NA	NA	7400	J
Benzo(a)pyrene	NA		20000		NA	NA	8600	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111999C		RES-SS-10-075-01-MAX		RES-SS-10-075-02	RES-SS-10-075-03	RES-SS-10-076-01	
Sample Location	RES-10-075-01		RES-10-075-01		RES-10-075-02	RES-10-075-03	RES-10-076-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0	0 0-1 0	0 0-1 0	
Date Sampled	11/19/99		11/19/99		11/19/99	11/19/99	11/19/99	
QC Identifier	Field Dup RES-SS-10-075-01		Field Dup RES-SS-10-075-01		None	None	None	
Benzo(b)fluoranthene	NA		20000		NA	NA	9000	J
Benzo(g,h,i)perylene	NA		15000		NA	NA	7200	J
Benzo(k)fluoranthene	NA		23000		NA	NA	9600	J
Bis(2-Chloroethoxy)methane	NA		9200	U	NA	NA	9700	U
Bis(2-Chloroethyl)ether	NA		9200	U	NA	NA	9700	U
bis(2-Ethylhexyl)phthalate	NA		9200	U	NA	NA	9700	UJ
Butylbenzylphthalate	NA		9200	U	NA	NA	9700	UJ
Caprolactam	NA		9200	U	NA	NA	9700	U
Carbazole	NA		6100		NA	NA	1900	J
Chrysene	NA		29000		NA	NA	10000	
Di-n-Butylphthalate	NA		9200	U	NA	NA	9700	U
Di-n-octylphthalate	NA		9200	U	NA	NA	9700	UJ
Dibenzo(a,h)anthracene	NA		4500		NA	NA	2700	J
Dibenzofuran	NA		5200		NA	NA	1500	J
Diethylphthalate	NA		9200	U	NA	NA	9700	U
Dimethylphthalate	NA		9200	U	NA	NA	9700	U
Fluoranthene	NA		68000		NA	NA	19000	
Fluorene	NA		5300		NA	NA	1700	J
Hexachlorobenzene	NA		9200	U	NA	NA	9700	U
Hexachlorobutadiene	NA		9200	U	NA	NA	9700	U
Hexachlorocyclopentadiene	NA		9200	U	NA	NA	9700	UJ
Hexachloroethane	NA		9200	U	NA	NA	9700	U
Indeno(1,2,3-cd)pyrene	NA		15000		NA	NA	7700	J
Isophorone	NA		9200	U	NA	NA	9700	U
N-Nitroso-di-n-propylamine	NA		9200	U	NA	NA	9700	U
N-Nitroso-diphenylamine	NA		9200	U	NA	NA	9700	U
Naphthalene	NA		2300		NA	NA	9700	U
Nitrobenzene	NA		9200	U	NA	NA	9700	U
Pentachlorophenol	NA		23000	U	NA	NA	24000	UJ
Phenanthrene	NA		63000		NA	NA	17000	
Phenol	NA		9200	U	NA	NA	9700	U
Pyrene	NA		57000		NA	NA	18000	J
Total PAH	NA		30000		NA	NA	14000	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111999C		RES-SS-10-075-01-MAX		RES-SS-10-075-02	RES-SS-10-075-03	RES-SS-10-076-01	
Sample Location	RES-10-075-01		RES-10-075-01		RES-10-075-02	RES-10-075-03	RES-10-076-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0	0 0-1 0	0 0-1 0	
Date Sampled	11/19/99		11/19/99		11/19/99	11/19/99	11/19/99	
QC Identifier	Field Dup. RES-SS-10-075-01		Field Dup. RES-SS-10-075-01		None	None	None	
Pesticide/PCB Analysis (UG/KG)			AQC47				AQC46	
4,4'-DDD	NA		4.6	U	NA	NA	5 9	
4,4'-DDE	NA		4.6	U	NA	NA	4 8	U
4,4'-DDT	NA		4.6	U	NA	NA	14	
Aldrin	NA		2.4	U	NA	NA	2 5	U
alpha-BHC	NA		2.4	U	NA	NA	2 5	U
alpha-Chlordane	NA		2.4	U	NA	NA	6 0	
Aroclor, Total	NA		94	U	NA	NA	98	U
Aroclor-1016	NA		46	U	NA	NA	48	U
Aroclor-1221	NA		94	U	NA	NA	98	U
Aroclor-1232	NA		46	U	NA	NA	48	U
Aroclor-1242	NA		46	U	NA	NA	48	U
Aroclor-1248	NA		46	U	NA	NA	48	U
Aroclor-1254	NA		46	U	NA	NA	48	U
Aroclor-1260	NA		46	U	NA	NA	48	U
beta-BHC	NA		2.4	U	NA	NA	2 5	U
delta-BHC	NA		2.4	U	NA	NA	2 5	U
Dieldrin	NA		4.6	U	NA	NA	4 8	U
Endosulfan I	NA		2.4	U	NA	NA	2 5	U
Endosulfan II	NA		4.6	U	NA	NA	4 8	U
Endosulfan Sulfate	NA		16		NA	NA	4 8	U
Endrin	NA		4.6	U	NA	NA	4 8	U
Endrin Aldehyde	NA		4.6	U	NA	NA	4 8	U
Endrin Ketone	NA		62		NA	NA	23	
gamma-BHC	NA		2.4	U	NA	NA	2 5	U
gamma-Chlordane	NA		2.4		NA	NA	3 9	
Heptachlor	NA		2.4	U	NA	NA	2 5	U
Heptachlor Epoxide	NA		2.4	U	NA	NA	2 5	U
Methoxychlor	NA		24	U	NA	NA	25	U
Toxaphene	NA		240	U	NA	NA	250	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111999C		RES-SS-10-075-01-MAX		RES-SS-10-075-02		RES-SS-10-075-03		RES-SS-10-076-01	
Sample Location	RES-10-075-01		RES-10-075-01		RES-10-075-02		RES-10-075-03		RES-10-076-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/19/99		11/19/99		11/19/99		11/19/99		11/19/99	
QC Identifier	Field Dup. RES-SS-10-075-01		Field Dup. RES-SS-10-075-01		None		None		None	
Dioxin Analysis (NG/KG)	D01461		D01464		D01465		D01466		D01459	
1,2,3,4,6,7,8-HpCDD	6.8	EMPC	10.8	U	6.1	U	11.9	U	94.2	
1,2,3,4,6,7,8-HpCDF	10.6		11.2		5.4	U	6.4		24.1	
1,2,3,4,7,8,9-HpCDF	3.9	U	3.9	U	1.0	U	1.7	U	4.4	U
1,2,3,4,7,8-HxCDD	1.8	U	2.2	U	0.90	U	1.3	U	1.4	EMPC
1,2,3,4,7,8-HxCDF	1.1	U	3.5	U	2.6	U	2.7	EMPC	8.5	
1,2,3,6,7,8-HxCDD	1.7	U	2.1	U	0.80	U	1.2	U	4.7	J
1,2,3,6,7,8-HxCDF		R	2.4		1.5	UJ	1.6	UJ	3.5	J
1,2,3,7,8,9-HxCDD	2.1	U	2.2	U	0.80	U	1.3	U	5.3	
1,2,3,7,8,9-HxCDF	1.5	U	1.5	U	0.00	U	0.70	U	1.7	U
1,2,3,7,8-PeCDD	1.0	U	1.4	U	0.90	U	1.3	U	1.9	J
1,2,3,7,8-PeCDF	4.6	J	0.80	U	0.50	U	1.7	EMPC	6.7	
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U		NA	0.00	U	0.00	U	39.15	J
2,3,4,6,7,8-HxCDF	1.2	U	1.2	U	3.0	J	1.9	J	4.1	EMPC
2,3,4,7,8-PeCDF	1.1	U	2.0	U	2.3	J	2.5	EMPC	4.3	J
2,3,7,8-TCDD	8.5		11.7		1.2		2.7		106	J
2,3,7,8-TCDF	7.2		7.2		5.0	U	6.6	U	16.1	
OCDD	45.0	JEB	49.1		41.4		74.8		550	JEB
OCDF	9.8	UJ	9.8	U	5.7	J	7.0	J	28.7	J
Total HpCDD	10.5	J	10.5		12.8	UJ	24.7	UJ	189	J
Total HpCDF	16.3	J	18.2		9.2	UJ	10.0	UJ	48.2	J
Total HxCDD	1.9	UJ	9.1		7.8	EMPC	12.2	UJ	55.6	J
Total HxCDF	22.4	J	37.7		31.8	J	20.0	EMPC	49.9	J
Total PeCDD	3.9	EMPC	3.9		7.4	EMPC	10.4	EMPC	14.9	J
Total PeCDF	44.2	J	44.2		42.6	J	0.00	UJ	73.2	J
Total TCDD	8.5	J	8.5		4.9	UJ	9.5	EMPC	131	J
Total TCDF	16.8	J	30.8		23.8	J	25.5	J	102	J
Toxicity Equivalency	10.9		14.5		3.8		5.9		116	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111999C		RES-SS-10-075-01-MAX		RES-SS-10-075-02	RES-SS-10-075-03	RES-SS-10-076-01	
Sample Location	RES-10-075-01		RES-10-075-01		RES-10-075-02	RES-10-075-03	RES 10-076-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0	0 0-1 0	0 0-1 0	
Date Sampled	11/19/99		11/19/99		11/19/99	11/19/99	11/19/99	
QC Identifier	Field Dup. RES-SS-10-075-01		Field Dup. RES-SS-10-075-01		None	None	None	
TAL Metal Analysis (MG/KG)			MAMA74				MAMA73	
Aluminum	NA		5970		NA	NA	213000	
Antimony	NA		3.2		NA	NA	2 2	UJ
Arsenic	NA		32 8		NA	NA	7 7	
Barium	NA		874		NA	NA	608	
Beryllium	NA		0.39		NA	NA	0 42	
Cadmium	NA		3.0		NA	NA	1 0	J
Calcium	NA		26000		NA	NA	2240	
Chromium	NA		41.0		NA	NA	115	
Cobalt	NA		10.9		NA	NA	8.7	J
Copper	NA		175		NA	NA	409	
Iron	NA		42100		NA	NA	89700	
Lead	NA		1220		NA	NA	2160	
Magnesium	NA		2560		NA	NA	1170	J
Manganese	NA		836		NA	NA	2880	
Mercury	NA		0.77		NA	NA	0 32	J
Nickel	NA		34.6		NA	NA	41 6	J
Potassium	NA		681		NA	NA	461	J
Selenium	NA		0 50	U	NA	NA	0 58	U
Silver	NA		2.0		NA	NA	3.6	J
Sodium	NA		348	U	NA	NA	362	UJ
Thallium	NA		0 59	U	NA	NA	0 67	U
Vanadium	NA		21.0		NA	NA	24.8	J
Zinc	NA		1730		NA	NA	1390	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-076-02	RES-SS-10-076-03	RES-SS-10-604-01		RES-SS-DU-111899F	RES-SS-10-604-01-MAX
Sample Location	RES-10-076-02	RES-10-076-03	RES-10-604-01		RES-10-604-01	RES-10-604-01
Interval	0 0-1 0	0 0-1 0	0 0-1 0		0 0-1 0	0 0-1 0
Date Sampled	11/19/99	11/19/99	11/18/99		11/18/99	11/18/99
QC Identifier	None	None	Field Dup RES-SS-10-604-01		Field Dup RES-SS-10-604-01	Field Dup RES-SS-10-604-01
Semivolatile Organic Analysis (UG/KG)			AQC35			AQC35
1,1'-Biphenyl	NA	NA	3100	U	NA	3100 U
2,2'-oxybis(1-Chloropropane)	NA	NA	3100	U	NA	3100 U
2,4,5-Trichlorophenol	NA	NA	7700	U	NA	7700 U
2,4,6-Trichlorophenol	NA	NA	3100	U	NA	3100 U
2,4-Dichlorophenol	NA	NA	3100	U	NA	3100 U
2,4-Dimethylphenol	NA	NA	3100	U	NA	3100 U
2,4-Dinitrophenol	NA	NA	7700	UJ	NA	7700 UJ
2,4-Dinitrotoluene	NA	NA	3100	U	NA	3100 U
2,6-Dinitrotoluene	NA	NA	3100	U	NA	3100 U
2-Chloronaphthalene	NA	NA	3100	U	NA	3100 U
2-Chlorophenol	NA	NA	3100	U	NA	3100 U
2-Methylnaphthalene	NA	NA	3100	U	NA	3100 U
2-Methylphenol	NA	NA	3100	U	NA	3100 U
2-Nitroaniline	NA	NA	7700	UJ	NA	7700 U
2-Nitrophenol	NA	NA	3100	U	NA	3100 U
3,3'-Dichlorobenzidine	NA	NA	3100	UJ	NA	3100 U
3-Nitroaniline	NA	NA	7700	U	NA	7700 U
4,6-Dinitro-2-methylphenol	NA	NA	7700	UJ	NA	7700 UJ
4-Bromophenyl-phenylether	NA	NA	3100	U	NA	3100 U
4-Chloro-3-methylphenol	NA	NA	3100	U	NA	3100 U
4-Chloroaniline	NA	NA	3100	U	NA	3100 U
4-Chlorophenyl-phenylether	NA	NA	3100	U	NA	3100 U
4-Methylphenol	NA	NA	3100	U	NA	3100 U
4-Nitroaniline	NA	NA	7700	U	NA	7700 U
4-Nitrophenol	NA	NA	7700	UJ	NA	7700 U
Acenaphthene	NA	NA	3100	U	NA	3100 U
Acenaphthylene	NA	NA	3100	U	NA	3100 U
Acetophenone	NA	NA	3100	U	NA	3100 U
Anthracene	NA	NA	50	J	NA	50
Atrazine	NA	NA	3100	UJ	NA	3100 UJ
Benzaldehyde	NA	NA	3100	U	NA	3100 U
Benzo(a)anthracene	NA	NA	400	J	NA	400
Benzo(a)pyrene	NA	NA	440	J	NA	440

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-076-02		RES-SS-10-076-03		RES-SS-10-604-01		RES-SS-DU-111899F		RES-SS-10-604-01-MAX	
Sample Location	RES-10-076-02		RES-10-076-03		RES-10-604-01		RES-10-604-01		RES-10-604-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/19/99		11/19/99		11/18/99		11/18/99		11/18/99	
QC Identifier	None		None		Field Dup RES-SS-10-604-01		Field Dup RES-SS-10-604-01		Field Dup RES-SS-10-604-01	
Benzo(b)fluoranthene		NA	NA		550	J	NA		550	
Benzo(g,h,i)perylene		NA	NA		340	J	NA		340	
Benzo(k)fluoranthene		NA	NA		430	J	NA		430	
Bis(2-Chloroethoxy)methane		NA	NA		3100	U	NA		3100	U
Bis(2-Chloroethyl)ether		NA	NA		3100	U	NA		3100	U
bis(2-Ethylhexyl)phthalate		NA	NA		370	J	NA		370	
Butylbenzylphthalate		NA	NA		3100	U	NA		3100	U
Caprolactam		NA	NA		3100	UJ	NA		3100	U
Carbazole		NA	NA		3100	U	NA		3100	U
Chrysene		NA	NA		700	J	NA		700	
Di-n-Butylphthalate		NA	NA		3100	U	NA		3100	U
Di-n-octylphthalate		NA	NA		3100	U	NA		3100	U
Dibenzo(a,h)anthracene		NA	NA		3100	U	NA		3100	U
Dibenzofuran		NA	NA		3100	U	NA		3100	U
Diethylphthalate		NA	NA		3100	U	NA		3100	U
Dimethylphthalate		NA	NA		3100	U	NA		3100	U
Fluoranthene		NA	NA		790	J	NA		790	
Fluorene		NA	NA		3100	U	NA		3100	U
Hexachlorobenzene		NA	NA		3100	UJ	NA		3100	U
Hexachlorobutadiene		NA	NA		3100	U	NA		3100	U
Hexachlorocyclopentadiene		NA	NA		3100	UJ	NA		3100	U
Hexachloroethane		NA	NA		3100	U	NA		3100	U
Indeno(1,2,3-cd)pyrene		NA	NA		380	J	NA		380	
Isophorone		NA	NA		3100	U	NA		3100	U
N-Nitroso-di-n-propylamine		NA	NA		3100	UJ	NA		3100	U
N-Nitroso-diphenylamine		NA	NA		3100	U	NA		3100	U
Naphthalene		NA	NA		3100	U	NA		3100	U
Nitrobenzene		NA	NA		3100	U	NA		3100	U
Pentachlorophenol		NA	NA		7700	UJ	NA		7700	U
Phenanthrene		NA	NA		320	J	NA		320	
Phenol		NA	NA		3100	U	NA		3100	U
Pyrene		NA	NA		770	J	NA		770	
Total PAH		NA	NA		680		NA		680	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-076-02	RES-SS-10-076-03	RES-SS-10-604-01		RES-SS-DU-111899F		RES-SS-10-604-01-MAX	
Sample Location	RES-10-076-02	RES-10-076-03	RES-10-604-01		RES-10-604-01		RES-10-604-01	
Interval	0 0-1 0	0 0-1 0	0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/19/99	11/19/99	11/18/99		11/18/99		11/18/99	
QC Identifier	None	None	Field Dup RES-SS-10-604-01		Field Dup RES-SS-10-604-01		Field Dup RES-SS-10-604-01	
Pesticide/PCB Analysis (UG/KG)				AQC35				AQC35
4,4'-DDD	NA		NA	6 1	U	NA		6 1 U
4,4'-DDE	NA		NA	13		NA		1 3
4,4'-DDT	NA		NA	7 8		NA		7 8
Aldrin	NA		NA	3 2	U	NA		3 2 U
alpha-BHC	NA		NA	3 2	U	NA		3 2 U
alpha-Chlordane	NA		NA	7 0		NA		7 0
Aroclor, Total	NA		NA	73		NA		73
Aroclor-1016	NA		NA	61	U	NA		61 U
Aroclor-1221	NA		NA	120	U	NA		120 U
Aroclor-1232	NA		NA	61	U	NA		61 U
Aroclor-1242	NA		NA	61	U	NA		61 U
Aroclor-1248	NA		NA	61	U	NA		61 U
Aroclor-1254	NA		NA	73		NA		73
Aroclor-1260	NA		NA	61	U	NA		61 U
beta-BHC	NA		NA	3 2	U	NA		3 2 U
delta-BHC	NA		NA	3 2	U	NA		3 2 U
Dieldrin	NA		NA	6 1	U	NA		6 1 U
Endosulfan I	NA		NA	3 2	U	NA		3 2 U
Endosulfan II	NA		NA	6 1	U	NA		6 1 U
Endosulfan Sulfate	NA		NA	6 1	U	NA		6 1 U
Endrin	NA		NA	6 1	U	NA		6 1 U
Endrin Aldehyde	NA		NA	6 1	U	NA		6 1 U
Endrin Ketone	NA		NA	6 1	U	NA		6 1 U
gamma-BHC	NA		NA	3 2	U	NA		3 2 U
gamma-Chlordane	NA		NA	4 7		NA		4 7
Heptachlor	NA		NA	3 2	U	NA		3 2 U
Heptachlor Epoxide	NA		NA	3 2	U	NA		3 2 U
Methoxychlor	NA		NA	32	U	NA		32 U
Toxaphene	NA		NA	320	U	NA		320 U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-076-02		RES-SS-10-076-03		RES-SS-10-604-01		RES-SS-DU-111899F		RES-SS-10-604-01-MAX	
Sample Location	RES-10-076-02		RES-10-076-03		RES-10-604-01		RES-10-604-01		RES-10-604-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/19/99		11/19/99		11/18/99		11/18/99		11/18/99	
QC Identifier	None		None		Field Dup. RES-SS-10-604-01		Field Dup. RES-SS-10-604-01		Field Dup. RES-SS-10-604-01	
Dioxin Analysis (NG/KG)	D01460		D01463		D01443		D01434		D01443	
1,2,3,4,6,7,8-HpCDD	53 1		11 6		409		481	J	409	
1,2,3,4,6,7,8-HpCDF	12.1		4 4	J	181		216		216	
1,2,3,4,7,8,9-HpCDF	1 6	J	0.70	U	10.4		13 0		13 0	
1,2,3,4,7,8-HxCDD	1 1	J	0 40	U	6.6		10 1		10 1	
1,2,3,4,7,8-HxCDF	5.4		2 4	U	12.2		17.3	EB	12 2	
1,2,3,6,7,8-HxCDD	2 5	J	0 30	U	19.0		22 2		22 2	
1,2,3,6,7,8-HxCDF	2 6	J	1 2	J	8 3	J	11.1		11 1	
1,2,3,7,8,9-HxCDD	3 8	J	0.40	U	20.0		26 2		26.2	
1,2,3,7,8,9-HxCDF	0.30	U	0.30	U	0.90	U	2.1	U	2 1	U
1,2,3,7,8-PeCDD	1 1	J	0.49	EMPC	5 3		6 2		6 2	
1,2,3,7,8-PeCDF	5 7	EMPC	1.5	J	0.70	U	6 6		6.6	
1,2,4,5,7,8-hexachloro(9H)xanthene	4.56	J	0 00	U	104.9	J	31.83	J	104 9	
2,3,4,6,7,8-HxCDF	3.6	J	1.7	J	12.8		16 9		16 9	
2,3,4,7,8-PeCDF	3.3	J	1.5	J	5.4		6.4		6 4	
2,3,7,8-TCDD	11.5		1 4		241		204		241	
2,3,7,8-TCDF	10 1		4.8		9.4	EMPC	15.2		15.2	
OCDD	381	JEB	61 3	JEB	2630	EB	2990	JEB	2990	
OCDF	10.3	J	2 6	EMPC	402		479	J	402	
Total HpCDD	104	J	21.8	J	803	J	1020	J	1020	
Total HpCDF	25.1	J	7 1	J	437	J	543	J	543	
Total HxCDD	31.2	J	2 6	J	138	J	188	J	188	
Total HxCDF	38 6	J	13 9	J	139	J	302	J	302	
Total PeCDD	10 8	J	3 3	J	19.3	J	61 9	J	61 9	
Total PeCDF	45 5	J	15 7	J	137	J	208	J	208	
Total TCDD	31 0	J	8 4	J	273	J	240	J	273	
Total TCDF	60 5	J	15 2	J	142	J	235	J	235	
Toxicity Equivalency	18 2		3 8		264		233		264	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-076-02	RES-SS-10-076-03	RES-SS-10-604-01		RES-SS-DU-111899F	RES-SS-10-604-01-MAX
Sample Location	RES-10-076-02	RES-10-076-03	RES-10-604-01		RES-10-604-01	RES-10-604-01
Interval	0 0-1 0	0 0-1 0	0 0-1 0		0 0-1 0	0 0-1 0
Date Sampled	11/19/99	11/19/99	11/18/99		11/18/99	11/18/99
QC Identifier	None	None	Field Dup. RES-SS-10-604-01		Field Dup. RES-SS-10-604-01	Field Dup. RES-SS-10-604-01
TAL Metal Analysis (MG/KG)			MALJ85			MALJ85
Aluminum	NA	NA	8610		NA	8610
Antimony	NA	NA	0.76	UJ	NA	0.76 U
Arsenic	NA	NA	4.0		NA	4.0
Barium	NA	NA	73.8		NA	73.8
Beryllium	NA	NA	0.72		NA	0.72
Cadmium	NA	NA	0.14	UJ	NA	0.14 U
Calcium	NA	NA	1740	J	NA	1740
Chromium	NA	NA	23.5		NA	23.5
Cobalt	NA	NA	4.8		NA	4.8
Copper	NA	NA	45.9		NA	45.9
Iron	NA	NA	12200		NA	12200
Lead	NA	NA	177		NA	177
Magnesium	NA	NA	2430	J	NA	2430
Manganese	NA	NA	168		NA	168
Mercury	NA	NA	0.09	J	NA	0.09
Nickel	NA	NA	15.1		NA	15.1
Potassium	NA	NA	1300		NA	1300
Selenium	NA	NA	0.65	U	NA	0.65 U
Silver	NA	NA	0.58	U	NA	0.58 U
Sodium	NA	NA	55.8	U	NA	55.8 U
Thallium	NA	NA	0.76	U	NA	0.76 U
Vanadium	NA	NA	21.6		NA	21.6
Zinc	NA	NA	157		NA	157

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-604-02	RES-SS-10-604-03	01	02	RES-SS-11-011-03
Sample Location	RES-10-604-02	RES-10-604-03	RES-11-011-01	RES-11-011-02	RES-11-011-03
Interval	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
Date Sampled	11/18/99	11/18/99	12/2/99	12/2/99	12/2/99
QC Identifier	None	None	None	None	[illegible]
Semivolatile Organic Analysis (UG/KG)			APK71		
1,1'-Biphenyl	NA	NA	530 U	NA	NA
2,2'-oxybis(1-Chloropropane)	NA	NA	530 U	NA	NA
2,4,5-Trichlorophenol	NA	NA	1300 U	NA	NA
2,4,6-Trichlorophenol	NA	NA	530 U	NA	NA
2,4-Dichlorophenol	NA	NA	530 U	NA	NA
2,4-Dimethylphenol	NA	NA	530 U	NA	NA
2,4-Dinitrophenol	NA	NA	1300 U	NA	NA
2,4-Dinitrotoluene	NA	NA	530 U	NA	NA
2,6-Dinitrotoluene	NA	NA	530 U	NA	NA
2-Chloronaphthalene	NA	NA	530 U	NA	NA
2-Chlorophenol	NA	NA	530 U	NA	NA
2-Methylnaphthalene	NA	NA	530 U	NA	NA
2-Methylphenol	NA	NA	530 U	NA	NA
2-Nitroaniline	NA	NA	1300 U	NA	NA
2-Nitrophenol	NA	NA	530 U	NA	NA
3,3'-Dichlorobenzidine	NA	NA	530 U	NA	NA
3-Nitroaniline	NA	NA	1300 U	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	1300 U	NA	NA
4-Bromophenyl-phenylether	NA	NA	530 U	NA	NA
4-Chloro-3-methylphenol	NA	NA	530 U	NA	NA
4-Chloroaniline	NA	NA	530 U	NA	NA
4-Chlorophenyl-phenylether	NA	NA	530 U	NA	NA
4-Methylphenol	NA	NA	530 U	NA	NA
4-Nitroaniline	NA	NA	1300 U	NA	NA
4-Nitrophenol	NA	NA	1300 U	NA	NA
Acenaphthene	NA	NA	530 U	NA	NA
Acenaphthylene	NA	NA	300 J	NA	NA
Acetophenone	NA	NA	530 U	NA	NA
Anthracene	NA	NA	220 J	NA	NA
Atrazine	NA	NA	530 U	NA	NA
Benzaldehyde	NA	NA	530 U	NA	NA
Benzo(a)anthracene	NA	NA	760	NA	NA
Benzo(a)pyrene	NA	NA	960	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-604-02	RES-SS-10-604-03	01		02	RES-SS-11-011-03	
Sample Location	RES-10-604-02	RES-10-604-03	RES-11-011-01		RES-11-011-02	RES-11-011-03	
Interval	0.0-1.0	0.0-1.0	0.0-1.0		0.0-1.0	0.0-1.0	
Date Sampled	11/18/99	11/18/99	12/2/99		12/2/99	12/2/99	
QC Identifier	None	None	None		None	03	
Benzo(b)fluoranthene	NA	NA	1500		NA	NA	
Benzo(g,h,i)perylene	NA	NA	310	J	NA	NA	
Benzo(k)fluoranthene	NA	NA	1600		NA	NA	
Bis(2-Chloroethoxy)methane	NA	NA	530	U	NA	NA	
Bis(2-Chloroethyl)ether	NA	NA	530	U	NA	NA	
bis(2-Ethylhexyl)phthalate	NA	NA	130	J	NA	NA	
Butylbenzylphthalate	NA	NA	530	U	NA	NA	
Caprolactam	NA	NA	530	U	NA	NA	
Carbazole	NA	NA	110	J	NA	NA	
Chrysene	NA	NA	1200		NA	NA	
Di-n-Butylphthalate	NA	NA	530	U	NA	NA	
Di-n-octylphthalate	NA	NA	530	U	NA	NA	
Dibenzo(a,h)anthracene	NA	NA	140	J	NA	NA	
Dibenzofuran	NA	NA	530	U	NA	NA	
Diethylphthalate	NA	NA	530	U	NA	NA	
Dimethylphthalate	NA	NA	530	U	NA	NA	
Fluoranthene	NA	NA	2000		NA	NA	
Fluorene	NA	NA	73	J	NA	NA	
Hexachlorobenzene	NA	NA	530	U	NA	NA	
Hexachlorobutadiene	NA	NA	530	U	NA	NA	
Hexachlorocyclopentadiene	NA	NA	530	U	NA	NA	
Hexachloroethane	NA	NA	530	U	NA	NA	
Indeno(1,2,3-cd)pyrene	NA	NA	380	J	NA	NA	
Isophorone	NA	NA	530	U	NA	NA	
N-Nitroso-di-n-propylamine	NA	NA	530	U	NA	NA	
N-Nitroso-diphenylamine	NA	NA	530	U	NA	NA	
Naphthalene	NA	NA	530	U	NA	NA	
Nitrobenzene	NA	NA	530	U	NA	NA	
Pentachlorophenol	NA	NA	1300	U	NA	NA	
Phenanthrene	NA	NA	1100		NA	NA	
Phenol	NA	NA	530	U	NA	NA	
Pyrene	NA	NA	2400		NA	NA	
Total PAH	NA	NA	1400		NA	NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-604-02	RES-SS-10-604-03	01	02	RES-SS-11-011-03
Sample Location	RES-10-604-02	RES-10-604-03	RES-11-011-01	RES-11-011-02	RES-11-011-03
Interval	0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0
Date Sampled	11/18/99	11/18/99	12/2/99	12/2/99	12/2/99
QC Identifier	None	None	None	None	03
Pesticide/PCB Analysis (UG/KG)			APK71		
4,4'-DDD	NA	NA	5.4 U	NA	NA
4,4'-DDE	NA	NA	5.4 U	NA	NA
4,4'-DDT	NA	NA	5.4 U	NA	NA
Aldrin	NA	NA	2.8 U	NA	NA
alpha-BHC	NA	NA	2.8 U	NA	NA
alpha-Chlordane	NA	NA	2.8 U	NA	NA
Aroclor, Total	NA	NA	110 U	NA	NA
Aroclor-1016	NA	NA	54 U	NA	NA
Aroclor-1221	NA	NA	110 U	NA	NA
Aroclor-1232	NA	NA	54 U	NA	NA
Aroclor-1242	NA	NA	54 U	NA	NA
Aroclor-1248	NA	NA	54 U	NA	NA
Aroclor-1254	NA	NA	54 U	NA	NA
Aroclor-1260	NA	NA	54 U	NA	NA
beta-BHC	NA	NA	2.8 U	NA	NA
delta-BHC	NA	NA	2.8 U	NA	NA
Dieldrin	NA	NA	5.4 U	NA	NA
Endosulfan I	NA	NA	2.8 U	NA	NA
Endosulfan II	NA	NA	5.4 U	NA	NA
Endosulfan Sulfate	NA	NA	5.4 U	NA	NA
Endrin	NA	NA	5.4 U	NA	NA
Endrin Aldehyde	NA	NA	5.4 U	NA	NA
Endrin Ketone	NA	NA	5.4 U	NA	NA
gamma-BHC	NA	NA	2.8 U	NA	NA
gamma-Chlordane	NA	NA	2.8 U	NA	NA
Heptachlor	NA	NA	2.8 U	NA	NA
Heptachlor Epoxide	NA	NA	7.6 P	NA	NA
Methoxychlor	NA	NA	28 U	NA	NA
Toxaphene	NA	NA	280 U	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-604-02		RES-SS-10-604-03		01		02		RES-SS-11-011-03	
Sample Location	RES-10-604-02		RES-10-604-03		RES-11-011-01		RES-11-011-02		RES-11-011-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/18/99		11/18/99		12/2/99		12/2/99		12/2/99	
QC Identifier	None		None		None		None		03	
Dioxin Analysis (NG/KG)	D01444		D01445		D01166		D01167		D01168	
1,2,3,4,6,7,8-HpCDD	28 0		6 4		33 0	J	19 5	J	83 2	J
1,2,3,4,6,7,8-HpCDF	11.7		2 6	EMPC	10 3	J	6 4	J	21 7	J
1,2,3,4,7,8,9-HpCDF	1 1	J	1 3	U	0.30	UJ	0 51	UJ	1 8	J
1,2,3,4,7,8-HxCDD	0 50	U	0.90	U	0 72	UJ	0 53	EMPC	1 5	UJ
1,2,3,4,7,8-HxCDF	3 1	UJ	1 9	UJ	1 8	UJ	2 1	UJ	3 5	UJ
1,2,3,6,7,8-HxCDD	1 7	J	0 80	U	1 7	UJ	1 1	UJ	3 9	J
1,2,3,6,7,8-HxCDF	1 3	J	0 54	J	1 1	UJ	0 97	UJ	1 9	J
1,2,3,7,8,9-HxCDD	2 5	J	0 90	U	2 0	UJ	1 3	UJ	4 0	J
1,2,3,7,8,9-HxCDF	0.40	U	0.70	U	0.20	UJ	0 20	UJ	0 27	J
1,2,3,7,8-PeCDD	0.50	U	0 90	U	0.58	UJ	0 55	UJ	0 94	UJ
1,2,3,7,8-PeCDF	1 0	EMPC	0 92	J	0 79	UJ	1 0	UJ	1 3	UJ
1,2,4,5,7,8-hexachloro(9H)xanthene	11.11	J	0 00	U	0 84	J	0 69	J	0 00	U
2,3,4,6,7,8-HxCDF	1 7	J	0 99	J	1 3	UJ	1 2	UJ	2 6	J
2,3,4,7,8-PeCDF	1 6	J	0 96	EMPC	1 1	UJ	1 3	UJ	1 8	UJ
2,3,7,8-TCDD	49.7		1.7		5.7	J	3 1	J	0 75	J
2,3,7,8-TCDF	4 6		1 9		2 0	UJ	2 6	UJ	3 2	UJ
OCDD	160	EB	39 6	EB	220	J	194	J	692	J
OCDF	17 5		3 9	J	15 9	J	10 3	J	42 0	J
Total HpCDD	54 0	J	14 1	J	61 5	J	40 8	J	168	J
Total HpCDF	21 5	J	4 1	EMPC	22 7	J	12 3	J	51 2	J
Total HxCDD	14 9	J	4 3	J	14 2	UJ	12 1	EMPC	33 4	EMPC
Total HxCDF	19 0	J	6 7	UJ	14 7	EMPC	11 2	UJ	28 1	J
Total PeCDD	1 3	J	3 1	EMPC	4 9	EMPC	6 4	EMPC	12 7	EMPC
Total PeCDF	17 8	J	7 2	J	11 7	UJ	13 5	EMPC	25 0	EMPC
Total TCDD	58 2	J	3 7	J	7 8	UJ	6 4	EMPC	3 9	EMPC
Total TCDF	26 2	J	2 9	J	11 9	EMPC	17 6	EMPC	29 1	EMPC
Toxicity Equivalency	52 6		3 4		7 3		4 5		4 5	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-10-604-02		RES-SS-10-604-03		01		02		RES-SS-11-011-03	
Sample Location	RES-10-604-02		RES-10-604-03		RES-11-011-01		RES-11-011-02		RES-11-011-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/18/99		11/18/99		12/2/99		12/2/99		12/2/99	
QC Identifier	None		None		None		None		03	
TAL Metal Analysis (MG/KG)					MAMA88					
Aluminum		NA		NA	3520			NA		NA
Antimony		NA		NA	1.2	U		NA		NA
Arsenic		NA		NA	3.9			NA		NA
Barium		NA		NA	82.6			NA		NA
Beryllium		NA		NA	0.24	U		NA		NA
Cadmium		NA		NA	0.32	J		NA		NA
Calcium		NA		NA	2700			NA		NA
Chromium		NA		NA	8.9			NA		NA
Cobalt		NA		NA	2.6			NA		NA
Copper		NA		NA	28.8			NA		NA
Iron		NA		NA	7790			NA		NA
Lead		NA		NA	162			NA		NA
Magnesium		NA		NA	955			NA		NA
Manganese		NA		NA	149			NA		NA
Mercury		NA		NA	0.12	U		NA		NA
Nickel		NA		NA	9.6			NA		NA
Potassium		NA		NA	316			NA		NA
Selenium		NA		NA	1.2	UJ		NA		NA
Silver		NA		NA	0.90	UJ		NA		NA
Sodium		NA		NA	112			NA		NA
Thallium		NA		NA	1.7	U		NA		NA
Vanadium		NA		NA	12.2			NA		NA
Zinc		NA		NA	189			NA		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-120299D	RES-SS-11-011-03-MAX	01	RES-SS-11-012-02	RES-SS-11-012-03
Sample Location	RES-11-011-03	RES-11-011-03	RES-11-012-01	RES-11-012-02	RES-11-012-03
Interval	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
Date Sampled	12/2/99	12/2/99	12/2/99	12/2/99	12/2/99
QC Identifier	03	03	None	None	None
Semivolatile Organic Analysis (UG/KG)			APK70		
1,1'-Biphenyl	NA	NA	650 U	NA	NA
2,2'-oxybis(1-Chloropropane)	NA	NA	650 U	NA	NA
2,4,5-Trichlorophenol	NA	NA	1600 U	NA	NA
2,4,6-Trichlorophenol	NA	NA	650 U	NA	NA
2,4-Dichlorophenol	NA	NA	650 U	NA	NA
2,4-Dimethylphenol	NA	NA	650 U	NA	NA
2,4-Dinitrophenol	NA	NA	1600 U	NA	NA
2,4-Dinitrotoluene	NA	NA	650 U	NA	NA
2,6-Dinitrotoluene	NA	NA	650 U	NA	NA
2-Chloronaphthalene	NA	NA	650 U	NA	NA
2-Chlorophenol	NA	NA	650 U	NA	NA
2-Methylnaphthalene	NA	NA	650 U	NA	NA
2-Methylphenol	NA	NA	650 U	NA	NA
2-Nitroaniline	NA	NA	1600 U	NA	NA
2-Nitrophenol	NA	NA	650 U	NA	NA
3,3'-Dichlorobenzidine	NA	NA	650 U	NA	NA
3-Nitroaniline	NA	NA	1600 U	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	1600 U	NA	NA
4-Bromophenyl-phenylether	NA	NA	650 U	NA	NA
4-Chloro-3-methylphenol	NA	NA	650 U	NA	NA
4-Chloroaniline	NA	NA	650 U	NA	NA
4-Chlorophenyl-phenylether	NA	NA	650 U	NA	NA
4-Methylphenol	NA	NA	650 U	NA	NA
4-Nitroaniline	NA	NA	1600 U	NA	NA
4-Nitrophenol	NA	NA	1600 U	NA	NA
Acenaphthene	NA	NA	120 J	NA	NA
Acenaphthylene	NA	NA	160 J	NA	NA
Acetophenone	NA	NA	650 U	NA	NA
Anthracene	NA	NA	350 J	NA	NA
Atrazine	NA	NA	650 U	NA	NA
Benzaldehyde	NA	NA	650 U	NA	NA
Benzo(a)anthracene	NA	NA	1300 J	NA	NA
Benzo(a)pyrene	NA	NA	1700 J	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-120299D		RES-SS-11-011-03-MAX		01		RES-SS-11-012-02		RES-SS-11-012-03	
Sample Location	RES-11-011-03		RES-11-011-03		RES-11-012-01		RES-11-012-02		RES-11-012-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	12/2/99		12/2/99		12/2/99		12/2/99		12/2/99	
QC Identifier	03		03		None		None		None	
Benzo(b)fluoranthene		NA		NA	3100	J		NA		NA
Benzo(g,h,i)perylene		NA		NA	470	J		NA		NA
Benzo(k)fluoranthene		NA		NA	2700	J		NA		NA
Bis(2-Chloroethoxy)methane		NA		NA	650	U		NA		NA
Bis(2-Chloroethyl)ether		NA		NA	650	U		NA		NA
bis(2-Ethylhexyl)phthalate		NA		NA	2900			NA		NA
Butylbenzylphthalate		NA		NA	620	J		NA		NA
Caprolactam		NA		NA	650	U		NA		NA
Carbazole		NA		NA	260	J		NA		NA
Chrysene		NA		NA	2100			NA		NA
Di-n-Butylphthalate		NA		NA	93	JEB		NA		NA
Di-n-octylphthalate		NA		NA	650	UJ		NA		NA
Dibenzo(a,h)anthracene		NA		NA	170	J		NA		NA
Dibenzofuran		NA		NA	93	J		NA		NA
Diethylphthalate		NA		NA	650	U		NA		NA
Dimethylphthalate		NA		NA	650	U		NA		NA
Fluoranthene		NA		NA	3400			NA		NA
Fluorene		NA		NA	140	J		NA		NA
Hexachlorobenzene		NA		NA	650	U		NA		NA
Hexachlorobutadiene		NA		NA	650	U		NA		NA
Hexachlorocyclopentadiene		NA		NA	650	U		NA		NA
Hexachloroethane		NA		NA	650	U		NA		NA
Indeno(1,2,3-cd)pyrene		NA		NA	470	J		NA		NA
Isophorone		NA		NA	650	U		NA		NA
N-Nitroso-di-n-propylamine		NA		NA	650	U		NA		NA
N-Nitroso-diphenylamine		NA		NA	650	U		NA		NA
Naphthalene		NA		NA	650	U		NA		NA
Nitrobenzene		NA		NA	650	U		NA		NA
Pentachlorophenol		NA		NA	1600	U		NA		NA
Phenanthrene		NA		NA	2200			NA		NA
Phenol		NA		NA	650	U		NA		NA
Pyrene		NA		NA	5000			NA		NA
Total PAH		NA		NA	24000			NA		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-120299D	RES-SS-11-011-03-MAX	01	RES-SS-11-012-02	RES-SS-11-012-03
Sample Location	RES-11-011-03	RES-11-011-03	RES-11-012-01	RES-11-012-02	RES-11-012-03
Interval	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
Date Sampled	12/2/99	12/2/99	12/2/99	12/2/99	12/2/99
QC Identifier	03	03	None	None	None
Pesticide/PCB Analysis (UG/KG)			APK70		
4,4'-DDD	NA	NA	8.2		NA NA
4,4'-DDE	NA	NA	21	P	NA NA
4,4'-DDT	NA	NA	27		NA NA
Aldrin	NA	NA	3.4	P	NA NA
alpha-BHC	NA	NA	3.4	U	NA NA
alpha-Chlordane	NA	NA	15		NA NA
Aroclor, Total	NA	NA	150		NA NA
Aroclor-1016	NA	NA	66	U	NA NA
Aroclor-1221	NA	NA	130	U	NA NA
Aroclor-1232	NA	NA	66	U	NA NA
Aroclor-1242	NA	NA	66	U	NA NA
Aroclor-1248	NA	NA	66	U	NA NA
Aroclor-1254	NA	NA	150		NA NA
Aroclor-1260	NA	NA	66	U	NA NA
beta-BHC	NA	NA	3.4	U	NA NA
delta-BHC	NA	NA	3.4	U	NA NA
Dieldrin	NA	NA	6.6	U	NA NA
Endosulfan I	NA	NA	3.4	U	NA NA
Endosulfan II	NA	NA	6.6	U	NA NA
Endosulfan Sulfate	NA	NA	6.6	U	NA NA
Endrin	NA	NA	6.6	U	NA NA
Endrin Aldehyde	NA	NA	6.6	U	NA NA
Endrin Ketone	NA	NA	16		NA NA
gamma-BHC	NA	NA	3.4	U	NA NA
gamma-Chlordane	NA	NA	11		NA NA
Heptachlor	NA	NA	3.4	U	NA NA
Heptachlor Epoxide	NA	NA	26		NA NA
Methoxychlor	NA	NA	34	U	NA NA
Toxaphene	NA	NA	340	U	NA NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-120299D		RES-SS-11-011-03-MAX		01		RES-SS-11-012-02		RES-SS-11-012-03	
Sample Location	RES-11-011-03		RES-11-011-03		RES-11-012-01		RES-11-012-02		RES-11-012-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	12/2/99		12/2/99		12/2/99		12/2/99		12/2/99	
QC Identifier	03		03		None		None		None	
Dioxin Analysis (NG/KG)	D01148		D01148		D01163		D01164		D01165	
1,2,3,4,6,7,8-HpCDD	88 7	J	88 7		150	J	58 6	J	82 5	J
1,2,3,4,6,7,8-HpCDF	20 9		20 9		38 0	J	12 0	J	18 2	J
1,2,3,4,7,8,9-HpCDF	1 8	J	1 8		3 5	J	0 30	UJ	1 5	J
1,2,3,4,7,8-HxCDD	1 5	J	1 5		2 6	J	1 6	J	1 1	EMPC
1,2,3,4,7,8-HxCDF	3 4	J	3 4		4 3	UJ	1 8	UJ	5 1	J
1,2,3,6,7,8-HxCDD	4 1	J	4 1		6 8	J	3 0	J	3 0	J
1,2,3,6,7,8-HxCDF	2 1	J	2 1		2 8	J	1 3	UJ	2 3	J
1,2,3,7,8,9-HxCDD	3 4	J	4 0		7 2	J	3 3	J	3 2	J
1,2,3,7,8,9-HxCDF	0 30	U	0 30	U	0 30	UJ	0 48	J	0 20	UJ
1,2,3,7,8-PeCDD	1 4	EMPC	1 4		1 3	UJ	0 75	EMPC	0 93	UJ
1,2,3,7,8-PeCDF	0 51	J	0 51		1 4	UJ	0 90	UJ	1 8	UJ
1,2,4,5,7,8-hexachloro(9H)xanthene	0 00	U		NA	1 37	J	0 00	U	0 00	U
2,3,4,6,7,8-HxCDF	2 5	J	2 6		4 2	J	1 5	J	3 3	J
2,3,4,7,8-PeCDF	2 3	EMPC	2 3		2 1	UJ	0 94	UJ	2 8	J
2,3,7,8-TCDD	1 0		1 0		7 7	J	0 50	J	0 69	J
2,3,7,8-TCDF	4 1		4 1		3 5	UJ	1 5	UJ	6 5	J
OCDD	741	J	741		1100	J	451	J	746	J
OCDF	39 6		39 6		74 8	J	23 0	J	27 5	J
Total HpCDD	176	J	176		273	J	100	J	150	J
Total HpCDF	47 0	J	51 2		90 2	J	28 4	J	40 8	J
Total HxCDD	35 8	J	35 8		47 2	J	20 4	UJ	30 4	EMPC
Total HxCDF	30 2	J	30 2		51 2	J	16 2	UJ	35 0	J
Total PeCDD	3 1	J	12 7		12 0	EMPC	5 4	EMPC	15 0	EMPC
Total PeCDF	18 6	J	25 0		24 6	UJ	8 7	EMPC	34 7	J
Total TCDD	4 4	EMPC	4 4		11 7	EMPC	1 4	EMPC	10 7	EMPC
Total TCDF	21 3	J	29 1		32 4	EMPC	8 9	EMPC	36 3	J
Toxicity Equivalency	6 9		6 9		13 7		3 5		6 2	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-120299D		RES-SS-11-011-03-MAX		01		RES-SS-11-012-02		RES-SS-11-012-03	
Sample Location	RES-11-011-03		RES-11-011-03		RES-11-012-01		RES 11 012 02		RES-11 012 03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	12/2/99		12/2/99		12/2/99		12/2/99		12/2/99	
QC Identifier	03		03		None		None		None	
TAL Metal Analysis (MG/KG)					MAMA87					
Aluminum		NA		NA	10600			NA		NA
Antimony		NA		NA	2 5	J		NA		NA
Arsenic		NA		NA	7 8			NA		NA
Barium		NA		NA	202			NA		NA
Beryllium		NA		NA	0 35	U		NA		NA
Cadmium		NA		NA	1 6	J		NA		NA
Calcium		NA		NA	3860			NA		NA
Chromium		NA		NA	25 7			NA		NA
Cobalt		NA		NA	8 8			NA		NA
Copper		NA		NA	251			NA		NA
Iron		NA		NA	17800			NA		NA
Lead		NA		NA	2460			NA		NA
Magnesium		NA		NA	2560			NA		NA
Manganese		NA		NA	425			NA		NA
Mercury		NA		NA	0 18	U		NA		NA
Nickel		NA		NA	48 1			NA		NA
Potassium		NA		NA	792			NA		NA
Selenium		NA		NA	1 8	UJ		NA		NA
Silver		NA		NA	5 7	J		NA		NA
Sodium		NA		NA	234			NA		NA
Thallium		NA		NA	2 5	U		NA		NA
Vanadium		NA		NA	36 7			NA		NA
Zinc		NA		NA	574			NA		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-328-01		RES-SS-DU-111899D		RES-SS-11-328-01-MAX		RES-SS-11-328-02		RES-SS-11-328-03	
Sample Location	RES-11-328-01		RES-11-328-01		RES-11-328-01		RES-11-328-02		RES-11-328-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup. RES-SS-11-328-01		Field Dup. RES-SS-11-328-01		Field Dup. RES-SS-11-328-01		None		None	
Semivolatile Organic Analysis (UG/KG)	AQC28				AQC28					
1,1'-Biphenyl	2700	U	NA		2700	U	NA		NA	
2,2'-oxybis(1-Chloropropane)	2700	U	NA		2700	U	NA		NA	
2,4,5-Trichlorophenol	6800	U	NA		6800	U	NA		NA	
2,4,6-Trichlorophenol	2700	U	NA		2700	U	NA		NA	
2,4-Dichlorophenol	2700	U	NA		2700	U	NA		NA	
2,4-Dimethylphenol	2700	U	NA		2700	U	NA		NA	
2,4-Dinitrophenol	6800	U	NA		6800	U	NA		NA	
2,4-Dinitrotoluene	2700	U	NA		2700	U	NA		NA	
2,6-Dinitrotoluene	2700	U	NA		2700	U	NA		NA	
2-Chloronaphthalene	2700	U	NA		2700	U	NA		NA	
2-Chlorophenol	2700	U	NA		2700	U	NA		NA	
2-Methylnaphthalene	2700	U	NA		2700	U	NA		NA	
2-Methylphenol	2700	U	NA		2700	U	NA		NA	
2-Nitroaniline	6800	U	NA		6800	U	NA		NA	
2-Nitrophenol	2700	U	NA		2700	U	NA		NA	
3,3'-Dichlorobenzidine	2700	U	NA		2700	U	NA		NA	
3-Nitroaniline	6800	U	NA		6800	U	NA		NA	
4,6-Dinitro-2-methylphenol	6800	U	NA		6800	U	NA		NA	
4-Bromophenyl-phenylether	2700	U	NA		2700	U	NA		NA	
4-Chloro-3-methylphenol	2700	U	NA		2700	U	NA		NA	
4-Chloroaniline	2700	U	NA		2700	U	NA		NA	
4-Chlorophenyl-phenylether	2700	U	NA		2700	U	NA		NA	
4-Methylphenol	2700	U	NA		2700	U	NA		NA	
4-Nitroaniline	6800	U	NA		6800	U	NA		NA	
4-Nitrophenol	6800	U	NA		6800	U	NA		NA	
Acenaphthene	2700	U	NA		2700	U	NA		NA	
Acenaphthylene	2700	U	NA		2700	U	NA		NA	
Acetophenone	2700	U	NA		2700	U	NA		NA	
Anthracene	2700	U	NA		2700	U	NA		NA	
Atrazine	2700	U	NA		2700	U	NA		NA	
Benzaldehyde	2700	U	NA		2700	U	NA		NA	
Benzo(a)anthracene	460	J	NA		460		NA		NA	
Benzo(a)pyrene	610	J	NA		610		NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-328-01		RES-SS-DU-111899D		RES-SS-11-328-01-MAX		RES-SS-11-328-02		RES-SS-11-328-03	
Sample Location	RES-11-328-01		RES-11-328-01		RES-11-328-01		RES-11-328-02		RES-11-328-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup. RES-SS-11-328-01		Field Dup. RES-SS-11-328-01		Field Dup. RES-SS-11-328-01		None		None	
Benzo(b)fluoranthene	1000	J	NA		1000		NA		NA	
Benzo(g,h,i)perylene	2700	U	NA		2700	U	NA		NA	
Benzo(k)fluoranthene	850	J	NA		850		NA		NA	
Bis(2-Chloroethoxy)methane	2700	U	NA		2700	U	NA		NA	
Bis(2-Chloroethyl)ether	2700	U	NA		2700	U	NA		NA	
bis(2-Ethylhexyl)phthalate	2700	U	NA		2700	U	NA		NA	
Butylbenzylphthalate	2700	U	NA		2700	U	NA		NA	
Caprolactam	2700	U	NA		2700	U	NA		NA	
Carbazole	2700	U	NA		2700	U	NA		NA	
Chrysene	700	J	NA		700		NA		NA	
Di-n-Butylphthalate	2700	U	NA		2700	U	NA		NA	
Di-n-octylphthalate	2700	U	NA		2700	U	NA		NA	
Dibenzo(a,h)anthracene	2700	U	NA		2700	U	NA		NA	
Dibenzofuran	2700	U	NA		2700	U	NA		NA	
Diethylphthalate	2700	U	NA		2700	U	NA		NA	
Dimethylphthalate	2700	U	NA		2700	U	NA		NA	
Fluoranthene	1100	J	NA		1100		NA		NA	
Fluorene	2700	U	NA		2700	U	NA		NA	
Hexachlorobenzene	2700	U	NA		2700	U	NA		NA	
Hexachlorobutadiene	2700	U	NA		2700	U	NA		NA	
Hexachlorocyclopentadiene	2700	U	NA		2700	U	NA		NA	
Hexachloroethane	2700	U	NA		2700	U	NA		NA	
Indeno(1,2,3-cd)pyrene	2700	U	NA		2700	U	NA		NA	
Isophorone	2700	U	NA		2700	U	NA		NA	
N-Nitroso-di-n-propylamine	2700	U	NA		2700	U	NA		NA	
N-Nitroso-diphenylamine	2700	U	NA		2700	U	NA		NA	
Naphthalene	2700	U	NA		2700	U	NA		NA	
Nitrobenzene	2700	U	NA		2700	U	NA		NA	
Pentachlorophenol	6800	U	NA		6800	U	NA		NA	
Phenanthrene	460	J	NA		460		NA		NA	
Phenol	2700	U	NA		2700	U	NA		NA	
Pyrene	770	J	NA		770		NA		NA	
Total PAH	770		NA		770		NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-328-01		RES-SS-DU-111899D		RES-SS-11-328-01-MAX		RES-SS-11-328-02		RES-SS-11-328-03	
Sample Location	RES-11-328-01		RES-11-328-01		RES-11-328-01		RES-11-328-02		RES-11-328-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0 1 0		0 0 1 0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup RES-SS-11-328-01		Field Dup RES-SS-11-328-01		Field Dup RES SS 11 328 01		None		None	
Pesticide/PCB Analysis (UG/KG)	AQC28				AQC28					
4,4'-DDD	38			NA	38			NA		NA
4,4'-DDE	21			NA	21			NA		NA
4,4'-DDT	5.4	U		NA	5.4	U		NA		NA
Aldrin	2.8	U		NA	2.8	U		NA		NA
alpha-BHC	2.8	U		NA	2.8	U		NA		NA
alpha-Chlordane	4.4			NA	4.4			NA		NA
Aroclor, Total	340			NA	340			NA		NA
Aroclor-1016	54	U		NA	54	U		NA		NA
Aroclor-1221	110	U		NA	110	U		NA		NA
Aroclor-1232	54	U		NA	54	U		NA		NA
Aroclor-1242	140			NA	140			NA		NA
Aroclor-1248	54	U		NA	54	U		NA		NA
Aroclor-1254	200			NA	200			NA		NA
Aroclor-1260	54	U		NA	54	U		NA		NA
beta-BHC	2.8	U		NA	2.8	U		NA		NA
delta-BHC	2.8	U		NA	2.8	U		NA		NA
Dieldrin	15			NA	15			NA		NA
Endosulfan I	2.8	U		NA	2.8	U		NA		NA
Endosulfan II	12			NA	12			NA		NA
Endosulfan Sulfate	5.4	U		NA	5.4	U		NA		NA
Endrin	5.4	U		NA	5.4	U		NA		NA
Endrin Aldehyde	5.4	U		NA	5.4	U		NA		NA
Endrin Ketone	5.4	U		NA	5.4	U		NA		NA
gamma-BHC	2.8	U		NA	2.8	U		NA		NA
gamma-Chlordane	4.4			NA	4.4			NA		NA
Heptachlor	2.8	U		NA	2.8	U		NA		NA
Heptachlor Epoxide	2.8	U		NA	2.8	U		NA		NA
Methoxychlor	28	U		NA	28	U		NA		NA
Toxaphene	280	U		NA	280	U		NA		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-328-01		RES-SS-DU-111899D		RES-SS-11-328-01-MAX		RES-SS-11-328-02		RES-SS-11-328-03	
Sample Location	RES-11-328-01		RES-11-328-01		RES-11-328-01		RES-11-328-02		RES-11-328-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup RES-SS-11-328-01		Field Dup RES-SS-11-328-01		Field Dup RES-SS-11-328-01		None		None	
Dioxin Analysis (NG/KG)	D01422		D01417		D01422		D01423		D01424	
1,2,3,4,6,7,8-HpCDD	142	EB	126	J	142		49 9	EB	13 1	EB
1,2,3,4,6,7,8-HpCDF	54 3		47 5		54 3		27 7		7 7	
1,2,3,4,7,8,9-HpCDF	4 3	JEB	3 0	EMPC	4 3		1 6	EMPC	0 60	U
1,2,3,4,7,8-HxCDD	3 4	J	3 2	J	3 4		1 7	J	0 50	U
1,2,3,4,7,8-HxCDF	9 6		10 3	EB	9 6		10 0		2 2	J
1,2,3,6,7,8-HxCDD	9 4		7 3		9 4		4 9	J	1 0	J
1,2,3,6,7,8-HxCDF	5 6	EB	4 8	J	5 6		4 2	JEB	1 0	JEB
1,2,3,7,8,9-HxCDD	10 5	EB	9 7		9 7		5 8	EB	1 5	JEB
1,2,3,7,8,9-HxCDF	0 50	U	0 50	U	0 50	U	0 57	JEB	0 30	U
1,2,3,7,8-PeCDD	4 3	J	3 2	J	4 3		1 7	J	0 30	U
1,2,3,7,8-PeCDF	5 8	EB	3 9	J	5 8		0 20	U	0 84	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	133 69	J	36 73	J	133 69		0 00	U	0 00	U
2,3,4,6,7,8-HxCDF	7 2	EB	7 0		7 0		6 7	EB	1 4	JEB
2,3,4,7,8-PeCDF	6 6	EB	5 4		5 4		6 4	EB	1 4	EMPC
2,3,7,8-TCDD	371	EB	335		335		12 2	EB	1 5	EB
2,3,7,8-TCDF	23 6	EB	16 4		16 4		21 5	EB	3 7	EB
OCDD	890	J	794	JEB	890		215		76 0	
OCDF	79 2	JEB	91 9	J	91 9		21 1	EB	9 3	JEB
Total HpCDD	272	JEB	259	J	272		97 3	JEB	25 3	JEB
Total HpCDF	115	J	109	J	115		47 5	J	13 7	J
Total HxCDD	90 8	J	82 2	J	90 8		52 5	J	9 5	J
Total HxCDF	140	JEB	141	J	141		61 7	JEB	13 5	JEB
Total PeCDD	47 8	J	28 4	J	47 8		21 7	J	1 1	J
Total PeCDF	148	JEB	148	J	148		89 8	JEB	8 6	JEB
Total TCDD	440	JEB	394	J	440		31 7	JEB	1 5	JEB
Total TCDF	217	JEB	181	J	217		153	JEB	16 0	JEB
Toxicity Equivalency	388		349		388		23 5		3 7	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-328-01		RES-SS-DU-111899D		RES-SS-11-328-01-MAX		RES-SS-11-328-02		RES-SS-11-328-03	
Sample Location	RES-11-328-01		RES-11-328-01		RES-11-328-01		RES-11-328-02		RES-11-328-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup RES-SS-11-328-01		Field Dup RES-SS-11-328-01		Field Dup RES-SS-11-328-01		None		None	
TAL Metal Analysis (MG/KG)	MALJ78				MALJ78					
Aluminum	4270		NA		4270		NA		NA	
Antimony	1.9	U	NA		1 9	U	NA		NA	
Arsenic	4 9		NA		4 9		NA		NA	
Barium	186		NA		186		NA		NA	
Beryllium	0 38	U	NA		0 38	U	NA		NA	
Cadmium	0 41	J	NA		0 41		NA		NA	
Calcium	4230		NA		4230		NA		NA	
Chromium	25 6		NA		25 6		NA		NA	
Cobalt	3 8		NA		3 8		NA		NA	
Copper	64 3		NA		64 3		NA		NA	
Iron	10900		NA		10900		NA		NA	
Lead	325		NA		325		NA		NA	
Magnesium	1280		NA		1280		NA		NA	
Manganese	161		NA		161		NA		NA	
Mercury	0 19	U	NA		0 19	U	NA		NA	
Nickel	13 3		NA		13 3		NA		NA	
Potassium	320		NA		320		NA		NA	
Selenium	1 9	U	NA		1 9	U	NA		NA	
Silver	0 60	UJ	NA		0 60	U	NA		NA	
Sodium	212		NA		212		NA		NA	
Thallium	2 7	UJ	NA		2 7	U	NA		NA	
Vanadium	12 2		NA		12 2		NA		NA	
Zinc	315		NA		315		NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-396-01		RES-SS-11-396-02	RES-SS-11-396-03	01		RES-SS-11-419-02	RES-SS-11-419-03
Sample Location	RES-11-396-01		RES-11-396-02	RES-11-396-03	RES-11-419-01		RES-11-419-02	RES-11-419-03
Interval	0.0-1.0		0.0-1.0	0.0-1.0	0.0-1.0		0.0-1.0	0.0-1.0
Date Sampled	11/17/99		11/17/99	11/17/99	11/19/99		11/19/99	11/19/99
QC Identifier	None		None	None	None		None	None
Semivolatile Organic Analysis (UG/KG)	AQC20				AQC48			
1,1'-Biphenyl	2800	U	NA	NA	4000	U	NA	NA
2,2'-oxybis(1-Chloropropane)	2800	U	NA	NA	4000	U	NA	NA
2,4,5-Trichlorophenol	7100	U	NA	NA	10000	U	NA	NA
2,4,6-Trichlorophenol	2800	U	NA	NA	4000	U	NA	NA
2,4-Dichlorophenol	2800	U	NA	NA	4000	U	NA	NA
2,4-Dimethylphenol	2800	U	NA	NA	4000	U	NA	NA
2,4-Dinitrophenol	7100	U	NA	NA	10000	U	NA	NA
2,4-Dinitrotoluene	2800	U	NA	NA	4000	U	NA	NA
2,6-Dinitrotoluene	2800	U	NA	NA	4000	U	NA	NA
2-Chloronaphthalene	2800	U	NA	NA	4000	U	NA	NA
2-Chlorophenol	2800	U	NA	NA	4000	U	NA	NA
2-Methylnaphthalene	2800	U	NA	NA	4000	U	NA	NA
2-Methylphenol	2800	U	NA	NA	4000	U	NA	NA
2-Nitroaniline	7100	U	NA	NA	10000	U	NA	NA
2-Nitrophenol	2800	U	NA	NA	4000	U	NA	NA
3,3'-Dichlorobenzidine	2800	U	NA	NA	4000	U	NA	NA
3-Nitroaniline	7100	U	NA	NA	10000	U	NA	NA
4,6-Dinitro-2-methylphenol	7100	U	NA	NA	10000	U	NA	NA
4-Bromophenyl-phenylether	2800	U	NA	NA	4000	U	NA	NA
4-Chloro-3-methylphenol	2800	U	NA	NA	4000	U	NA	NA
4-Chloroaniline	2800	U	NA	NA	4000	U	NA	NA
4-Chlorophenyl-phenylether	2800	U	NA	NA	4000	U	NA	NA
4-Methylphenol	2800	U	NA	NA	4000	U	NA	NA
4-Nitroaniline	7100	U	NA	NA	10000	U	NA	NA
4-Nitrophenol	7100	U	NA	NA	10000	U	NA	NA
Acenaphthene	2800	U	NA	NA	4000	U	NA	NA
Acenaphthylene	2800	U	NA	NA	4000	U	NA	NA
Acetophenone	2800	U	NA	NA	4000	U	NA	NA
Anthracene	2800	U	NA	NA	4000	U	NA	NA
Atrazine	2800	U	NA	NA	4000	U	NA	NA
Benzaldehyde	800	J	NA	NA	600	J	NA	NA
Benzo(a)anthracene	2800	U	NA	NA	300	J	NA	NA
Benzo(a)pyrene	2800	U	NA	NA	500	J	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-396-01		RES-SS-11-396-02		RES-SS-11-396-03		01		RES-SS-11-419-02		RES-SS-11-419-03	
Sample Location	RES-11-396-01		RES-11-396-02		RES-11-396-03		RES-11-419-01		RES-11-419-02		RES-11-419-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/19/99		11/19/99		11/19/99	
QC Identifier	None		None		None		None		None		None	
Benzo(b)fluoranthene	470	J	NA		NA		420	J	NA		NA	
Benzo(g,h,i)perylene	2800	U	NA		NA		4000	UJ	NA		NA	
Benzo(k)fluoranthene	380	J	NA		NA		540	J	NA		NA	
Bis(2-Chloroethoxy)methane	2800	U	NA		NA		4000	U	NA		NA	
Bis(2-Chloroethyl)ether	2800	U	NA		NA		4000	U	NA		NA	
bis(2-Ethylhexyl)phthalate	2800	U	NA		NA		4000	UJ	NA		NA	
Butylbenzylphthalate	2800	U	NA		NA		4000	UJ	NA		NA	
Caprolactam	2800	U	NA		NA		4000	U	NA		NA	
Carbazole	2800	U	NA		NA		4000	U	NA		NA	
Chrysene	390	J	NA		NA		520	J	NA		NA	
Di-n-Butylphthalate	2800	U	NA		NA		4000	U	NA		NA	
Di-n-octylphthalate	2800	U	NA		NA		4000	UJ	NA		NA	
Dibenzo(a,h)anthracene	2800	U	NA		NA		4000	U	NA		NA	
Dibenzofuran	2800	U	NA		NA		4000	U	NA		NA	
Diethylphthalate	2800	U	NA		NA		4000	U	NA		NA	
Dimethylphthalate	2800	U	NA		NA		4000	U	NA		NA	
Fluoranthene	570	J	NA		NA		590	J	NA		NA	
Fluorene	2800	U	NA		NA		4000	U	NA		NA	
Hexachlorobenzene	2800	U	NA		NA		4000	U	NA		NA	
Hexachlorobutadiene	2800	U	NA		NA		4000	U	NA		NA	
Hexachlorocyclopentadiene	2800	U	NA		NA		4000	UJ	NA		NA	
Hexachloroethane	2800	U	NA		NA		4000	U	NA		NA	
Indeno(1,2,3-cd)pyrene	2800	U	NA		NA		4000	U	NA		NA	
Isophorone	2800	U	NA		NA		4000	U	NA		NA	
N-Nitroso-di-n-propylamine	2800	U	NA		NA		4000	U	NA		NA	
N-Nitroso-diphenylamine	2800	U	NA		NA		4000	U	NA		NA	
Naphthalene	2800	U	NA		NA		4000	U	NA		NA	
Nitrobenzene	2800	U	NA		NA		4000	U	NA		NA	
Pentachlorophenol	7100	U	NA		NA		10000	UJ	NA		NA	
Phenanthrene	2800	U	NA		NA		4000	U	NA		NA	
Phenol	2800	U	NA		NA		4000	U	NA		NA	
Pyrene	410	J	NA		NA		550	J	NA		NA	
Total PAH	51		NA		NA		660		NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-396-01		RES-SS-11-396-02		RES-SS-11-396-03		01		RES-SS-11-419-02		RES-SS-11-419-03	
Sample Location	RES-11-396-01		RES-11-396-02		RES-11-396-03		RES-11-419-01		RES-11-419-02		RES-11-419-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/19/99		11/19/99		11/19/99	
QC Identifier	None		None		None		None		None		None	
Pesticide/PCB Analysis (UG/KG)	AQC20						AQC48					
4,4'-DDD	5.6	U	NA		NA		8.0	U	NA		NA	
4,4'-DDE	11		NA		NA		23		NA		NA	
4,4'-DDT	9.4		NA		NA		7.9	J	NA		NA	
Aldrin	2.9	U	NA		NA		4.1	U	NA		NA	
alpha-BHC	2.9	U	NA		NA		4.1	U	NA		NA	
alpha-Chlordane	5.2		NA		NA		8.9		NA		NA	
Aroclor, Total	350		NA		NA		160	U	NA		NA	
Aroclor-1016	56	U	NA		NA		80	U	NA		NA	
Aroclor-1221	110	U	NA		NA		160	U	NA		NA	
Aroclor-1232	56	U	NA		NA		80	U	NA		NA	
Aroclor-1242	56	U	NA		NA		80	U	NA		NA	
Aroclor-1248	56	U	NA		NA		80	U	NA		NA	
Aroclor-1254	350		NA		NA		80	U	NA		NA	
Aroclor-1260	56	U	NA		NA		80	U	NA		NA	
beta-BHC	2.9	U	NA		NA		4.1	U	NA		NA	
delta-BHC	2.9	U	NA		NA		4.1	U	NA		NA	
Dieldrin	5.6	U	NA		NA		8.0	U	NA		NA	
Endosulfan I	2.9	U	NA		NA		4.1	U	NA		NA	
Endosulfan II	5.6	U	NA		NA		8.0	U	NA		NA	
Endosulfan Sulfate	5.6	U	NA		NA		8.0	U	NA		NA	
Endrin	5.6	U	NA		NA		8.0	U	NA		NA	
Endrin Aldehyde	5.6	U	NA		NA		8.0	U	NA		NA	
Endrin Ketone	5.6	U	NA		NA		8.0	U	NA		NA	
gamma-BHC	2.9	U	NA		NA		4.1	U	NA		NA	
gamma-Chlordane	3.5		NA		NA		4.1	U	NA		NA	
Heptachlor	2.9	U	NA		NA		4.1	U	NA		NA	
Heptachlor Epoxide	2.9	U	NA		NA		4.1	U	NA		NA	
Methoxychlor	29	U	NA		NA		41	U	NA		NA	
Toxaphene	290	U	NA		NA		410	U	NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-396-01		RES-SS-11-396-02		RES-SS-11-396-03		01		RES-SS-11-419-02		RES-SS-11-419-03	
Sample Location	RES-11-396-01		RES-11-396-02		RES-11-396-03		RES-11-419-01		RES-11-419-02		RES-11-419-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/19/99		11/19/99		11/19/99	
QC Identifier	None		None		None		None		None		None	
Dioxin Analysis (NG/KG)	D01403		D01404		D01405		D01467		D01468		D01469	
1,2,3,4,6,7,8-HpCDD	1110	EB	41 6	EB	18.2	EB	217		74 0		14 1	U
1,2,3,4,6,7,8-HpCDF	169		29 8		9 1		60 9		19 2		3 5	U
1,2,3,4,7,8,9-HpCDF	14.2	EB	2 0	JEB	0 50	U	3 8	U	1 3	J	1 0	U
1,2,3,4,7,8-HxCDD	10 8		1 8	J	0 85	EMPC	3 1	J	1 1	J	0 80	U
1,2,3,4,7,8-HxCDF	22 6		15 5		4 3	J	8 1		3 7	U	1 4	U
1,2,3,6,7,8-HxCDD	32 6		3 6	J	1 9	J	9 8		3 2	U	0 73	U
1,2,3,6,7,8-HxCDF	9 9	EB	5 6	EB	2 0	JEB	5 7	J	1 7	UJ		R
1,2,3,7,8,9-HxCDD	31 5	EB	6 0	EB	2 6	JEB	9 5		3 2	J	0 80	U
1,2,3,7,8,9-HxCDF	1 0	U	0 34	EMPC	0 30	U	1 4	U	0 40	U	0 40	U
1,2,3,7,8-PeCDD	15 9		1 9	J	0 89	J	2 5	U	0 99	J	1 0	U
1,2,3,7,8-PeCDF	9 5	EB	5 6	EB	3 0	JEB	2 7	U	1 5	U	0 60	U
1,2,4,5,7,8-hexachloro(9H)xanthene	337 21	J	13 42	J	0 00	U	89 54	J	184 05	J	0 00	U
2,3,4,6,7,8-HxCDF	12 5	EB	8 1	EB	2 4	JEB	4 9	J	1 9	J	0 68	U
2,3,4,7,8-PeCDF	13 9	EB	8 3	EB	3 3	JEB	4 1	J	2 1	U	0 60	U
2,3,7,8-TCDD	1060	EB&	49 1	EB	3 8	EB	585	$	144		1 1	
2,3,7,8-TCDF	48 3	EB	22 2	EB	10 4	EB	7 4		2 8	U	0 85	U
OCDD	9780	&	272		97 5		1770		665		159	J
OCDF	466	EB	18 4	EB	9 8	JEB	109		35 9		5 2	J
Total HpCDD	2000	JEB	88 2	JEB	37 7	JEB	492	J	199	J	50 4	UJ
Total HpCDF	647	J	44 6	J	14 4	J	122	J	42 0	J	7 7	UJ
Total HxCDD	261	J	51 5	J	26 4	J	80 5	J	29 6	EMPC	5 9	EMPC
Total HxCDF	270	JEB	67 8	JEB	21 6	JEB	91 6	J	28 7	J	6 2	UJ
Total PeCDD	137	J	33 0	J	19 7	J	18 6	EMPC	9 7	EMPC	1 0	UJ
Total PeCDF	437	JEB	102	JEB	37 6	JEB	81 1	J	26 0	EMPC	2 4	EMPC
Total TCDD	1130	JEB&	76 8	JEB	20 4	JEB	585	J$	152	J	2 2	UJ
Total TCDF	748	JEB	159	JEB	66 7	JEB	54 4	J	0 00	UJ	0 00	UJ
Toxicity Equivalency	1110		62 5		9 2		596		148		2 2	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-396-01		RES-SS-11-396-02		RES-SS-11-396-03	01		RES-SS-11-419-02		RES-SS-11-419-03	
Sample Location	RES-11-396-01		RES-11-396-02		RES-11-396-03	RES-11-419-01		RES 11-419-02		RES-11-419-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0	0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/17/99		11/17/99		11/17/99	11/19/99		11/19/99		11/19/99	
QC Identifier	None		None		None	None		None		None	
TAL Metal Analysis (MG/KG)	MALJ71					MAMA75					
Aluminum	5150		NA		NA	6230		NA		NA	
Antimony	1 8	J	NA		NA	2 2	UJ	NA		NA	
Arsenic	5.3		NA		NA	3 5		NA		NA	
Barium	185		NA		NA	99 8		NA		NA	
Beryllium	0 49	U	NA		NA	0 75		NA		NA	
Cadmium	0 81		NA		NA	0 14	U	NA		NA	
Calcium	19500		NA		NA	4660		NA		NA	
Chromium	79 4		NA		NA	29 1		NA		NA	
Cobalt	4 3		NA		NA	3 7		NA		NA	
Copper	61 8		NA		NA	44 1		NA		NA	
Iron	9940		NA		NA	14100		NA		NA	
Lead	425		NA		NA	157		NA		NA	
Magnesium	1940		NA		NA	1490	J	NA		NA	
Manganese	358		NA		NA	388		NA		NA	
Mercury	1 3		NA		NA	0 12	J	NA		NA	
Nickel	28 4		NA		NA	14 2		NA		NA	
Potassium	391		NA		NA	528		NA		NA	
Selenium	1 8	J	NA		NA	0 84	U	NA		NA	
Silver	0 77	U	NA		NA	0 94	U	NA		NA	
Sodium	234		NA		NA	72 6	U	NA		NA	
Thallium	2 4	UJ	NA		NA	0 98	U	NA		NA	
Vanadium	19 8		NA		NA	15 4		NA		NA	
Zinc	438		NA		NA	190		NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-420-01		RES-SS-11-420-02	RES-SS-11-420-03	RES-SS-DU-111799E	RES-SS-11-420-03-MAX
Sample Location	RES-11-420-01		RES-11-420-02	RES-11-420-03	RES-11-420-03	RES-11-420-03
Interval	0 0-1 0		0 0-1 0	0 0-1 0	0 0-1 0	0 0 1 0
Date Sampled	11/17/99		11/17/99	11/17/99	11/17/99	11/17/99
QC Identifier	None		None	Field Dup RES-SS-11-420-03	Field Dup RES-SS-11-420-03	Field Dup RES-SS-11-420-03
Semivolatile Organic Analysis (UG/KG)	AQC18					
1,1'-Biphenyl	460	U	NA	NA	NA	NA
2,2'-oxybis(1-Chloropropane)	460	U	NA	NA	NA	NA
2,4,5-Trichlorophenol	1100	U	NA	NA	NA	NA
2,4,6-Trichlorophenol	460	U	NA	NA	NA	NA
2,4-Dichlorophenol	460	U	NA	NA	NA	NA
2,4-Dimethylphenol	460	U	NA	NA	NA	NA
2,4-Dinitrophenol	1100	U	NA	NA	NA	NA
2,4-Dinitrotoluene	460	U	NA	NA	NA	NA
2,6-Dinitrotoluene	460	U	NA	NA	NA	NA
2-Chloronaphthalene	460	U	NA	NA	NA	NA
2-Chlorophenol	460	U	NA	NA	NA	NA
2-Methylnaphthalene	460	U	NA	NA	NA	NA
2-Methylphenol	460	U	NA	NA	NA	NA
2-Nitroaniline	1100	U	NA	NA	NA	NA
2-Nitrophenol	460	U	NA	NA	NA	NA
3,3'-Dichlorobenzidine	460	U	NA	NA	NA	NA
3-Nitroaniline	1100	U	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	1100	U	NA	NA	NA	NA
4-Bromophenyl-phenylether	460	U	NA	NA	NA	NA
4-Chloro-3-methylphenol	460	U	NA	NA	NA	NA
4-Chloroaniline	460	U	NA	NA	NA	NA
4-Chlorophenyl-phenylether	460	U	NA	NA	NA	NA
4-Methylphenol	460	U	NA	NA	NA	NA
4-Nitroaniline	1100	U	NA	NA	NA	NA
4-Nitrophenol	1100	U	NA	NA	NA	NA
Acenaphthene	460	U	NA	NA	NA	NA
Acenaphthylene	460	U	NA	NA	NA	NA
Acetophenone	460	U	NA	NA	NA	NA
Anthracene	460	U	NA	NA	NA	NA
Atrazine	460	U	NA	NA	NA	NA
Benzaldehyde	52	J	NA	NA	NA	NA
Benzo(a)anthracene	120	J	NA	NA	NA	NA
Benzo(a)pyrene	140	J	NA	NA	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-420-01		RES-SS-11-420-02	RES-SS-11-420-03	RES-SS-DU-111799E	RES-SS-11-420-03-MAX
Sample Location	RES-11-420-01		RES-11-420-02	RES-11-420-03	RES-11-420-03	RES-11-420-03
Interval	0.0-1.0		0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
Date Sampled	11/17/99		11/17/99	11/17/99	11/17/99	11/17/99
QC Identifier	None		None	Field Dup RES-SS-11-420-03	Field Dup RES-SS-11-420-03	Field Dup RES-SS-11-420-03
Benzo(b)fluoranthene	170	J	NA	NA	NA	NA
Benzo(g,h,i)perylene	460	U	NA	NA	NA	NA
Benzo(k)fluoranthene	190	J	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	460	U	NA	NA	NA	NA
Bis(2-Chloroethyl)ether	460	U	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	460	U	NA	NA	NA	NA
Butylbenzylphthalate	460	U	NA	NA	NA	NA
Caprolactam	460	U	NA	NA	NA	NA
Carbazole	460	U	NA	NA	NA	NA
Chrysene	150	J	NA	NA	NA	NA
Di-n-Butylphthalate	460	U	NA	NA	NA	NA
Di-n-octylphthalate	460	U	NA	NA	NA	NA
Dibenzo(a,h)anthracene	460	U	NA	NA	NA	NA
Dibenzofuran	460	U	NA	NA	NA	NA
Diethylphthalate	460	U	NA	NA	NA	NA
Dimethylphthalate	460	U	NA	NA	NA	NA
Fluoranthene	260	J	NA	NA	NA	NA
Fluorene	460	U	NA	NA	NA	NA
Hexachlorobenzene	460	U	NA	NA	NA	NA
Hexachlorobutadiene	460	U	NA	NA	NA	NA
Hexachlorocyclopentadiene	460	U	NA	NA	NA	NA
Hexachloroethane	460	U	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	460	U	NA	NA	NA	NA
Isophorone	460	U	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	460	U	NA	NA	NA	NA
N-Nitroso-diphenylamine	460	U	NA	NA	NA	NA
Naphthalene	460	U	NA	NA	NA	NA
Nitrobenzene	460	U	NA	NA	NA	NA
Pentachlorophenol	1100	U	NA	NA	NA	NA
Phenanthrene	91	J	NA	NA	NA	NA
Phenol	460	U	NA	NA	NA	NA
Pyrene	200	J	NA	NA	NA	NA
Total PAH	170		NA	NA	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-420-01		RES-SS-11-420-02	RES-SS-11-420-03	RES-SS-DU-111799E	RES-SS-11-420-03-MAX
Sample Location	RES-11-420-01		RES-11-420-02	RES-11-420-03	RES-11-420-03	RES-11-420-03
Interval	0 0-1 0		0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0
Date Sampled	11/17/99		11/17/99	11/17/99	11/17/99	11/17/99
QC Identifier	None		None	Field Dup. RES-SS-11-420-03	Field Dup. RES-SS-11-420-03	Field Dup. RES-SS-11-420-03
Pesticide/PCB Analysis (UG/KG)	AQC18					
4,4'-DDD	4.6	U	NA	NA	NA	NA
4,4'-DDE	4.9		NA	NA	NA	NA
4,4'-DDT	4.6	U	NA	NA	NA	NA
Aldrin	2.4	UJ	NA	NA	NA	NA
alpha-BHC	2.4	U	NA	NA	NA	NA
alpha-Chlordane	2.4	U	NA	NA	NA	NA
Aroclor, Total	93	U	NA	NA	NA	NA
Aroclor-1016	46	U	NA	NA	NA	NA
Aroclor-1221	93	U	NA	NA	NA	NA
Aroclor-1232	46	U	NA	NA	NA	NA
Aroclor-1242	46	U	NA	NA	NA	NA
Aroclor-1248	46	U	NA	NA	NA	NA
Aroclor-1254	46	U	NA	NA	NA	NA
Aroclor-1260	46	U	NA	NA	NA	NA
beta-BHC	2.4	U	NA	NA	NA	NA
delta-BHC	2.4	U	NA	NA	NA	NA
Dieldrin	4.6	UJ	NA	NA	NA	NA
Endosulfan I	2.4	U	NA	NA	NA	NA
Endosulfan II	4.6	U	NA	NA	NA	NA
Endosulfan Sulfate	4.6	U	NA	NA	NA	NA
Endrin	4.6	UJ	NA	NA	NA	NA
Endrin Aldehyde	4.6	U	NA	NA	NA	NA
Endrin Ketone	4.6	U	NA	NA	NA	NA
gamma-BHC	2.4	UJ	NA	NA	NA	NA
gamma-Chlordane	2.4	U	NA	NA	NA	NA
Heptachlor	2.4	UJ	NA	NA	NA	NA
Heptachlor Epoxide	2.4	U	NA	NA	NA	NA
Methoxychlor	24	U	NA	NA	NA	NA
Toxaphene	240	U	NA	NA	NA	NA

Summary of Sediment/Soil Analytical Results
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Sample Number	RES-SS-11-420-01		RES-SS-11-420-02		RES-SS-11-420-03		RES-SS-DU-111799E		RES-SS-11-420-03 MAX	
Sample Location	RES-11-420-01		RES-11-420-02		RES-11-420-03		RES-11-420-03		RES-11-420-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99		11/17/99	
QC Identifier	None		None		Field Dup RES-SS-11-420-03		Field Dup RES-SS-11-420-03		Field Dup RES-SS-11-420-03	
Dioxin Analysis (NG/KG)	D01393		D01394		D01395		D01391		D01395	
1,2,3,4,6,7,8-HpCDD	18 0		102		18 7	EB	16 5		16 5	
1,2,3,4,6,7,8-HpCDF	5 6	U	25 5		7 3		6 8	U	7 3	
1,2,3,4,7,8,9-HpCDF	0 36	EMPC	1 2	JEB	0 40	U	0 72	JEB	0 40	U
1,2,3,4,7,8-HxCDD	0 44	JEB	1 6	JEB	0 30	U	0 46	JEB	0 30	U
1,2,3,4,7,8-HxCDF	1 2	U	2 6	U	2 2	J	2 2	U	2 2	U
1,2,3,6,7,8-HxCDD	1 3	U	4 6	U	1 1	J	1 5	U	1 5	U
1,2,3,6,7,8-HxCDF	0 52	U	1 4	EMPC	1 0	JEB	1 0	U	1 0	U
1,2,3,7,8,9-HxCDD	1 3	U	4 2	U	1 2	JEB	1 5	U	1 5	U
1,2,3,7,8,9-HxCDF	0 06	U	0 20	U	0 30	U	0 10	U	0 30	U
1,2,3,7,8-PeCDD	0 36	J	0 93	J	0 30	U	0 63	J	0 30	U
1,2,3,7,8-PeCDF	0 57	JEB	1 3	JEB	0 46	EMPC	1 6	JEB	1 6	
1,2,4,5,7,8-hexachloro(9H)xanthene	0 66	J	0 59	J	0 00	U	0 00	U		NA
2,3,4,6,7,8-HxCDF	0 69	JEB	2 1	JEB	1 7	JEB	1 7	JEB	1 7	
2,3,4,7,8-PeCDF	0 54	EMPC	1 0	U	1 3	JEB	1 4	U	1 4	U
2,3,7,8-TCDD	10 0	EB	2 4	EB	0 30	U	0 32	JEB	0 30	U
2,3,7,8-TCDF	1 1	UJ	1 5	UJ	2 7	EB	2 9	UJ	2 7	
OCDD	112	J	1400		126		117	J	126	
OCDF	9 6	JEB	58 9	EB	11 5	EB	10 4	JEB	11 5	
Total HpCDD	36 7	UJ	199	J	40 0	JEB	37 0	UJ	40 0	
Total HpCDF	13 3	EMPC	65 8	J	13 6	J	14 7	EMPC	14 7	
Total HxCDD	11 5	UJ	0 00	UJ	10 3	J	12 7	UJ	10 3	
Total HxCDF	9 1	EMPC	30 3	J	14 8	JEB	15 2	EMPC	15 2	
Total PeCDD	5 1	EMPC	10 0	EMPC	2 3	J	6 9	EMPC	6 9	
Total PeCDF	8 7	EMPC	14 5	EMPC	17 7	JEB	21 2	EMPC	21 2	
Total TCDD	11 8	EMPC	5 0	EMPC	1 9	JEB	4 0	EMPC	4 0	
Total TCDF	8 2	EMPC	0 00	UJ	8 9	JEB	6 0	UJ	8 9	
Toxicity Equivalency	11 3		6 2		2 3		2 3		2 3	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-420-01		RES-SS-11-420-02	RES-SS-11-420-03	RES-SS-DU-111799E	RES-SS-11-420-03-MAX
Sample Location	RES-11-420-01		RES-11-420-02	RES-11-420-03	RES-11-420-03	RES 11-420-03
Interval	0 0-1 0		0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0
Date Sampled	11/17/99		11/17/99	11/17/99	11/17/99	11/17/99
QC Identifier	None		None	Field Dup RES-SS-11-420-03	Field Dup RES SS 11 420 03	Field Dup RES-SS-11-420-03
TAL Metal Analysis (MG/KG)	MALJ69					
Aluminum	5070		NA	NA	NA	NA
Antimony	1 5	U	NA	NA	NA	NA
Arsenic	6 7		NA	NA	NA	NA
Barium	37 0		NA	NA	NA	NA
Beryllium	0 29	U	NA	NA	NA	NA
Cadmium	0 29	U	NA	NA	NA	NA
Calcium	1250		NA	NA	NA	NA
Chromium	9 6		NA	NA	NA	NA
Cobalt	2 9		NA	NA	NA	NA
Copper	20 0		NA	NA	NA	NA
Iron	12000		NA	NA	NA	NA
Lead	99 3		NA	NA	NA	NA
Magnesium	1190		NA	NA	NA	NA
Manganese	129		NA	NA	NA	NA
Mercury	0 15	U	NA	NA	NA	NA
Nickel	5 5		NA	NA	NA	NA
Potassium	396		NA	NA	NA	NA
Selenium	1 5	U	NA	NA	NA	NA
Silver	0 47	UJ	NA	NA	NA	NA
Sodium	151		NA	NA	NA	NA
Thallium	2 0	UJ	NA	NA	NA	NA
Vanadium	12 3		NA	NA	NA	NA
Zinc	68 1		NA	NA	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-420-04	RES-SS-11-422-01	RES-SS-11-422-02	RES-SS-11-422-03	RES-SS-11-423-01	RES-SS-11-423-02
Sample Location	RES-11-420-04	RES-11-422-01	RES-11-422-02	RES-11-422-03	RES-11-423-01	RES 11-423-02
Interval	0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0
Date Sampled	11/17/99	11/17/99	11/17/99	11/17/99	11/16/99	11/16/99
QC Identifier	None	None	None	None	None	None
Semivolatile Organic Analysis (UG/KG)		AQC19			AQC06	
1,1'-Biphenyl	NA	470 U	NA	NA	410 U	NA
2,2'-oxybis(1-Chloropropane)	NA	470 U	NA	NA	410 U	NA
2,4,5-Trichlorophenol	NA	1200 U	NA	NA	1000 U	NA
2,4,6-Trichlorophenol	NA	470 U	NA	NA	410 U	NA
2,4-Dichlorophenol	NA	470 U	NA	NA	410 U	NA
2,4-Dimethylphenol	NA	470 U	NA	NA	410 U	NA
2,4-Dinitrophenol	NA	1200 U	NA	NA	1000 UJ	NA
2,4-Dinitrotoluene	NA	470 U	NA	NA	410 U	NA
2,6-Dinitrotoluene	NA	470 U	NA	NA	410 U	NA
2-Chloronaphthalene	NA	470 U	NA	NA	410 U	NA
2-Chlorophenol	NA	470 U	NA	NA	410 U	NA
2-Methylnaphthalene	NA	470 U	NA	NA	410 U	NA
2-Methylphenol	NA	470 U	NA	NA	410 U	NA
2-Nitroaniline	NA	1200 U	NA	NA	1000 U	NA
2-Nitrophenol	NA	470 U	NA	NA	410 U	NA
3,3'-Dichlorobenzidine	NA	470 U	NA	NA	410 U	NA
3-Nitroaniline	NA	1200 U	NA	NA	1000 U	NA
4,6-Dinitro-2-methylphenol	NA	1200 U	NA	NA	1000 U	NA
4-Bromophenyl-phenylether	NA	470 U	NA	NA	410 U	NA
4-Chloro-3-methylphenol	NA	470 U	NA	NA	410 U	NA
4-Chloroaniline	NA	470 U	NA	NA	410 U	NA
4-Chlorophenyl-phenylether	NA	470 U	NA	NA	410 U	NA
4-Methylphenol	NA	470 U	NA	NA	410 U	NA
4-Nitroaniline	NA	1200 U	NA	NA	1000 U	NA
4-Nitrophenol	NA	1200 U	NA	NA	1000 U	NA
Acenaphthene	NA	470 U	NA	NA	410 U	NA
Acenaphthylene	NA	470 U	NA	NA	410 U	NA
Acetophenone	NA	470 U	NA	NA	410 U	NA
Anthracene	NA	470 U	NA	NA	410 U	NA
Atrazine	NA	470 U	NA	NA	410 U	NA
Benzaldehyde	NA	280 J	NA	NA	410 U	NA
Benzo(a)anthracene	NA	92 J	NA	NA	410 U	NA
Benzo(a)pyrene	NA	120 J	NA	NA	410 U	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-420-04			RES-SS-11-422-01			RES-SS-11-422-02			RES-SS-11-422-03			RES-SS-11-423-01			RES-SS-11-423-02		
Sample Location	RES-11-420-04			RES-11-422-01			RES-11-422-02			RES-11-422-03			RES-11-423-01			RES-11-423-02		
Interval	0 0-1 0			0 0-1 0			0 0-1 0			0 0-1 0			0 0-1 0			0 0-1 0		
Date Sampled	11/17/99			11/17/99			11/17/99			11/17/99			11/16/99			11/16/99		
QC Identifier	None			None			None			None			None			None		
Benzo(b)fluoranthene		NA	200	J		NA		NA	410	U		NA						
Benzo(g,h,i)perylene		NA	470	U		NA		NA	410	U		NA						
Benzo(k)fluoranthene		NA	130	J		NA		NA	410	U		NA						
Bis(2-Chloroethoxy)methane		NA	470	U		NA		NA	410	U		NA						
Bis(2-Chloroethyl)ether		NA	470	U		NA		NA	410	U		NA						
bis(2-Ethylhexyl)phthalate		NA	600	U		NA		NA	1400	EB		NA						
Butylbenzylphthalate		NA	470	U		NA		NA	410	U		NA						
Caprolactam		NA	470	U		NA		NA	410	U		NA						
Carbazole		NA	470	U		NA		NA	410	U		NA						
Chrysene		NA	140	J		NA		NA	410	U		NA						
Di-n-Butylphthalate		NA	470	U		NA		NA	410	U		NA						
Di-n-octylphthalate		NA	470	U		NA		NA	410	U		NA						
Dibenzo(a,h)anthracene		NA	470	U		NA		NA	410	U		NA						
Dibenzofuran		NA	470	U		NA		NA	410	U		NA						
Diethylphthalate		NA	470	U		NA		NA	410	U		NA						
Dimethylphthalate		NA	470	U		NA		NA	410	U		NA						
Fluoranthene		NA	240	J		NA		NA	410	U		NA						
Fluorene		NA	470	U		NA		NA	410	U		NA						
Hexachlorobenzene		NA	470	U		NA		NA	410	U		NA						
Hexachlorobutadiene		NA	470	U		NA		NA	410	U		NA						
Hexachlorocyclopentadiene		NA	470	U		NA		NA	410	U		NA						
Hexachloroethane		NA	470	U		NA		NA	410	U		NA						
Indeno(1,2,3-cd)pyrene		NA	470	U		NA		NA	410	U		NA						
Isophorone		NA	470	U		NA		NA	410	U		NA						
N-Nitroso-di-n-propylamine		NA	470	U		NA		NA	410	U		NA						
N-Nitroso-diphenylamine		NA	470	U		NA		NA	410	U		NA						
Naphthalene		NA	470	U		NA		NA	410	U		NA						
Nitrobenzene		NA	470	U		NA		NA	410	U		NA						
Pentachlorophenol		NA	1200	U		NA		NA	1000	U		NA						
Phenanthrene		NA	110	J		NA		NA	410	U		NA						
Phenol		NA	470	U		NA		NA	410	U		NA						
Pyrene		NA	170	J		NA		NA	410	U		NA						
Total PAH		NA	150			NA		NA	410	U		NA						

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-420-04		RES-SS-11-422-01		RES-SS-11-422-02	RES-SS-11-422-03	RES-SS-11-423-01		RES-SS-11-423-02
Sample Location	RES-11-420-04		RES-11-422-01		RES-11-422-02	RES-11-422-03	RES 11-423-01		RES 11 423 02
Interval	0 0-1 0		0 0-1 0		0 0-1 0	0 0-1 0	0 0-1 0		0 0 1 0
Date Sampled	11/17/99		11/17/99		11/17/99	11/17/99	11/16/99		11/16/99
QC Identifier	None		None		None	None	None		None
Pesticide/PCB Analysis (UG/KG)				AQC19				AQC06	
4,4'-DDD	NA	4 7	U	NA		NA	4 1	U	NA
4,4'-DDE	NA	4 7	U	NA		NA	4 1	U	NA
4,4'-DDT	NA	4 7	U	NA		NA	4 1	U	NA
Aldrin	NA	2 4	U	NA		NA	2 1	U	NA
alpha-BHC	NA	2 4	U	NA		NA	2 1	U	NA
alpha-Chlordane	NA	2 4	U	NA		NA	2 1	U	NA
Aroclor, Total	NA	95	U	NA		NA	83	U	NA
Aroclor-1016	NA	47	U	NA		NA	41	U	NA
Aroclor-1221	NA	95	U	NA		NA	83	U	NA
Aroclor-1232	NA	47	U	NA		NA	41	U	NA
Aroclor-1242	NA	47	U	NA		NA	41	U	NA
Aroclor-1248	NA	47	U	NA		NA	41	U	NA
Aroclor-1254	NA	47	U	NA		NA	41	U	NA
Aroclor-1260	NA	47	U	NA		NA	41	U	NA
beta-BHC	NA	2 4	U	NA		NA	2 1	U	NA
delta-BHC	NA	2 4	U	NA		NA	2 1	U	NA
Dieldrin	NA	4 7	U	NA		NA	4 1	U	NA
Endosulfan I	NA	2 4	U	NA		NA	2 1	U	NA
Endosulfan II	NA	4 7	U	NA		NA	4 1	U	NA
Endosulfan Sulfate	NA	4 7	U	NA		NA	4 1	U	NA
Endrin	NA	4 7	U	NA		NA	4 1	U	NA
Endrin Aldehyde	NA	4 7	U	NA		NA	4 1	U	NA
Endrin Ketone	NA	4 7	U	NA		NA	4 1	U	NA
gamma-BHC	NA	2 4	U	NA		NA	2 1	U	NA
gamma-Chlordane	NA	2 4	U	NA		NA	2 1	U	NA
Heptachlor	NA	2 4	U	NA		NA	2 1	U	NA
Heptachlor Epoxide	NA	2 4	U	NA		NA	2 1	U	NA
Methoxychlor	NA	24	U	NA		NA	21	U	NA
Toxaphene	NA	240	U	NA		NA	210	U	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-420-04		RES-SS-11-422-01		RES-SS-11-422-02		RES-SS-11-422-03		RES-SS-11-423-01		RES-SS-11-423-02	
Sample Location	RES-11-420-04		RES-11-422-01		RES-11-422-02		RES-11-422-03		RES-11-423-01		RES-11-423-02	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99		11/16/99		11/16/99	
QC Identifier	None		None		None		None		None		None	
Dioxin Analysis (NG/KG)	D01396		D01399		D01400		D01406		D01085		D01091	
1,2,3,4,6,7,8-HpCDD	236	EB	50.1	EB	25.4	EB	18.9	EB	5.2		4.0	J
1,2,3,4,6,7,8-HpCDF	68.2		11.3		7.2		5.8		1.9	U	1.3	U
1,2,3,4,7,8,9-HpCDF	4.3	JEB	0.91	JEB	0.40	U	0.60	JEB	0.70	U	0.40	U
1,2,3,4,7,8-HxCDD	5.1		0.78	J	0.43	J	0.60	U	0.60	U	0.30	U
1,2,3,4,7,8-HxCDF	8.1		2.1	J	1.7	J	1.6	J	0.40	U	0.47	U
1,2,3,6,7,8-HxCDD	11.7		2.4	J	1.3	J	1.0	J	0.50	U	0.33	U
1,2,3,6,7,8-HxCDF	4.0	JEB	0.96	JEB	0.63	JEB	0.58	JEB	0.40	U	0.24	U
1,2,3,7,8,9-HxCDD	11.1	EB	2.0	JEB	1.2	JEB	0.88	JEB	0.50	U	0.30	U
1,2,3,7,8,9-HxCDF	0.40	U	0.30	U	0.20	UJ	0.40	U	0.40	U	0.30	U
1,2,3,7,8-PeCDD	2.6	J	0.30	U	0.50	J	0.60	U	0.50	U	0.30	U
1,2,3,7,8-PeCDF	2.7	JEB	0.97	JEB	0.85	JEB	0.40	U	0.30	U	0.20	U
1,2,4,5,7,8-hexachloro(9H)xanthene	2.65	J	2.99	J	0.95	J	0.00	U	0.00	U	0.00	U
2,3,4,6,7,8-HxCDF	5.1	EB	1.3	JEB	0.87	JEB	0.72	JEB	0.40	U	0.29	U
2,3,4,7,8-PeCDF	3.3	JEB	0.96	JEB	0.77	JEB	0.40	U	0.30	U	0.20	U
2,3,7,8-TCDD	103	EB	37.6	EB	4.8	EB	3.1	EB	13.1	EB	0.43	JEB
2,3,7,8-TCDF	8.1	EB	1.7	EB	1.4	EB	1.2	EB	0.46	U	0.20	U
OCDD	1540		372		210		194		39.7		64.0	
OCDF	168	EB	21.9	EB	13.3	EB	8.6	JEB	2.5	JEB	1.3	EMPC
Total HpCDD	431	JEB	107	JEB	63.2	JEB	53.4	JEB	11.8	J	9.3	UJ
Total HpCDF	189	J	27.8	J	15.7	J	13.2	J	3.5	UJ	2.3	UJ
Total HxCDD	88.9	J	19.5	J	11.1	J	9.3	J	1.0	UJ	2.0	UJ
Total HxCDF	82.6	JEB	17.1	JEB	12.2	JEB	9.7	JEB	2.3	UJ	2.9	UJ
Total PeCDD	19.1	J	2.6	J	3.0	J	0.95	EMPC	0.50	UJ	0.30	UJ
Total PeCDF	46.9	JEB	9.8	JEB	8.8	JEB	2.4	JEB	0.99	EMPC	2.6	EMPC
Total TCDD	113	JEB	39.7	JEB	7.5	JEB	3.1	JEB	13.6	J	0.43	UJ
Total TCDF	60.5	JEB	9.3	JEB	8.5	JEB	3.5	JEB	1.4	EMPC	0.49	UJ
Toxicity Equivalency	116		40.1		6.8		4.4		13.7		0.81	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-420-04	RES-SS-11-422-01		RES-SS-11-422-02		RES-SS-11-422-03	RES-SS-11-423-01		RES-SS-11-423-02	
Sample Location	RES-11-420-04	RES-11-422-01		RES-11-422-02		RES-11-422-03	RES-11-423-01		RES-11-423-02	
Interval	0 0-1 0	0 0-1 0		0 0-1 0		0 0-1 0	0 0-1 0		0 0-1 0	
Date Sampled	11/17/99	11/17/99		11/17/99		11/17/99	11/16/99		11/16/99	
QC Identifier	None	None		None		None	None		None	
TAL Metal Analysis (MG/KG)		MALJ70					MALJ57			
Aluminum	NA	5700		NA		NA	2930		NA	
Antimony	NA	1 8	U	NA		NA	1 3	U	NA	
Arsenic	NA	6 6		NA		NA	1 7	J	NA	
Barium	NA	47 4		NA		NA	19 6		NA	
Beryllium	NA	0 36	U	NA		NA	0 26	U	NA	
Cadmium	NA	0 36	U	NA		NA	0 26	U	NA	
Calcium	NA	5070		NA		NA	1070		NA	
Chromium	NA	20 6		NA		NA	4 6		NA	
Cobalt	NA	3 8		NA		NA	2 3		NA	
Copper	NA	18 8		NA		NA	7 3	U	NA	
Iron	NA	12200		NA		NA	5350		NA	
Lead	NA	52 3		NA		NA	11 7		NA	
Magnesium	NA	1570		NA		NA	918		NA	
Manganese	NA	369		NA		NA	84 7		NA	
Mercury	NA	0 18	U	NA		NA	0 12	U	NA	
Nickel	NA	15 9		NA		NA	3 2		NA	
Potassium	NA	381		NA		NA	452		NA	
Selenium	NA	1 8	U	NA		NA	1 3	U	NA	
Silver	NA	0 58	U	NA		NA	0 26	U	NA	
Sodium	NA	239		NA		NA	105	U	NA	
Thallium	NA	2 5	UJ	NA		NA	1 8	UJ	NA	
Vanadium	NA	13 2		NA		NA	5 9		NA	
Zinc	NA	74 5		NA		NA	17 9		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-423-03		RES-SS-11-424-01		RES-SS-11-424-02		RES-SS-11-424-03		RES-SS-11-425-01	
Sample Location	RES-11-423-03		RES-11-424-01		RES-11-424-02		RES-11-424-03		RES-11-425-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/17/99	
QC Identifier	None		None		None		None		Field Dup RES-SS 11-425-01	
Semivolatile Organic Analysis (UG/KG)			AQC01						AQC09	
1,1'-Biphenyl		NA	110000	U		NA		NA	460	U
2,2'-oxybis(1-Chloropropane)		NA	110000	UJ		NA		NA	460	UJ
2,4,5-Trichlorophenol		NA	280000	U		NA		NA	1200	U
2,4,6-Trichlorophenol		NA	110000	U		NA		NA	460	U
2,4-Dichlorophenol		NA	110000	U		NA		NA	460	U
2,4-Dimethylphenol		NA	110000	U		NA		NA	460	U
2,4-Dinitrophenol		NA	280000	UJ		NA		NA	1200	UJ
2,4-Dinitrotoluene		NA	110000	U		NA		NA	460	U
2,6-Dinitrotoluene		NA	110000	U		NA		NA	460	U
2-Chloronaphthalene		NA	110000	U		NA		NA	460	U
2-Chlorophenol		NA	110000	U		NA		NA	460	U
2-Methylnaphthalene		NA	110000	U		NA		NA	460	U
2-Methylphenol		NA	110000	U		NA		NA	460	U
2-Nitroaniline		NA	280000	UJ		NA		NA	1200	UJ
2-Nitrophenol		NA	110000	U		NA		NA	460	U
3,3'-Dichlorobenzidine		NA	110000	U		NA		NA	460	U
3-Nitroaniline		NA	280000	U		NA		NA	1200	U
4,6-Dinitro-2-methylphenol		NA	280000	U		NA		NA	1200	U
4-Bromophenyl-phenylether		NA	110000	U		NA		NA	460	U
4-Chloro-3-methylphenol		NA	110000	U		NA		NA	460	U
4-Chloroaniline		NA	110000	U		NA		NA	460	U
4-Chlorophenyl-phenylether		NA	110000	U		NA		NA	460	U
4-Methylphenol		NA	110000	U		NA		NA	460	U
4-Nitroaniline		NA	280000	U		NA		NA	1200	U
4-Nitrophenol		NA	280000	UJ		NA		NA	1200	U
Acenaphthene		NA	14000	J		NA		NA	460	UJ
Acenaphthylene		NA	110000	U		NA		NA	460	U
Acetophenone		NA	110000	U		NA		NA	460	U
Anthracene		NA	40000	J		NA		NA	72	J
Atrazine		NA	110000	U		NA		NA	460	U
Benzaldehyde		NA	110000	UJ		NA		NA	460	UJ
Benzo(a)anthracene		NA	140000			NA		NA	290	J
Benzo(a)pyrene		NA	110000	J		NA		NA	230	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-423-03			RES-SS-11-424-01			RES-SS-11-424-02			RES-SS-11-424-03			RES-SS-11-425-01		
Sample Location	RES-11-423-03			RES-11-424-01			RES-11-424-02			RES-11-424-03			RES-11-425-01		
Interval	0 0-1 0			0 0-1 0			0 0-1 0			0 0-1 0			0 0-1 0		
Date Sampled	11/16/99			11/16/99			11/16/99			11/16/99			11/17/99		
QC Identifier	None			None			None			None			Field Dup RES-SS-11-425-01		
Benzo(b)fluoranthene		NA	120000					NA			NA	230	J
Benzo(g,h,i)perylene		NA	58000	J				NA			NA	160	J
Benzo(k)fluoranthene		NA	100000	J				NA			NA	300	J
Bis(2-Chloroethoxy)methane		NA	110000	U				NA			NA	460	U
Bis(2-Chloroethyl)ether		NA	110000	UJ				NA			NA	460	UJ
bis(2-Ethylhexyl)phthalate		NA	110000	U				NA			NA	840	EB
Butylbenzylphthalate		NA	110000	U				NA			NA	460	U
Caprolactam		NA	110000	U				NA			NA	460	U
Carbazole		NA	26000	J				NA			NA	460	U
Chrysene		NA	150000					NA			NA	300	J
Di-n-Butylphthalate		NA	110000	U				NA			NA	460	U
Di-n-octylphthalate		NA	110000	U				NA			NA	460	U
Dibenzo(a,h)anthracene		NA	26000	J				NA			NA	460	U
Dibenzofuran		NA	110000	U				NA			NA	460	U
Diethylphthalate		NA	110000	U				NA			NA	460	U
Dimethylphthalate		NA	110000	U				NA			NA	460	U
Fluoranthene		NA	300000	J				NA			NA	560	
Fluorene		NA	16000	J				NA			NA	460	U
Hexachlorobenzene		NA	110000	U				NA			NA	460	U
Hexachlorobutadiene		NA	110000	U				NA			NA	460	U
Hexachlorocyclopentadiene		NA	110000	U				NA			NA	460	U
Hexachloroethane		NA	110000	U				NA			NA	460	U
Indeno(1,2,3-cd)pyrene		NA	56000	J				NA			NA	150	J
Isophorone		NA	110000	U				NA			NA	460	U
N-Nitroso-di-n-propylamine		NA	110000	UJ				NA			NA	460	UJ
N-Nitroso-diphenylamine		NA	110000	U				NA			NA	460	U
Naphthalene		NA	110000	U				NA			NA	460	U
Nitrobenzene		NA	110000	UJ				NA			NA	460	UJ
Pentachlorophenol		NA	280000	U				NA			NA	1200	U
Phenanthrene		NA	180000	J				NA			NA	340	J
Phenol		NA	110000	U				NA			NA	460	U
Pyrene		NA	280000	J				NA			NA	580	
Total PAH		NA	170000					NA			NA	300	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-423-03		RES-SS-11-424-01		RES-SS-11-424-02	RES-SS-11-424-03	RES-SS-11-425-01	
Sample Location	RES-11-423-03		RES-11-424-01		RES-11-424-02	RES-11-424-03	RES 11-425-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0	0 0-1 0	0 0-1 0	
Date Sampled	11/16/99		11/16/99		11/16/99	11/16/99	11/17/99	
QC Identifier	None		None		None	None	Field Dup RES SS 11-425-01	
Pesticide/PCB Analysis (UG/KG)			AQC01				AQC09	
4,4'-DDD	NA		4.1	U	NA	NA	4.7	U
4,4'-DDE	NA		22		NA	NA	4 7	U
4,4'-DDT	NA		6.1		NA	NA	4 7	U
Aldrin	NA		2 1	U	NA	NA	2 4	U
alpha-BHC	NA		2.1	U	NA	NA	2 4	U
alpha-Chlordane	NA		18		NA	NA	2 4	U
Aroclor, Total	NA		82	U	NA	NA	95	U
Aroclor-1016	NA		41	U	NA	NA	47	U
Aroclor-1221	NA		82	U	NA	NA	95	U
Aroclor-1232	NA		41	U	NA	NA	47	U
Aroclor-1242	NA		41	U	NA	NA	47	U
Aroclor-1248	NA		41	U	NA	NA	47	U
Aroclor-1254	NA		41	U	NA	NA	47	U
Aroclor-1260	NA		41	U	NA	NA	47	U
beta-BHC	NA		2.1	U	NA	NA	2 4	U
delta-BHC	NA		2.1	U	NA	NA	2 4	U
Dieldrin	NA		4 1	U	NA	NA	4 7	U
Endosulfan I	NA		2.1	U	NA	NA	2 4	U
Endosulfan II	NA		4 1	U	NA	NA	4 7	U
Endosulfan Sulfate	NA		18		NA	NA	4 7	U
Endrin	NA		4 1	U	NA	NA	4 7	U
Endrin Aldehyde	NA		4.1	U	NA	NA	4.7	U
Endrin Ketone	NA		60		NA	NA	4.7	U
gamma-BHC	NA		2.1	U	NA	NA	2 4	U
gamma-Chlordane	NA		2 1	U	NA	NA	2 4	U
Heptachlor	NA		2 1	U	NA	NA	2 4	U
Heptachlor Epoxide	NA		2 1	U	NA	NA	2 4	U
Methoxychlor	NA		21	U	NA	NA	24	U
Toxaphene	NA		210	U	NA	NA	240	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-423-03		RES-SS-11-424-01		RES-SS-11-424-02		RES-SS-11-424-03		RES-SS-11-425-01	
Sample Location	RES-11-423-03		RES-11-424-01		RES-11-424-02		RES 11-424-03		RES-11-425-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/17/99	
QC Identifier	None		None		None		None		Field Dup RES SS-11-425-01	
Dioxin Analysis (NG/KG)	D01087		D01076		D01077		D01079		D01080	
1,2,3,4,6,7,8-HpCDD	8.6		48.6		26.3		27.4		79.1	
1,2,3,4,6,7,8-HpCDF	2.5	U	40.0		41.8		11.5		18.9	
1,2,3,4,7,8,9-HpCDF	0.60	U	4.3	J	3.8	EMPC	0.50	U	1.3	JEB
1,2,3,4,7,8-HxCDD	0.40	U	1.8	J	1.2	J	0.41	EMPC	1.5	J
1,2,3,4,7,8-HxCDF	0.78	U	13.8		15.4		4.3	J	4.0	J
1,2,3,6,7,8-HxCDD	0.40	U	6.8		4.2	U	2.0	U	4.0	J
1,2,3,6,7,8-HxCDF	0.36	U	20.1	J	32.5	J	3.2	J	2.5	J
1,2,3,7,8,9-HxCDD	0.40	U	5.0		3.7	J	2.0	U	3.7	J
1,2,3,7,8,9-HxCDF	0.30	U	2.4	U	0.60	U	0.30	U	0.80	U
1,2,3,7,8-PeCDD	0.40	U	2.0	J	1.8	EMPC	0.30	U	1.2	J
1,2,3,7,8-PeCDF	0.20	U	1.1	U	3.7	J	0.20	U	2.0	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U	2.58	J	0.00	U	0.00	U	11.05	J
2,3,4,6,7,8-HxCDF	0.40	U	48.0		83.4		8.0		4.9	J
2,3,4,7,8-PeCDF	0.40	U	14.9		22.8		3.6	J	1.9	U
2,3,7,8-TCDD	0.31	EMPC	21.7		5.2		24.1		1490	EB$
2,3,7,8-TCDF	0.85	U	11.0		11.3		5.6	U	2.4	U
OCDD	80.2		174	J	114		124		480	
OCDF	4.9	JEB	18.5	J	11.5		8.7	J	27.6	EB
Total HpCDD	19.5	J	95.2	J	55.1	UJ	57.0	UJ	154	J
Total HpCDF	5.2	UJ	86.6	J	102	J	22.7	J	34.9	J
Total HxCDD	3.3	UJ	74.0	J	47.8	UJ	22.7	EMPC	30.8	UJ
Total HxCDF	4.3	EMPC	637	J	1180	J	84.7	J	58.2	J
Total PeCDD	1.4	EMPC	34.9	EMPC	26.8	EMPC	7.1	EMPC	6.7	EMPC
Total PeCDF	5.1	EMPC	690	J	1270	J	75.5	J	45.6	J
Total TCDD	2.0	EMPC	27.5	J	13.0	EMPC	27.0	J	1490	J$
Total TCDF	0.85	UJ	291	J	382	J	51.8	J	23.8	J
Toxicity Equivalency	0.92		42.9		34.3		28.5		1500	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-423-03		RES-SS-11-424-01		RES-SS-11-424-02	RES-SS-11-424-03	RES-SS-11-425-01	
Sample Location	RES-11-423-03		RES-11-424-01		RES-11-424-02	RES-11-424-03	RES-11-425-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0	0 0-1 0	0 0-1 0	
Date Sampled	11/16/99		11/16/99		11/16/99	11/16/99	11/17/99	
QC Identifier	None		None		None	None	Field Dup RES-SS-11-425 01	
TAL Metal Analysis (MG/KG)			MALJ52				MALJ60	
Aluminum		NA	3010		NA	NA	5120	
Antimony		NA	7 1		NA	NA	1 3	U
Arsenic		NA	2 9		NA	NA	2 6	J
Barium		NA	56 0		NA	NA	78 5	
Beryllium		NA	0 25	U	NA	NA	0 27	U
Cadmium		NA	0 71		NA	NA	0 38	J
Calcium		NA	1100		NA	NA	1060	
Chromium		NA	7 5		NA	NA	6 6	
Cobalt		NA	0 25	U	NA	NA	3 8	
Copper		NA	62 2		NA	NA	34 0	
Iron		NA	8220		NA	NA	11000	
Lead		NA	948		NA	NA	203	
Magnesium		NA	912		NA	NA	979	
Manganese		NA	141		NA	NA	130	
Mercury		NA	0 12	U	NA	NA	0 14	U
Nickel		NA	6 7		NA	NA	6 0	
Potassium		NA	468		NA	NA	502	
Selenium		NA	1 2	U	NA	NA	1 3	U
Silver		NA	1 4		NA	NA	0 64	U
Sodium		NA	132	U	NA	NA	136	U
Thallium		NA	1 7	UJ	NA	NA	1 9	UJ
Vanadium		NA	19 6		NA	NA	12 1	
Zinc		NA	116		NA	NA	107	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111799B		RES-SS-11-425-01-MAX		RES-SS-11-425-02		RES-SS-11-425-03	
Sample Location	RES-11-425-01		RES-11-425-01		RES-11-425-02		RES 11 425-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99	
QC Identifier	Field Dup RES-SS-11-425-01		Field Dup RES-SS-11-425-01		None		Field Dup RES-SS-11-425-03	
Semivolatile Organic Analysis (UG/KG)	AQC04		AQC09					
1,1'-Biphenyl	2400	U	2400	U	NA		NA	
2,2'-oxybis(1-Chloropropane)	2400	U	2400	U	NA		NA	
2,4,5-Trichlorophenol	6100	U	6100	U	NA		NA	
2,4,6-Trichlorophenol	2400	U	2400	U	NA		NA	
2,4-Dichlorophenol	2400	U	2400	U	NA		NA	
2,4-Dimethylphenol	2400	U	2400	U	NA		NA	
2,4-Dinitrophenol	6100	UJ	6100	U	NA		NA	
2,4-Dinitrotoluene	2400	U	2400	U	NA		NA	
2,6-Dinitrotoluene	2400	U	2400	U	NA		NA	
2-Chloronaphthalene	2400	U	2400	U	NA		NA	
2-Chlorophenol	2400	U	2400	U	NA		NA	
2-Methylnaphthalene	2400	U	2400	U	NA		NA	
2-Methylphenol	2400	U	2400	U	NA		NA	
2-Nitroaniline	6100	U	6100	U	NA		NA	
2-Nitrophenol	2400	U	2400	U	NA		NA	
3,3'-Dichlorobenzidine	2400	U	2400	U	NA		NA	
3-Nitroaniline	6100	U	6100	U	NA		NA	
4,6-Dinitro-2-methylphenol	6100	U	6100	U	NA		NA	
4-Bromophenyl-phenylether	2400	U	2400	U	NA		NA	
4-Chloro-3-methylphenol	2400	U	2400	U	NA		NA	
4-Chloroaniline	2400	U	2400	U	NA		NA	
4-Chlorophenyl-phenylether	2400	U	2400	U	NA		NA	
4-Methylphenol	2400	U	2400	U	NA		NA	
4-Nitroaniline	6100	U	6100	U	NA		NA	
4-Nitrophenol	6100	U	6100	U	NA		NA	
Acenaphthene	2400	U	2400	U	NA		NA	
Acenaphthylene	2400	U	2400	U	NA		NA	
Acetophenone	2400	U	2400	U	NA		NA	
Anthracene	100	J	100		NA		NA	
Atrazine	2400	U	2400	U	NA		NA	
Benzaldehyde	2400	U	2400	U	NA		NA	
Benzo(a)anthracene	300	J	300		NA		NA	
Benzo(a)pyrene	370	J	370		NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111799B		RES-SS-11-425-01-MAX		RES-SS-11-425-02		RES-SS-11-425-03	
Sample Location	RES-11-425-01		RES-11-425-01		RES-11-425-02		RES-11-425-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99	
QC Identifier	Field Dup. RES-SS-11-425-01		Field Dup. RES-SS-11-425-01		None		Field Dup. RES-SS-11-425-03	
Benzo(b)fluoranthene	300	J	300		NA		NA	
Benzo(g,h,i)perylene	270	J	270		NA		NA	
Benzo(k)fluoranthene	370	J	370		NA		NA	
Bis(2-Chloroethoxy)methane	2400	U	2400	U	NA		NA	
Bis(2-Chloroethyl)ether	2400	U	2400	U	NA		NA	
bis(2-Ethylhexyl)phthalate	770	JEB	840		NA		NA	
Butylbenzylphthalate	2400	U	2400	U	NA		NA	
Caprolactam	2400	U	2400	U	NA		NA	
Carbazole	2400	U	2400	U	NA		NA	
Chrysene	380	J	380		NA		NA	
Di-n-Butylphthalate	2400	U	2400	U	NA		NA	
Di-n-octylphthalate	2400	U	2400	U	NA		NA	
Dibenzo(a,h)anthracene	2400	U	2400	U	NA		NA	
Dibenzofuran	2400	U	2400	U	NA		NA	
Diethylphthalate	2400	U	2400	U	NA		NA	
Dimethylphthalate	2400	U	2400	U	NA		NA	
Fluoranthene	850	J	560		NA		NA	
Fluorene	2400	U	2400	U	NA		NA	
Hexachlorobenzene	2400	U	2400	U	NA		NA	
Hexachlorobutadiene	2400	U	2400	U	NA		NA	
Hexachlorocyclopentadiene	2400	U	2400	U	NA		NA	
Hexachloroethane	2400	U	2400	U	NA		NA	
Indeno(1,2,3-cd)pyrene	2400	U	2400	U	NA		NA	
Isophorone	2400	U	2400	U	NA		NA	
N-Nitroso-di-n-propylamine	2400	U	2400	U	NA		NA	
N-Nitroso-diphenylamine	2400	U	2400	U	NA		NA	
Naphthalene	2400	U	2400	U	NA		NA	
Nitrobenzene	2400	U	2400	U	NA		NA	
Pentachlorophenol	6100	U	6100	U	NA		NA	
Phenanthrene	430	J	430		NA		NA	
Phenol	2400	U	2400	U	NA		NA	
Pyrene	680	J	680		NA		NA	
Total PAH	430		430		NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111799B		RES-SS-11-425-01-MAX		RES-SS-11-425-02		RES-SS-11-425-03	
Sample Location	RES-11-425-01		RES-11-425-01		RES-11-425-02		RES-11-425-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99	
QC Identifier	Field Dup. RES-SS-11-425-01		Field Dup. RES-SS-11-425-01		None		Field Dup. RES-SS-11-425-03	
Pesticide/PCB Analysis (UG/KG)	AQC04		AQC04					
4,4'-DDD	4.8	U	4.8	U	NA		NA	
4,4'-DDE	4.8	U	4.8	U	NA		NA	
4,4'-DDT	4.8	U	4.8	U	NA		NA	
Aldrin	2.4	U	2.4	U	NA		NA	
alpha-BHC	2.4	U	2.4	U	NA		NA	
alpha-Chlordane	2.4	U	2.4	U	NA		NA	
Aroclor, Total	51		51		NA		NA	
Aroclor-1016	48	U	48	U	NA		NA	
Aroclor-1221	97	U	97	U	NA		NA	
Aroclor-1232	48	U	48	U	NA		NA	
Aroclor-1242	48	U	48	U	NA		NA	
Aroclor-1248	48	U	48	U	NA		NA	
Aroclor-1254	51		51		NA		NA	
Aroclor-1260	48	U	48	U	NA		NA	
beta-BHC	2.4	U	2.4	U	NA		NA	
delta-BHC	2.4	U	2.4	U	NA		NA	
Dieldrin	4.8	U	4.8	U	NA		NA	
Endosulfan I	2.4	U	2.4	U	NA		NA	
Endosulfan II	4.8	U	4.8	U	NA		NA	
Endosulfan Sulfate	4.8	U	4.8	U	NA		NA	
Endrin	4.8	U	4.8	U	NA		NA	
Endrin Aldehyde	4.8	U	4.8	U	NA		NA	
Endrin Ketone	4.8	U	4.8	U	NA		NA	
gamma-BHC	2.4	U	2.4	U	NA		NA	
gamma-Chlordane	2.4	U	2.4	U	NA		NA	
Heptachlor	2.4	U	2.4	U	NA		NA	
Heptachlor Epoxide	3.0		3.0		NA		NA	
Methoxychlor	24	U	24	U	NA		NA	
Toxaphene	240	U	240	U	NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111799B		RES-SS-11-425-01-MAX		RES-SS-11-425-02		RES-SS-11-425-03	
Sample Location	RES-11-425-01		RES-11-425-01		RES-11-425-02		RES-11-425-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99	
QC Identifier	Field Dup RES-SS-11-425-01		Field Dup RES-SS-11-425-01		None		Field Dup RES-SS-11-425-03	
Dioxin Analysis (NG/KG)			D01093		D01094		D01095	
1,2,3,4,6,7,8-HpCDD	NA		79.1		7.9		2 1	EMPC
1,2,3,4,6,7,8-HpCDF	NA		18 9		2.8	U	2 0	U
1,2,3,4,7,8,9-HpCDF	NA		1 3		0 30	U	0 30	U
1,2,3,4,7,8-HxCDD	NA		1 5		0 20	U	0 20	U
1,2,3,4,7,8-HxCDF	NA		4.0		0 82	U	1 0	U
1,2,3,6,7,8-HxCDD	NA		4.0		0.42	EMPC	0.26	U
1,2,3,6,7,8-HxCDF	NA		2.5		0 43	U	0.54	U
1,2,3,7,8,9-HxCDD	NA		3 7		0.45	U	0 20	U
1,2,3,7,8,9-HxCDF	NA		0.80	U	0.20	U	0.20	U
1,2,3,7,8-PeCDD	NA		1 2		0.20	U	0 20	U
1,2,3,7,8-PeCDF	NA		2.0		0.32	U	0.72	U
1,2,4,5,7,8-hexachloro(9H)xanthene	NA		11.05		0.00	U	0 00	U
2,3,4,6,7,8-HxCDF	NA		4.9		0.58	U	1.0	U
2,3,4,7,8-PeCDF	NA		1 9	U	0 39	U	0 58	U
2,3,7,8-TCDD	NA		1490		9.9	EB	0 68	JEB
2,3,7,8-TCDF	NA		2 4	U	0.73	EMPC	0.72	U
OCDD	NA		480		54 8		14 6	
OCDF	NA		27 6		3.6	JEB	1 5	JEB
Total HpCDD	NA		154		16 2	J	5 5	EMPC
Total HpCDF	NA		34 9		4 4	UJ	3 1	UJ
Total HxCDD	NA		30 8	U	4 4	EMPC	2 0	EMPC
Total HxCDF	NA		58 2		6 9	UJ	10 5	EMPC
Total PeCDD	NA		6 7		0 83	EMPC	0.45	UJ
Total PeCDF	NA		45.6		6 5	EMPC	10 6	EMPC
Total TCDD	NA		1490		9 9	UJ	0 96	EMPC
Total TCDF	NA		23 8		4 3	EMPC	8 7	EMPC
Toxicity Equivalency	NA		1500		10 5		1 2	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111799B		RES-SS-11-425-01-MAX		RES-SS-11-425-02		RES-SS-11-425-03	
Sample Location	RES-11-425-01		RES-11-425-01		RES-11-425-02		RES-11-425-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99	
QC Identifier	Field Dup RES-SS-11-425-01		Field Dup RES-SS-11-425-01		None		Field Dup RES-SS-11-425-03	
TAL Metal Analysis (MG/KG)	MALJ55		MALJ60					
Aluminum	5340		5440		NA		NA	
Antimony	1 4	U	1 4	U	NA		NA	
Arsenic	2 7	J	2 7		NA		NA	
Barium	65 1		78 5		NA		NA	
Beryllium	0 28	U	0 28	U	NA		NA	
Cadmium	0 28	U	0 28	U	NA		NA	
Calcium	1120		1120		NA		NA	
Chromium	7 0		7 0		NA		NA	
Cobalt	2 8		3 8		NA		NA	
Copper	21 8		34 0		NA		NA	
Iron	9810		11000		NA		NA	
Lead	151		203		NA		NA	
Magnesium	964		979		NA		NA	
Manganese	135		135		NA		NA	
Mercury	0 14	U	0 14	U	NA		NA	
Nickel	4 8		6 0		NA		NA	
Potassium	434		502		NA		NA	
Selenium	1 6	J	1 3	U	NA		NA	
Silver	0 48	UJ	0 64	U	NA		NA	
Sodium	139		139		NA		NA	
Thallium	1 9	UJ	1 9	U	NA		NA	
Vanadium	10 1		12 1		NA		NA	
Zinc	79 7		107		NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111799A		RES-SS-11-425-03-MAX		RES-SS-11-426-01		RES-SS-11-426-02		RES-SS-11-426-03	
Sample Location	RES-11-425-03		RES-11-425-03		RES-11-426-01		RES-11-426-02		RES-11-426-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99		11/17/99	
QC Identifier	Field Dup RES-SS-11-425-03		Field Dup RES-SS-11-425-03		None		None		None	
Semivolatile Organic Analysis (UG/KG)					AQC14					
1,1'-Biphenyl		NA		NA	370	U		NA		NA
2,2'-oxybis(1-Chloropropane)		NA		NA	370	U		NA		NA
2,4,5-Trichlorophenol		NA		NA	920	U		NA		NA
2,4,6-Trichlorophenol		NA		NA	370	U		NA		NA
2,4-Dichlorophenol		NA		NA	370	U		NA		NA
2,4-Dimethylphenol		NA		NA	370	U		NA		NA
2,4-Dinitrophenol		NA		NA	920	U		NA		NA
2,4-Dinitrotoluene		NA		NA	370	U		NA		NA
2,6-Dinitrotoluene		NA		NA	370	U		NA		NA
2-Chloronaphthalene		NA		NA	370	U		NA		NA
2-Chlorophenol		NA		NA	370	U		NA		NA
2-Methylnaphthalene		NA		NA	370	U		NA		NA
2-Methylphenol		NA		NA	370	U		NA		NA
2-Nitroaniline		NA		NA	920	U		NA		NA
2-Nitrophenol		NA		NA	370	U		NA		NA
3,3'-Dichlorobenzidine		NA		NA	370	U		NA		NA
3-Nitroaniline		NA		NA	920	U		NA		NA
4,6-Dinitro-2-methylphenol		NA		NA	920	U		NA		NA
4-Bromophenyl-phenylether		NA		NA	370	U		NA		NA
4-Chloro-3-methylphenol		NA		NA	370	U		NA		NA
4-Chloroaniline		NA		NA	370	U		NA		NA
4-Chlorophenyl-phenylether		NA		NA	370	U		NA		NA
4-Methylphenol		NA		NA	370	U		NA		NA
4-Nitroaniline		NA		NA	920	U		NA		NA
4-Nitrophenol		NA		NA	920	UJ		NA		NA
Acenaphthene		NA		NA	370	U		NA		NA
Acenaphthylene		NA		NA	370	U		NA		NA
Acetophenone		NA		NA	370	U		NA		NA
Anthracene		NA		NA	26	J		NA		NA
Atrazine		NA		NA	370	U		NA		NA
Benzaldehyde		NA		NA	370	U		NA		NA
Benzo(a)anthracene		NA		NA	96	J		NA		NA
Benzo(a)pyrene		NA		NA	120	J		NA		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111799A	RES-SS-11-425-03-MAX	RES-SS-11-426-01		RES-SS-11-426-02		RES-SS-11-426-03	
Sample Location	RES-11-425-03	RES-11-425-03	RES-11-426-01		RES-11-426-02		RES-11-426-03	
Interval	0.0-1.0	0.0-1.0	0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99	11/17/99	11/17/99		11/17/99		11/17/99	
QC Identifier	Field Dup RES-SS-11-425-03	Field Dup RES-SS-11-425-03	None		None		None	
Benzo(b)fluoranthene	NA	NA	140	J	NA		NA	
Benzo(g,h,i)perylene	NA	NA	94	J	NA		NA	
Benzo(k)fluoranthene	NA	NA	140	J	NA		NA	
Bis(2-Chloroethoxy)methane	NA	NA	370	U	NA		NA	
Bis(2-Chloroethyl)ether	NA	NA	370	U	NA		NA	
bis(2-Ethylhexyl)phthalate	NA	NA	200	JEB	NA		NA	
Butylbenzylphthalate	NA	NA	370	U	NA		NA	
Caprolactam	NA	NA	370	U	NA		NA	
Carbazole	NA	NA	370	U	NA		NA	
Chrysene	NA	NA	150	J	NA		NA	
Di-n-Butylphthalate	NA	NA	48	JEB	NA		NA	
Di-n-octylphthalate	NA	NA	370	U	NA		NA	
Dibenzo(a,h)anthracene	NA	NA	370	U	NA		NA	
Dibenzofuran	NA	NA	370	U	NA		NA	
Diethylphthalate	NA	NA	370	U	NA		NA	
Dimethylphthalate	NA	NA	370	U	NA		NA	
Fluoranthene	NA	NA	290	J	NA		NA	
Fluorene	NA	NA	370	U	NA		NA	
Hexachlorobenzene	NA	NA	370	U	NA		NA	
Hexachlorobutadiene	NA	NA	370	U	NA		NA	
Hexachlorocyclopentadiene	NA	NA	370	U	NA		NA	
Hexachloroethane	NA	NA	370	U	NA		NA	
Indeno(1,2,3-cd)pyrene	NA	NA	85	J	NA		NA	
Isophorone	NA	NA	370	U	NA		NA	
N-Nitroso-di-n-propylamine	NA	NA	370	U	NA		NA	
N-Nitroso-diphenylamine	NA	NA	370	U	NA		NA	
Naphthalene	NA	NA	370	U	NA		NA	
Nitrobenzene	NA	NA	370	U	NA		NA	
Pentachlorophenol	NA	NA	920	U	NA		NA	
Phenanthrene	NA	NA	120	J	NA		NA	
Phenol	NA	NA	370	U	NA		NA	
Pyrene	NA	NA	230	J	NA		NA	
Total PAH	NA	NA	150		NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111799A		RES-SS-11-425-03-MAX		RES-SS-11-426-01		RES-SS-11-426-02		RES-SS-11-426-03	
Sample Location	RES-11-425-03		RES-11-425-03		RES-11-426-01		RES-11-426-02		RES-11-426-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0 1 0		0 0 1 0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99		11/17/99	
QC Identifier	Field Dup RES-SS-11-425-03		Field Dup RES-SS-11-425-03		None		None		None	
Pesticide/PCB Analysis (UG/KG)										
4,4'-DDD					AQC14					
4,4'-DDE		NA		NA	3 7	U		NA		NA
4,4'-DDT		NA		NA	3.7	U		NA		NA
Aldrin		NA		NA	3 7	U		NA		NA
alpha-BHC		NA		NA	1 9	U		NA		NA
alpha-Chlordane		NA		NA	1.9	U		NA		NA
Aroclor, Total		NA		NA	6.5			NA		NA
Aroclor-1016		NA		NA	75	U		NA		NA
Aroclor-1221		NA		NA	37	U		NA		NA
Aroclor-1232		NA		NA	75	U		NA		NA
Aroclor-1242		NA		NA	37	U		NA		NA
Aroclor-1248		NA		NA	37	U		NA		NA
Aroclor-1254		NA		NA	37	U		NA		NA
Aroclor-1260		NA		NA	37	U		NA		NA
beta-BHC		NA		NA	37	U		NA		NA
delta-BHC		NA		NA	1 9	U		NA		NA
Dieldrin		NA		NA	1.9	U		NA		NA
Endosulfan I		NA		NA	3.7	U		NA		NA
Endosulfan II		NA		NA	1.9	U		NA		NA
Endosulfan Sulfate		NA		NA	3.7	U		NA		NA
Endrin		NA		NA	3.7	U		NA		NA
Endrin Aldehyde		NA		NA	3.7	U		NA		NA
Endrin Ketone		NA		NA	3.7	U		NA		NA
gamma-BHC		NA		NA	3.7	U		NA		NA
gamma-Chlordane		NA		NA	1.9	U		NA		NA
Heptachlor		NA		NA	3.9			NA		NA
Heptachlor Epoxide		NA		NA	1 9	U		NA		NA
Methoxychlor		NA		NA	1 9	U		NA		NA
Toxaphene		NA		NA	19	U		NA		NA
		NA		NA	190	U		NA		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111799A		RES-SS-11-425-03-MAX		RES-SS-11-426-01		RES-SS-11-426-02		RES-SS-11-426-03	
Sample Location	RES-11-425-03		RES-11-425-03		RES-11-426-01		RES-11-426-02		RES-11-426-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99		11/17/99	
QC Identifier	Field Dup RES-SS-11-425-03		Field Dup RES-SS-11-425-03		None		None		None	
Dioxin Analysis (NG/KG)	D01080		D01080		D01380		D01381		D01382	
1,2,3,4,6,7,8-HpCDD	2 5	EMPC	2 5		12 7	U	4 8	U	3 2	U
1,2,3,4,6,7,8-HpCDF	1 7	U	2 0	U	4 1	U	1 6	U	1 3	EMPC
1,2,3,4,7,8,9-HpCDF	0 70	U	0 70	U	0 40	U	0 50	U	0 40	U
1,2,3,4,7,8-HxCDD	0 50	U	0 50	U	0 30	U	0 30	U	0 30	U
1,2,3,4,7,8-HxCDF	0 71	U	1 0	U	0 93	U	0 87	U	0 71	EMPC
1,2,3,6,7,8-HxCDD	0 50	U	0 50	U	0 94	EMPC	0 73	EMPC	0 52	U
1,2,3,6,7,8-HxCDF	0 48	U	0 54	U	42 4	EMPC	0 20	U	0 32	EMPC
1,2,3,7,8,9-HxCDD	0 50	U	0 50	U	1 1	U	0 30	U	0 59	U
1,2,3,7,8,9-HxCDF	0 40	U	0 40	U	0 20	U	0 30	U	0 20	U
1,2,3,7,8-PeCDD	0 30	U	0 30	U	0 20	UJ	0 30	UJ	0 30	UJ
1,2,3,7,8-PeCDF	0 20	U	0 72	U	0 39	EMPC	0 30	U	0 20	U
1,2,4,5,7,8-hexachloro(9H)xanthene	0 00	U		NA	1 67	J	0 00	U	0 00	U
2,3,4,6,7,8-HxCDF	0 83	U	1 0	U	0 64	JEB	0 30	U	0 20	U
2,3,4,7,8-PeCDF	0 20	U	0 58	U	0 50	EMPC	0 75	U	0 42	EMPC
2,3,7,8-TCDD	1 9	EB	1 9		31 9	EB	1 3	EB	0 30	U
2,3,7,8-TCDF	0 70	U	0 72	U	1 1	UJ	0 82	EMPC	0 70	EMPC
OCDD	19 1		19 1		78 4		22 7	U	19 7	U
OCDF	1 6	JEB	1 6		6 9	JEB	1 7	EMPC	1 5	JEB
Total HpCDD	6 8	EMPC	6 8		29 5	UJ	10 1	UJ	7 0	EMPC
Total HpCDF	3 0	UJ	3 1	U	9 3	UJ	2 4	EMPC	1 8	EMPC
Total HxCDD	1 8	EMPC	2 0		8 2	EMPC	5 0	EMPC	4 5	EMPC
Total HxCDF	9 5	UJ	10 5		6 6	UJ	1 7	UJ	1 7	EMPC
Total PeCDD	7 7	EMPC	7 7		4 0	EMPC	0 30	UJ	1 6	EMPC
Total PeCDF	9 6	EMPC	10 6		5 2	EMPC	1 5	EMPC	1 7	EMPC
Total TCDD	2 4	UJ	0 96		33 3	J	1 7	EMPC	1 2	UJ
Total TCDF	6 2	EMPC	8 7		9 0	EMPC	1 2	EMPC	0 70	EMPC
Toxicity Equivalency	2 4		2 4		36 9		1 9		0 81	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111799A		RES-SS-11-425-03-MAX		RES-SS-11-426-01		RES-SS-11-426-02		RES-SS-11-426-03	
Sample Location	RES-11-425-03		RES-11-425-03		RES-11-426-01		RES-11-426-02		RES-11-426-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0 1 0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99		11/17/99	
QC Identifier	Field Dup. RES-SS-11-425-03		Field Dup. RES-SS-11-425-03		None		None		None	
TAL Metal Analysis (MG/KG)					MALJ65					
Aluminum		NA		NA	5450			NA		NA
Antimony		NA		NA	1.5	U		NA		NA
Arsenic		NA		NA	2 7	J		NA		NA
Barium		NA		NA	17 7			NA		NA
Beryllium		NA		NA	0 29	U		NA		NA
Cadmium		NA		NA	0 29	U		NA		NA
Calcium		NA		NA	714			NA		NA
Chromium		NA		NA	7 1			NA		NA
Cobalt		NA		NA	3.0			NA		NA
Copper		NA		NA	21 6			NA		NA
Iron		NA		NA	10900			NA		NA
Lead		NA		NA	92 7			NA		NA
Magnesium		NA		NA	1280			NA		NA
Manganese		NA		NA	144			NA		NA
Mercury		NA		NA	1.9			NA		NA
Nickel		NA		NA	4 0			NA		NA
Potassium		NA		NA	422			NA		NA
Selenium		NA		NA	1.5	U		NA		NA
Silver		NA		NA	0 64	U		NA		NA
Sodium		NA		NA	155			NA		NA
Thallium		NA		NA	2 1	UJ		NA		NA
Vanadium		NA		NA	11 2			NA		NA
Zinc		NA		NA	43 3			NA		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-427-01		RES-SS-11-427-02		RES-SS-11-427-03		RES-SS-11-428-01		RES-SS-11-428-02	
Sample Location	RES-11-427-01		RES-11-427-02		RES-11-427-03		RES-11-428-01		RES-11-428-02	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/17/99		11/17/99	
QC Identifier	None		None		None		None		None	
Semivolatile Organic Analysis (UG/KG)	AQC07						AQC15			
1,1'-Biphenyl	360	U	NA		NA		440	U	NA	
2,2'-oxybis(1-Chloropropane)	360	U	NA		NA		440	U	NA	
2,4,5-Trichlorophenol	900	U	NA		NA		1100	U	NA	
2,4,6-Trichlorophenol	360	U	NA		NA		440	U	NA	
2,4-Dichlorophenol	360	U	NA		NA		440	U	NA	
2,4-Dimethylphenol	360	U	NA		NA		440	U	NA	
2,4-Dinitrophenol	900	UJ	NA		NA		1100	U	NA	
2,4-Dinitrotoluene	360	U	NA		NA		440	U	NA	
2,6-Dinitrotoluene	360	U	NA		NA		440	U	NA	
2-Chloronaphthalene	360	U	NA		NA		440	U	NA	
2-Chlorophenol	360	U	NA		NA		440	U	NA	
2-Methylnaphthalene	360	U	NA		NA		44	J	NA	
2-Methylphenol	360	U	NA		NA		440	U	NA	
2-Nitroaniline	900	U	NA		NA		1100	U	NA	
2-Nitrophenol	360	U	NA		NA		440	U	NA	
3,3'-Dichlorobenzidine	360	U	NA		NA		440	U	NA	
3-Nitroaniline	900	U	NA		NA		1100	U	NA	
4,6-Dinitro-2-methylphenol	900	U	NA		NA		1100	U	NA	
4-Bromophenyl-phenylether	360	U	NA		NA		440	U	NA	
4-Chloro-3-methylphenol	360	U	NA		NA		440	U	NA	
4-Chloroaniline	360	U	NA		NA		440	U	NA	
4-Chlorophenyl-phenylether	360	U	NA		NA		440	U	NA	
4-Methylphenol	360	U	NA		NA		440	U	NA	
4-Nitroaniline	900	U	NA		NA		1100	U	NA	
4-Nitrophenol	900	U	NA		NA		1100	U	NA	
Acenaphthene	360	U	NA		NA		80	J	NA	
Acenaphthylene	360	U	NA		NA		440	U	NA	
Acetophenone	360	U	NA		NA		440	U	NA	
Anthracene	360	U	NA		NA		120	J	NA	
Atrazine	360	U	NA		NA		440	U	NA	
Benzaldehyde	360	U	NA		NA		65	J	NA	
Benzo(a)anthracene	30	J	NA		NA		430	J	NA	
Benzo(a)pyrene	360	U	NA		NA		430	J	NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-427-01		RES-SS-11-427-02		RES-SS-11-427-03		RES-SS-11-428-01		RES-SS-11-428-02	
Sample Location	RES-11-427-01		RES-11-427-02		RES-11-427-03		RES-11-428-01		RES-11-428-02	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0 1 0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/17/99		11/17/99	
QC Identifier	None		None		None		None		None	
Benzo(b)fluoranthene	38	J	NA		NA		540		NA	
Benzo(g,h,i)perylene	360	U	NA		NA		83	J	NA	
Benzo(k)fluoranthene	42	J	NA		NA		390	J	NA	
Bis(2-Chloroethoxy)methane	360	U	NA		NA		440	U	NA	
Bis(2-Chloroethyl)ether	360	U	NA		NA		440	U	NA	
bis(2-Ethylhexyl)phthalate	49	JEB	NA		NA		440	U	NA	
Butylbenzylphthalate	360	U	NA		NA		440	U	NA	
Caprolactam	360	U	NA		NA		440	U	NA	
Carbazole	360	U	NA		NA		130	J	NA	
Chrysene	42	J	NA		NA		520		NA	
Di-n-Butylphthalate	46	JEB	NA		NA		440	U	NA	
Di-n-octylphthalate	360	U	NA		NA		440	U	NA	
Dibenzo(a,h)anthracene	360	U	NA		NA		440	U	NA	
Dibenzofuran	360	U	NA		NA		77	J	NA	
Diethylphthalate	360	U	NA		NA		440	U	NA	
Dimethylphthalate	360	U	NA		NA		440	U	NA	
Fluoranthene	72	J	NA		NA		1000		NA	
Fluorene	360	U	NA		NA		59	J	NA	
Hexachlorobenzene	360	U	NA		NA		440	U	NA	
Hexachlorobutadiene	360	U	NA		NA		440	U	NA	
Hexachlorocyclopentadiene	360	U	NA		NA		440	U	NA	
Hexachloroethane	360	U	NA		NA		440	U	NA	
Indeno(1,2,3-cd)pyrene	360	U	NA		NA		98	J	NA	
Isophorone	360	U	NA		NA		440	U	NA	
N-Nitroso-di-n-propylamine	360	U	NA		NA		440	U	NA	
N-Nitroso-diphenylamine	360	U	NA		NA		440	U	NA	
Naphthalene	360	U	NA		NA		65	J	NA	
Nitrobenzene	360	U	NA		NA		440	U	NA	
Pentachlorophenol	900	U	NA		NA		1100	U	NA	
Phenanthrene	360	U	NA		NA		1000		NA	
Phenol	360	U	NA		NA		440	U	NA	
Pyrene	57	J	NA		NA		850		NA	
Total PAH	7		NA		NA		5 50		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-427-01		RES-SS-11-427-02		RES-SS-11-427-03		RES-SS-11-428-01		RES-SS-11-428-02	
Sample Location	RES-11-427-01		RES-11-427-02		RES-11-427-03		RES-11-428-01		RES-11-428-02	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/17/99		11/17/99	
QC Identifier	None		None		None		None		None	
Pesticide/PCB Analysis (UG/KG)	AQC07						AQC15			
4,4'-DDD	3.5	U	NA		NA		4 4	U		NA
4,4'-DDE	3 5	U	NA		NA		4 6			NA
4,4'-DDT	2 9	J	NA		NA		4 4	U		NA
Aldrin	1 8	U	NA		NA		2 2	U		NA
alpha-BHC	1 8	U	NA		NA		2 2	U		NA
alpha-Chlordane	1 8	U	NA		NA		2 2	U		NA
Aroclor, Total	72	U	NA		NA		180			NA
Aroclor-1016	35	U	NA		NA		44	U		NA
Aroclor-1221	72	U	NA		NA		89	U		NA
Aroclor-1232	35	U	NA		NA		44	U		NA
Aroclor-1242	35	U	NA		NA		44	U		NA
Aroclor-1248	35	U	NA		NA		44	U		NA
Aroclor-1254	35	U	NA		NA		180			NA
Aroclor-1260	35	U	NA		NA		44	U		NA
beta-BHC	1 8	U	NA		NA		2 2	U		NA
delta-BHC	1 8	U	NA		NA		2 2	U		NA
Dieldrin	3 5	U	NA		NA		4 4	U		NA
Endosulfan I	1 8	U	NA		NA		2 2	U		NA
Endosulfan II	3 5	U	NA		NA		4 4	U		NA
Endosulfan Sulfate	3 5	U	NA		NA		4 4	U		NA
Endrin	3 5	U	NA		NA		4 4	U		NA
Endrin Aldehyde	3 5	U	NA		NA		4 4	U		NA
Endrin Ketone	3 5	U	NA		NA		4 4	U		NA
gamma-BHC	1 8	U	NA		NA		2 2	U		NA
gamma-Chlordane	1 8	U	NA		NA		2 2	U		NA
Heptachlor	1 8	U	NA		NA		2 2	U		NA
Heptachlor Epoxide	1 8	U	NA		NA		2 2	U		NA
Methoxychlor	18	U	NA		NA		22	U		NA
Toxaphene	180	U	NA		NA		220	U		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-427-01		RES-SS-11-427-02		RES-SS-11-427-03		RES-SS-11-428-01		RES-SS-11-428-02	
Sample Location	RES-11-427-01		RES-11-427-02		RES-11-427-03		RES-11-428-01		RES-11-428-02	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/17/99		11/17/99	
QC Identifier	None		None		None		None		None	
Dioxin Analysis (NG/KG)	D01088		D01089		D01090		D01383		D01388	
1,2,3,4,6,7,8-HpCDD	9 8		10 9		11 2		64 3		12 5	U
1,2,3,4,6,7,8-HpCDF	5 7		7 6		9 4		4 5	U	2 7	U
1,2,3,4,7,8,9-HpCDF	0 20	U	0 50	U	0 40	U	0 60	U	0 40	U
1,2,3,4,7,8-HxCDD	0 20	U	0 40	U	0 40	U	0 89	JEB	0 20	U
1,2,3,4,7,8-HxCDF	0 89	U	1 1	U	1 5	U	2 0	U	0 83	U
1,2,3,6,7,8-HxCDD	1 4	U	0 93	U	0 89	U	2 9	U	0 93	U
1,2,3,6,7,8-HxCDF	0 34	EMPC	0 58	U	0 59	EMPC	0 79	U	0 34	U
1,2,3,7,8,9-HxCDD	0 63	EMPC	0 85	EMPC	0 86	U	3 1	U	0 75	U
1,2,3,7,8,9-HxCDF	0 10	U	0 30	U	0 30	U	0 30	U	0 20	U
1,2,3,7,8-PeCDD	0 10	U	0 30	U	0 30	U	0 40	UJ	0 20	U
1,2,3,7,8-PeCDF	0 94	EMPC	0 82	U	2 1	EMPC	1 0	JEB	0 36	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	0 00	U	0 00	U	0 00	U	0 00	U	0 00	U
2,3,4,6,7,8-HxCDF	0 66	U	0 86	U	1 0	U	0 77	EMPC	0 53	JEB
2,3,4,7,8-PeCDF	0 50	U	0 46	U	0 83	U	1 3	U	0 53	U
2,3,7,8-TCDD	0 26	JEB	0 32	JEB	0 30	U	3 0	EB	2 8	EB
2,3,7,8-TCDF	1 1	U	1 1	EMPC	1 4	U	3 1	UJ	1 2	UJ
OCDD	70 1		109		127		375		80 4	J
OCDF	6 1	JEB	7 4	JEB	9 8	EB	10 4	EB	4 2	JEB
Total HpCDD	20 3	J	22 5	J	20 6	J	111	J	25 0	UJ
Total HpCDF	11 6	J	15 3	J	21 2	J	9 8	UJ	6 5	UJ
Total HxCDD	10 3	EMPC	8 4	EMPC	7 6	UJ	25 7	EMPC	8 2	EMPC
Total HxCDF	7 8	EMPC	11 2	UJ	13 0	EMPC	7 7	EMPC	4 2	UJ
Total PeCDD	1 9	UJ	1 7	UJ	0 89	UJ	6 9	EMPC	3 6	EMPC
Total PeCDF	6 6	EMPC	9 8	EMPC	13 0	EMPC	11 7	EMPC	4 9	EMPC
Total TCDD	0 78	EMPC	2 3	EMPC	0 30	UJ	5 8	EMPC	4 0	EMPC
Total TCDF	4 9	UJ	4 4	UJ	7 8	UJ	12 7	J	5 7	EMPC
Toxicity Equivalency	0 96		1 2		1 2		5 1		3 4	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-427-01		RES-SS-11-427-02		RES-SS-11-427-03		RES-SS-11-428-01		RES-SS-11-428-02	
Sample Location	RES-11-427-01		RES-11-427-02		RES-11-427-03		RES-11-428-01		RES-11-428-02	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/17/99		11/17/99	
QC Identifier	None		None		None		None		None	
TAL Metal Analysis (MG/KG)	MALJ58						MALJ66			
Aluminum	8100		NA		NA		11200		NA	
Antimony	1 1	U	NA		NA		1 6	J	NA	
Arsenic	3 4		NA		NA		3 6		NA	
Barium	21 5		NA		NA		48 7		NA	
Beryllium	0 21	U	NA		NA		0 28	U	NA	
Cadmium	0 21	U	NA		NA		0 28	U	NA	
Calcium	1640		NA		NA		3490		NA	
Chromium	8 3		NA		NA		10 9		NA	
Cobalt	3 9		NA		NA		6 3		NA	
Copper	10 0		NA		NA		42 8		NA	
Iron	10800		NA		NA		14700		NA	
Lead	24 4		NA		NA		41 2		NA	
Magnesium	1210		NA		NA		2460		NA	
Manganese	148		NA		NA		176		NA	
Mercury	0 11	U	NA		NA		0 14	U	NA	
Nickel	4 7		NA		NA		10 0		NA	
Potassium	429		NA		NA		764		NA	
Selenium	1 1	U	NA		NA		1 4	U	NA	
Silver	0 22	UJ	NA		NA		0 54	UJ	NA	
Sodium	93 7	U	NA		NA		194		NA	
Thallium	1 5	UJ	NA		NA		1 9	UJ	NA	
Vanadium	17 1		NA		NA		18 3		NA	
Zinc	30 5		NA		NA		92 2		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-428-03	RES-SS-DU-111799C	RES-SS-11-428-03-MAX	RES-SS-11-428-G	RES-SS-11-429-01	
Sample Location	RES-11-428-03	RES-11-428-03	RES-11-428-03	RES-11-428-G	RES-11-429-01	
Interval	0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0	
Date Sampled	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	
QC Identifier	Field Dup. RES-SS-11-428-03	Field Dup. RES-SS-11-428-03	Field Dup. RES-SS-11-428-03	None	None	
Semivolatile Organic Analysis (UG/KG)					AQC10	
1,1'-Biphenyl	NA	NA	NA	NA	400	U
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	NA	400	UJ
2,4,5-Trichlorophenol	NA	NA	NA	NA	1000	U
2,4,6-Trichlorophenol	NA	NA	NA	NA	400	U
2,4-Dichlorophenol	NA	NA	NA	NA	400	U
2,4-Dimethylphenol	NA	NA	NA	NA	400	U
2,4-Dinitrophenol	NA	NA	NA	NA	1000	UJ
2,4-Dinitrotoluene	NA	NA	NA	NA	400	U
2,6-Dinitrotoluene	NA	NA	NA	NA	400	U
2-Chloronaphthalene	NA	NA	NA	NA	400	U
2-Chlorophenol	NA	NA	NA	NA	400	U
2-Methylnaphthalene	NA	NA	NA	NA	400	U
2-Methylphenol	NA	NA	NA	NA	400	U
2-Nitroaniline	NA	NA	NA	NA	1000	UJ
2-Nitrophenol	NA	NA	NA	NA	400	U
3,3'-Dichlorobenzidine	NA	NA	NA	NA	400	U
3-Nitroaniline	NA	NA	NA	NA	1000	U
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	1000	U
4-Bromophenyl-phenylether	NA	NA	NA	NA	400	U
4-Chloro-3-methylphenol	NA	NA	NA	NA	400	U
4-Chloroaniline	NA	NA	NA	NA	400	U
4-Chlorophenyl-phenylether	NA	NA	NA	NA	400	U
4-Methylphenol	NA	NA	NA	NA	400	U
4-Nitroaniline	NA	NA	NA	NA	1000	U
4-Nitrophenol	NA	NA	NA	NA	1000	U
Acenaphthene	NA	NA	NA	NA	400	UJ
Acenaphthylene	NA	NA	NA	NA	400	U
Acetophenone	NA	NA	NA	NA	400	U
Anthracene	NA	NA	NA	NA	27	J
Atrazine	NA	NA	NA	NA	400	U
Benzaldehyde	NA	NA	NA	NA	400	UJ
Benzo(a)anthracene	NA	NA	NA	NA	100	J
Benzo(a)pyrene	NA	NA	NA	NA	62	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-428-03	RES-SS-DU-111799C	RES-SS-11-428-03-MAX	RES-SS-11-428-G	RES-SS-11-429-01	
Sample Location	RES-11-428-03	RES-11-428-03	RES-11-428-03	RES-11-428-G	RES-11-429-01	
Interval	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0	
Date Sampled	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	
QC Identifier	Field Dup RES-SS-11-428-03	Field Dup RES-SS-11-428-03	Field Dup RES-SS-11-428-03	None	None	
Benzo(b)fluoranthene	NA	NA	NA	NA	130	J
Benzo(g,h,i)perylene	NA	NA	NA	NA	72	J
Benzo(k)fluoranthene	NA	NA	NA	NA	120	J
Bis(2-Chloroethoxy)methane	NA	NA	NA	NA	400	UJ
Bis(2-Chloroethyl)ether	NA	NA	NA	NA	400	UJ
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	56	JEB
Butylbenzylphthalate	NA	NA	NA	NA	400	UJ
Caprolactam	NA	NA	NA	NA	400	UJ
Carbazole	NA	NA	NA	NA	400	UJ
Chrysene	NA	NA	NA	NA	170	J
Di-n-Butylphthalate	NA	NA	NA	NA	400	UJ
Di-n-octylphthalate	NA	NA	NA	NA	400	UJ
Dibenzo(a,h)anthracene	NA	NA	NA	NA	400	UJ
Dibenzofuran	NA	NA	NA	NA	400	UJ
Diethylphthalate	NA	NA	NA	NA	400	UJ
Dimethylphthalate	NA	NA	NA	NA	400	UJ
Fluoranthene	NA	NA	NA	NA	170	J
Fluorene	NA	NA	NA	NA	400	UJ
Hexachlorobenzene	NA	NA	NA	NA	400	UJ
Hexachlorobutadiene	NA	NA	NA	NA	400	UJ
Hexachlorocyclopentadiene	NA	NA	NA	NA	400	UJ
Hexachloroethane	NA	NA	NA	NA	400	UJ
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	56	J
Isophorone	NA	NA	NA	NA	400	UJ
N-Nitroso-di-n-propylamine	NA	NA	NA	NA	400	UJ
N-Nitroso-diphenylamine	NA	NA	NA	NA	400	UJ
Naphthalene	NA	NA	NA	NA	400	UJ
Nitrobenzene	NA	NA	NA	NA	400	UJ
Pentachlorophenol	NA	NA	NA	NA	1000	UJ
Phenanthrene	NA	NA	NA	NA	72	J
Phenol	NA	NA	NA	NA	400	UJ
Pyrene	NA	NA	NA	NA	180	J
Total PAH	NA	NA	NA	NA	9.4	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-428-03	RES-SS-DU-111799C	RES-SS-11-428-03-MAX	RES-SS-11-428-G	RES-SS-11-429-01	
Sample Location	RES-11-428-03	RES-11-428-03	RES-11-428-03	RES-11-428-G	RES-11-429-01	
Interval	0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0	
Date Sampled	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	
QC Identifier	Field Dup. RES-SS-11-428-03	Field Dup. RES-SS-11-428-03	Field Dup. RES-SS-11-428-03	None	None	
Pesticide/PCB Analysis (UG/KG)					AQC10	
4,4'-DDD	NA	NA	NA	NA	4 0	U
4,4'-DDE	NA	NA	NA	NA	4 0	U
4,4'-DDT	NA	NA	NA	NA	4 0	U
Aldrin	NA	NA	NA	NA	2 1	U
alpha-BHC	NA	NA	NA	NA	2 1	U
alpha-Chlordane	NA	NA	NA	NA	2 1	U
Aroclor, Total	NA	NA	NA	NA	81	U
Aroclor-1016	NA	NA	NA	NA	40	U
Aroclor-1221	NA	NA	NA	NA	81	U
Aroclor-1232	NA	NA	NA	NA	40	U
Aroclor-1242	NA	NA	NA	NA	40	U
Aroclor-1248	NA	NA	NA	NA	40	U
Aroclor-1254	NA	NA	NA	NA	40	U
Aroclor-1260	NA	NA	NA	NA	40	U
beta-BHC	NA	NA	NA	NA	2 1	U
delta-BHC	NA	NA	NA	NA	2 1	U
Dieldrin	NA	NA	NA	NA	4 0	U
Endosulfan I	NA	NA	NA	NA	2 1	U
Endosulfan II	NA	NA	NA	NA	4 0	U
Endosulfan Sulfate	NA	NA	NA	NA	4 0	U
Endrin	NA	NA	NA	NA	4 0	U
Endrin Aldehyde	NA	NA	NA	NA	4 0	U
Endrin Ketone	NA	NA	NA	NA	4 0	U
gamma-BHC	NA	NA	NA	NA	2 1	U
gamma-Chlordane	NA	NA	NA	NA	2 1	U
Heptachlor	NA	NA	NA	NA	2 1	U
Heptachlor Epoxide	NA	NA	NA	NA	2 1	U
Methoxychlor	NA	NA	NA	NA	21	U
Toxaphene	NA	NA	NA	NA	210	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-428-03		RES-SS-DU-111799C		RES-SS-11-428-03-MAX		RES-SS-11-428-G		RES-SS-11-429-01	
Sample Location	RES-11-428-03		RES-11-428-03		RES-11-428-03		RES-11-428-G		RES-11-429-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99		11/17/99	
QC Identifier	Field Dup RES-SS-11-428-03		Field Dup RES-SS-11-428-03		Field Dup RES-SS-11-428-03		None		None	
Dioxin Analysis (NG/KG)	D01385		D01092		D01385		D01386		D01096	
1,2,3,4,6,7,8-HpCDD	19.4		27.0		27.0		20.0		41.7	
1,2,3,4,6,7,8-HpCDF	4.8	U	6.1		6.1		5.4	U	20.6	
1,2,3,4,7,8,9-HpCDF	0.70	U	0.40	JEB	0.70	U	0.51	EMPC	2.3	JEB
1,2,3,4,7,8-HxCDD	0.50	U	0.36	U	0.50	U	0.37	JEB	0.82	J
1,2,3,4,7,8-HxCDF	2.2	U	1.7	U	2.2	U	1.1	U	14.4	EMPC
1,2,3,6,7,8-HxCDD	1.2	EMPC	1.2	U	1.2	U	1.2	U	3.7	J
1,2,3,6,7,8-HxCDF	0.73	U	0.72	U	0.73	U	0.49	U	4.9	J
1,2,3,7,8,9-HxCDD	1.2	U	1.1	U	1.2	U	1.1	U	2.8	J
1,2,3,7,8,9-HxCDF	0.40	U	0.30	U	0.40	U	0.20	U	0.26	EMPC
1,2,3,7,8-PeCDD	0.40	UJ	0.30	U	0.30	U	0.20	U	0.62	J
1,2,3,7,8-PeCDF	0.85	JEB	0.81	U	0.81	U	0.63	JEB	3.1	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U	0.00	U		NA	0.00	U	0.00	U
2,3,4,6,7,8-HxCDF	1.0	JEB	1.0	U	1.0	U	0.64	EMPC	4.7	EMPC
2,3,4,7,8-PeCDF	1.6	U	1.0	U	1.6	U	0.71	EMPC	3.2	J
2,3,7,8-TCDD	1.6	EB	2.2	EB	2.2		0.28	EMPC	11.3	JEB
2,3,7,8-TCDF	2.4	UJ	2.7	U	2.7	U	1.6	UJ	4.7	EMPC
OCDD	140		192		192		199	J	232	
OCDF	8.3	JEB	9.7	JEB	9.7		8.3	JEB	18.6	EB
Total HpCDD	39.2	UJ	50.8	J	50.8		39.6	UJ	76.1	J
Total HpCDF	11.7	UJ	12.0	J	12.0		14.3	EMPC	38.5	J
Total HxCDD	12.4	EMPC	12.1	UJ	12.4		10.5	UJ	62.4	J
Total HxCDF	8.6	EMPC	9.9	UJ	8.6		7.2	EMPC	21.8	J
Total PeCDD	6.9	EMPC	1.8	UJ	6.9		2.6	EMPC	18.4	EMPC
Total PeCDF	19.4	EMPC	11.4	EMPC	19.4		8.0	EMPC	23.4	EMPC
Total TCDD	3.9	EMPC	6.1	EMPC	6.1		2.1	EMPC	19.3	J
Total TCDF	16.1	J	15.8	J	16.1		9.6	UJ	13.0	J
Toxicity Equivalency	3.1		3.4		3.4		1.4		18.0	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-428-03	RES-SS-DU-111799C	RES-SS-11-428-03-MAX	RES-SS-11-428-G	RES-SS-11-429-01	
Sample Location	RES-11-428-03	RES-11-428-03	RES-11-428-03	RES-11-428-G	RES-11-429-01	
Interval	0 0-1 0	0 0-1 0	0 0-1 0	0 0 1 0	0 0 1 0	
Date Sampled	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	
QC Identifier	Field Dup RES-SS-11-428-03	Field Dup RES-SS-11-428-03	Field Dup RES SS-11-428 03	None	None	
TAL Metal Analysis (MG/KG)					MALJ61	
Aluminum	NA	NA	NA	NA	5740	
Antimony	NA	NA	NA	NA	1 3	U
Arsenic	NA	NA	NA	NA	8 7	
Barium	NA	NA	NA	NA	37 6	
Beryllium	NA	NA	NA	NA	0 25	U
Cadmium	NA	NA	NA	NA	0 25	U
Calcium	NA	NA	NA	NA	48700	
Chromium	NA	NA	NA	NA	8 9	
Cobalt	NA	NA	NA	NA	2 6	
Copper	NA	NA	NA	NA	14 5	
Iron	NA	NA	NA	NA	6790	
Lead	NA	NA	NA	NA	28 2	
Magnesium	NA	NA	NA	NA	4260	
Manganese	NA	NA	NA	NA	175	
Mercury	NA	NA	NA	NA	0 12	U
Nickel	NA	NA	NA	NA	5 8	
Potassium	NA	NA	NA	NA	593	
Selenium	NA	NA	NA	NA	1 3	U
Silver	NA	NA	NA	NA	0 26	J
Sodium	NA	NA	NA	NA	255	
Thallium	NA	NA	NA	NA	1 8	UJ
Vanadium	NA	NA	NA	NA	21 9	
Zinc	NA	NA	NA	NA	42 6	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-429-02	RES-SS-11-430-01		RES-SS-11-430-01-MAX	RES-SS-11-430-02	
Sample Location	RES-11-429-02	RES-11-430-01		RES-11-430-01	RES-11-430-02	
Interval	0 0-1 0	0 0-1 0		0 0-1 0	0 0-1 0	
Date Sampled	11/17/99	11/17/99		11/17/99	11/17/99	
QC Identifier	None	None		None	None	
Semivolatile Organic Analysis (UG/KG)		AQC11				
1,1'-Biphenyl	NA	370	U	NA	NA	
2,2'-oxybis(1-Chloropropane)	NA	370	U	NA	NA	
2,4,5-Trichlorophenol	NA	930	U	NA	NA	
2,4,6-Trichlorophenol	NA	370	U	NA	NA	
2,4-Dichlorophenol	NA	370	U	NA	NA	
2,4-Dimethylphenol	NA	370	U	NA	NA	
2,4-Dinitrophenol	NA	930	U	NA	NA	
2,4-Dinitrotoluene	NA	370	U	NA	NA	
2,6-Dinitrotoluene	NA	370	U	NA	NA	
2-Chloronaphthalene	NA	370	U	NA	NA	
2-Chlorophenol	NA	370	U	NA	NA	
2-Methylnaphthalene	NA	370	U	NA	NA	
2-Methylphenol	NA	370	U	NA	NA	
2-Nitroaniline	NA	930	U	NA	NA	
2-Nitrophenol	NA	370	U	NA	NA	
3,3'-Dichlorobenzidine	NA	370	U	NA	NA	
3-Nitroaniline	NA	930	U	NA	NA	
4,6-Dinitro-2-methylphenol	NA	930	U	NA	NA	
4-Bromophenyl-phenylether	NA	370	U	NA	NA	
4-Chloro-3-methylphenol	NA	370	U	NA	NA	
4-Chloroaniline	NA	370	U	NA	NA	
4-Chlorophenyl-phenylether	NA	370	U	NA	NA	
4-Methylphenol	NA	370	U	NA	NA	
4-Nitroaniline	NA	930	U	NA	NA	
4-Nitrophenol	NA	930	UJ	NA	NA	
Acenaphthene	NA	370	U	NA	NA	
Acenaphthylene	NA	370	U	NA	NA	
Acetophenone	NA	370	U	NA	NA	
Anthracene	NA	370	U	NA	NA	
Atrazine	NA	370	U	NA	NA	
Benzaldehyde	NA	370	U	NA	NA	
Benzo(a)anthracene	NA	35	J	NA	NA	
Benzo(a)pyrene	NA	370	U	NA	NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-429-02		RES-SS-11-430-01		RES-SS-11-430-01-MAX		RES-SS-11-430-02	
Sample Location	RES-11-429-02		RES-11-430-01		RES-11-430-01		RES-11-430-02	
Interval	0 0-1.0		0 0-1 0		0 0-1.0		0 0-1 0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99	
QC Identifier	None		None		None		None	
Benzo(b)fluoranthene		NA	39	J		NA		NA
Benzo(g,h,i)perylene		NA	370	U		NA		NA
Benzo(k)fluoranthene		NA	36	J		NA		NA
Bis(2-Chloroethoxy)methane		NA	370	U		NA		NA
Bis(2-Chloroethyl)ether		NA	370	U		NA		NA
bis(2-Ethylhexyl)phthalate		NA	390	EB		NA		NA
Butylbenzylphthalate		NA	370	U		NA		NA
Caprolactam		NA	370	U		NA		NA
Carbazole		NA	370	U		NA		NA
Chrysene		NA	42	J		NA		NA
Di-n-Butylphthalate		NA	370	U		NA		NA
Di-n-octylphthalate		NA	370	U		NA		NA
Dibenzo(a,h)anthracene		NA	370	U		NA		NA
Dibenzofuran		NA	370	U		NA		NA
Diethylphthalate		NA	370	U		NA		NA
Dimethylphthalate		NA	370	U		NA		NA
Fluoranthene		NA	80	J		NA		NA
Fluorene		NA	370	U		NA		NA
Hexachlorobenzene		NA	370	U		NA		NA
Hexachlorobutadiene		NA	370	U		NA		NA
Hexachlorocyclopentadiene		NA	370	U		NA		NA
Hexachloroethane		NA	370	U		NA		NA
Indeno(1,2,3-cd)pyrene		NA	370	U		NA		NA
Isophorone		NA	370	U		NA		NA
N-Nitroso-di-n-propylamine		NA	370	U		NA		NA
N-Nitroso-diphenylamine		NA	370	U		NA		NA
Naphthalene		NA	370	U		NA		NA
Nitrobenzene		NA	370	U		NA		NA
Pentachlorophenol		NA	930	U		NA		NA
Phenanthrene		NA	370	U		NA		NA
Phenol		NA	370	U		NA		NA
Pyrene		NA	62	J		NA		NA
Total PAH		NA	6			NA		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-429-02	RES-SS-11-430-01		RES-SS-11-430-01-MAX	RES-SS-11-430-02	
Sample Location	RES-11-429-02	RES-11-430-01		RES-11-430-01	RES-11-430-02	
Interval	0 0-1 0	0 0-1 0		0 0-1 0	0 0-1 0	
Date Sampled	11/17/99	11/17/99		11/17/99	11/17/99	
QC Identifier	None	None		None	None	
Pesticide/PCB Analysis (UG/KG)		AQC11				
4,4'-DDD	NA	3 8	U	NA	NA	
4,4'-DDE	NA	3 8	U	NA	NA	
4,4'-DDT	NA	3 8	U	NA	NA	
Aldrin	NA	1 9	U	NA	NA	
alpha-BHC	NA	1 9	U	NA	NA	
alpha-Chlordane	NA	1 9	U	NA	NA	
Aroclor, Total	NA	76	U	NA	NA	
Aroclor-1016	NA	38	U	NA	NA	
Aroclor-1221	NA	76	U	NA	NA	
Aroclor-1232	NA	38	U	NA	NA	
Aroclor-1242	NA	38	U	NA	NA	
Aroclor-1248	NA	38	U	NA	NA	
Aroclor-1254	NA	38	U	NA	NA	
Aroclor-1260	NA	38	U	NA	NA	
beta-BHC	NA	1 9	U	NA	NA	
delta-BHC	NA	1 9	U	NA	NA	
Dieldrin	NA	3 8	U	NA	NA	
Endosulfan I	NA	1 9	U	NA	NA	
Endosulfan II	NA	3 8	U	NA	NA	
Endosulfan Sulfate	NA	3 8	U	NA	NA	
Endrin	NA	3 8	U	NA	NA	
Endrin Aldehyde	NA	3 8	U	NA	NA	
Endrin Ketone	NA	3 8	U	NA	NA	
gamma-BHC	NA	1 9	U	NA	NA	
gamma-Chlordane	NA	1 9	U	NA	NA	
Heptachlor	NA	1 9	U	NA	NA	
Heptachlor Epoxide	NA	1 9	U	NA	NA	
Methoxychlor	NA	19	U	NA	NA	
Toxaphene	NA	190	U	NA	NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-429-02		RES-SS-11-430-01		RES-SS-11-430-01-MAX	RES-SS-11-430-02	
Sample Location	RES-11-429-02		RES-11-430-01		RES-11-430-01	RES-11-430-02	
Interval	0 0-1 0		0 0-1 0		0 0-1 0	0 0-1 0	
Date Sampled	11/17/99		11/17/99		11/17/99	11/17/99	
QC Identifier	None		None		None	None	
Dioxin Analysis (NG/KG)	D01387		D01098			D01099	
1,2,3,4,6,7,8-HpCDD	24.6		4.4	U	NA	28.5	
1,2,3,4,6,7,8-HpCDF	3.7	EMPC	0.96	EMPC	NA	9 9	
1,2,3,4,7,8,9-HpCDF	2.2	JEB	0.50	U	NA	0.64	EMPC
1,2,3,4,7,8-HxCDD	2.0	JEB	0.30	U	NA	0.75	EMPC
1,2,3,4,7,8-HxCDF	2.1	U	0.60	EMPC	NA	2.8	U
1,2,3,6,7,8-HxCDD	3.1	U	0.57	U	NA	1.9	U
1,2,3,6,7,8-HxCDF	1.8	U	0.34	U	NA	1.4	U
1,2,3,7,8,9-HxCDD	2.6	U	0.71	U	NA	1.4	EMPC
1,2,3,7,8,9-HxCDF	1.6	JEB	0.30	U	NA	0.30	U
1,2,3,7,8-PeCDD	1.9	J	0.30	U	NA	0.43	EMPC
1,2,3,7,8-PeCDF	2.1	JEB	0.28	EMPC	NA	0.91	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U	0.00	U	NA	0.00	U
2,3,4,6,7,8-HxCDF	2.1	JEB	0.43	JEB	NA	1.3	JEB
2,3,4,7,8-PeCDF	2.4	U	0.40	U	NA	1.2	U
2,3,7,8-TCDD	4.1	EB	1.0	EMPC	NA	6.3	EB
2,3,7,8-TCDF	1.1	EMPC	0.81	UJ	NA	2.8	UJ
OCDD	156		23.0	UJ	NA	202	J
OCDF	9.3	JEB	1.7	JEB	NA	14.2	JEB
Total HpCDD	45.7	UJ	8.1	EMPC	NA	60.6	J
Total HpCDF	10.3	EMPC	0.96	EMPC	NA	18.8	J
Total HxCDD	17.8	UJ	4.2	EMPC	NA	17.7	EMPC
Total HxCDF	11.0	UJ	2.6	EMPC	NA	16.6	UJ
Total PeCDD	1.9	UJ	2.0	EMPC	NA	6.7	EMPC
Total PeCDF	5.9	UJ	1.6	EMPC	NA	17.6	EMPC
Total TCDD	5.8	EMPC	1.5	EMPC	NA	10.2	UJ
Total TCDF	2.9	EMPC	0.00	UJ	NA	11.5	UJ
Toxicity Equivalency	8.2		1.6		NA	8.3	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-429-02		RES-SS-11-430-01		RES-SS-11-430-01-MAX		RES-SS-11-430-02	
Sample Location	RES-11-429-02		RES-11-430-01		RES-11-430-01		RES-11-430-02	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99	
QC Identifier	None		None		None		None	
TAL Metal Analysis (MG/KG)			MALJ62					
Aluminum		NA	2430			NA		NA
Antimony		NA	1 3	U		NA		NA
Arsenic		NA	1 6	U		NA		NA
Barium		NA	16 9			NA		NA
Beryllium		NA	0 26	U		NA		NA
Cadmium		NA	0 26	U		NA		NA
Calcium		NA	1070			NA		NA
Chromium		NA	1 8			NA		NA
Cobalt		NA	1 8			NA		NA
Copper		NA	11 0			NA		NA
Iron		NA	4440			NA		NA
Lead		NA	8 1			NA		NA
Magnesium		NA	752			NA		NA
Manganese		NA	61 0			NA		NA
Mercury		NA	0 12	U		NA		NA
Nickel		NA	7 1			NA		NA
Potassium		NA	442			NA		NA
Selenium		NA	1 3	U		NA		NA
Silver		NA	0 26	U		NA		NA
Sodium		NA	102	U		NA		NA
Thallium		NA	1 8	UJ		NA		NA
Vanadium		NA	4 1			NA		NA
Zinc		NA	33 4			NA		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-430-03		01		RES-SS-11-431-02	RES-SS-11-431-03	RES-SS-11-432-01	
Sample Location	RES-11-430-03		RES-11-431-01		RES-11-431-02	RES-11-431-03	RES-11-432-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0	0.0-1.0	0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99	11/17/99	11/18/99	
QC Identifier	None		None		None	None	Field Dup RES-SS-11-432-01	
Semivolatile Organic Analysis (UG/KG)			AQC12				AQC26	
1,1'-Biphenyl	NA		2000	U	NA	NA	3500	U
2,2'-oxybis(1-Chloropropane)	NA		2000	U	NA	NA	3500	U
2,4,5-Trichlorophenol	NA		5100	U	NA	NA	8700	U
2,4,6-Trichlorophenol	NA		2000	U	NA	NA	3500	U
2,4-Dichlorophenol	NA		2000	U	NA	NA	3500	U
2,4-Dimethylphenol	NA		2000	U	NA	NA	3500	U
2,4-Dinitrophenol	NA		5100	U	NA	NA	8700	U
2,4-Dinitrotoluene	NA		2000	U	NA	NA	3500	U
2,6-Dinitrotoluene	NA		2000	U	NA	NA	3500	U
2-Chloronaphthalene	NA		2000	U	NA	NA	3500	U
2-Chlorophenol	NA		2000	U	NA	NA	3500	U
2-Methylnaphthalene	NA		2000	U	NA	NA	3500	U
2-Methylphenol	NA		2000	U	NA	NA	3500	U
2-Nitroaniline	NA		5100	U	NA	NA	8700	U
2-Nitrophenol	NA		2000	U	NA	NA	3500	U
3,3'-Dichlorobenzidine	NA		2000	U	NA	NA	3500	U
3-Nitroaniline	NA		5100	U	NA	NA	8700	U
4,6-Dinitro-2-methylphenol	NA		5100	U	NA	NA	8700	U
4-Bromophenyl-phenylether	NA		2000	U	NA	NA	3500	U
4-Chloro-3-methylphenol	NA		2000	U	NA	NA	3500	U
4-Chloroaniline	NA		2000	U	NA	NA	3500	U
4-Chlorophenyl-phenylether	NA		2000	U	NA	NA	3500	U
4-Methylphenol	NA		2000	U	NA	NA	3500	U
4-Nitroaniline	NA		5100	U	NA	NA	8700	U
4-Nitrophenol	NA		5100	UJ	NA	NA	8700	U
Acenaphthene	NA		2000	U	NA	NA	3500	U
Acenaphthylene	NA		2000	U	NA	NA	3500	U
Acetophenone	NA		2000	U	NA	NA	3500	U
Anthracene	NA		2000	U	NA	NA	3500	U
Atrazine	NA		2000	U	NA	NA	3500	U
Benzaldehyde	NA		2000	U	NA	NA	360	J
Benzo(a)anthracene	NA		130	J	NA	NA	3500	U
Benzo(a)pyrene	NA		2000	U	NA	NA	3500	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-430-03		01		RES-SS-11-431-02		RES-SS-11-431-03		RES-SS-11-432-01	
Sample Location	RES-11-430-03		RES-11-431-01		RES-11-431-02		RES-11-431-03		RES-11-432-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99		11/18/99	
QC Identifier	None		None		None		None		Field Dup. RES-SS-11-432-01	
Benzo(b)fluoranthene	NA	2000	U	NA		NA	NA	440	J
Benzo(g,h,i)perylene	NA	2000	U	NA		NA	NA	3500	U
Benzo(k)fluoranthene	NA	2000	U	NA		NA	NA	490	J
Bis(2-Chloroethoxy)methane	NA	2000	U	NA		NA	NA	3500	U
Bis(2-Chloroethyl)ether	NA	2000	U	NA		NA	NA	3500	U
bis(2-Ethylhexyl)phthalate	NA	2000	JEB	NA		NA	NA	3500	U
Butylbenzylphthalate	NA	2000	U	NA		NA	NA	3500	U
Caprolactam	NA	2000	U	NA		NA	NA	3500	U
Carbazole	NA	2000	U	NA		NA	NA	3500	U
Chrysene	NA	220	J	NA		NA	NA	420	J
Di-n-Butylphthalate	NA	2000	U	NA		NA	NA	3500	U
Di-n-octylphthalate	NA	2000	U	NA		NA	NA	3500	U
Dibenzo(a,h)anthracene	NA	2000	U	NA		NA	NA	3500	U
Dibenzofuran	NA	2000	U	NA		NA	NA	3500	U
Diethylphthalate	NA	2000	U	NA		NA	NA	3500	U
Dimethylphthalate	NA	2000	U	NA		NA	NA	3500	U
Fluoranthene	NA	220	J	NA		NA	NA	720	J
Fluorene	NA	2000	U	NA		NA	NA	3500	U
Hexachlorobenzene	NA	2000	U	NA		NA	NA	3500	U
Hexachlorobutadiene	NA	2000	U	NA		NA	NA	3500	U
Hexachlorocyclopentadiene	NA	2000	U	NA		NA	NA	3500	U
Hexachloroethane	NA	2000	U	NA		NA	NA	3500	U
Indeno(1,2,3-cd)pyrene	NA	2000	U	NA		NA	NA	3500	U
Isophorone	NA	2000	U	NA		NA	NA	3500	U
N-Nitroso-di-n-propylamine	NA	2000	U	NA		NA	NA	3500	U
N-Nitroso-diphenylamine	NA	2000	U	NA		NA	NA	3500	U
Naphthalene	NA	2000	U	NA		NA	NA	3500	U
Nitrobenzene	NA	2000	U	NA		NA	NA	3500	U
Pentachlorophenol	NA	5100	U	NA		NA	NA	8700	U
Phenanthrene	NA	2000	U	NA		NA	NA	3500	U
Phenol	NA	2000	U	NA		NA	NA	3500	U
Pyrene	NA	210	J	NA		NA	NA	480	J
Total PAH	NA	13		NA		NA	NA	49	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-430-03		01		RES-SS-11-431-02		RES-SS-11-431-03		RES-SS-11-432-01	
Sample Location	RES-11-430-03		RES-11-431-01		RES-11-431-02		RES-11-431-03		RES-11-432-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99		11/18/99	
QC Identifier	None		None		None		None		Field Dup RES-SS-11-432-01	
Pesticide/PCB Analysis (UG/KG)			AQC12						AQC26	
4,4'-DDD		NA	4.1	U		NA		NA	6.9	U
4,4'-DDE		NA	4.1	U		NA		NA	6.9	U
4,4'-DDT		NA	4.1	U		NA		NA	6.9	U
Aldrin		NA	2.1	U		NA		NA	3.6	U
alpha-BHC		NA	2.1	U		NA		NA	3.6	U
alpha-Chlordane		NA	2.1	U		NA		NA	5.7	
Aroclor, Total		NA	64			NA		NA	140	U
Aroclor-1016		NA	41	U		NA		NA	69	U
Aroclor-1221		NA	83	U		NA		NA	140	U
Aroclor-1232		NA	41	U		NA		NA	69	U
Aroclor-1242		NA	41	U		NA		NA	69	U
Aroclor-1248		NA	41	U		NA		NA	69	U
Aroclor-1254		NA	64			NA		NA	69	U
Aroclor-1260		NA	41	U		NA		NA	69	U
beta-BHC		NA	2.1	U		NA		NA	3.6	U
delta-BHC		NA	2.1	U		NA		NA	3.6	U
Dieldrin		NA	4.1	U		NA		NA	6.9	U
Endosulfan I		NA	2.1	U		NA		NA	3.6	U
Endosulfan II		NA	4.1	U		NA		NA	6.9	U
Endosulfan Sulfate		NA	4.1	U		NA		NA	6.9	U
Endrin		NA	4.1	U		NA		NA	6.9	U
Endrin Aldehyde		NA	4.1	U		NA		NA	6.9	U
Endrin Ketone		NA	4.1	U		NA		NA	6.9	U
gamma-BHC		NA	2.1	U		NA		NA	3.6	U
gamma-Chlordane		NA	2.1	U		NA		NA	4.2	
Heptachlor		NA	2.1	U		NA		NA	3.6	U
Heptachlor Epoxide		NA	4.9			NA		NA	3.6	U
Methoxychlor		NA	21	U		NA		NA	36	U
Toxaphene		NA	210	U		NA		NA	360	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-430-03		01		RES-SS-11-431-02		RES-SS-11-431-03		RES-SS-11-432-01	
Sample Location	RES-11-430-03		RES-11-431-01		RES-11-431-02		RES-11-431-03		RES-11-432-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99		11/18/99	
QC Identifier	None		None		None		None		Field Dup. RES-SS-11-432-01	
Dioxin Analysis (NG/KG)	D01376		D01377		D01378		D01379		D01407	
1,2,3,4,6,7,8-HpCDD	31.1		31.8		29.1		12.6	U	27.3	JEB
1,2,3,4,6,7,8-HpCDF	8.4	U	15.8		9.2		6.5	U	210	J
1,2,3,4,7,8,9-HpCDF	0.67	EMPC	1.6	JEB	1.1	JEB	2.1	JEB	33.4	JEB
1,2,3,4,7,8-HxCDD	0.42	JEB	1.2	JEB	0.92	JEB	1.8	JEB	8.6	J
1,2,3,4,7,8-HxCDF	2.0	U	8.4		4.8	U	3.6	U	91.4	J
1,2,3,6,7,8-HxCDD	1.6	U	3.3	U	2.1	U	2.1	EMPC	20.6	J
1,2,3,6,7,8-HxCDF	0.94	U	2.8	U	1.7	U	2.0	U	37.5	JEB
1,2,3,7,8,9-HxCDD	1.4	U	3.8	U	2.4	U	2.3	U	32.7	JEB
1,2,3,7,8,9-HxCDF	0.20	U	0.20	U	0.40	U	1.6	JEB	2.1	EMPC
1,2,3,7,8-PeCDD	0.38	J	0.69	EMPC	0.96	EMPC	1.3	EMPC	7.1	J
1,2,3,7,8-PeCDF	1.1	JEB	2.5	EMPC	1.9	JEB	1.2	EMPC	14.7	JEB
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U	11.76	J	2.14	J	0.00	U	15.79	J
2,3,4,6,7,8-HxCDF	1.3	JEB	4.3	JEB	2.2	JEB	2.7	JEB	57.1	JEB
2,3,4,7,8-PeCDF	1.0	EMPC	3.6	U	2.7	U	2.5	U	36.2	JEB
2,3,7,8-TCDD	0.64	JEB	30.4	EB	26.9	EB	1.1	EMPC	65.5	JEB
2,3,7,8-TCDF	2.7	UJ	12.0	J	4.4	UJ	2.6	UJ	73.8	JEB
OCDD	294	J	140	J	167		58.8		1540	J
OCDF	9.4	JEB	9.4	JEB	9.3	JEB	5.5	JEB	174	JEB
Total HpCDD	64.1	J	66.7	J	59.1	J	24.9	UJ	556	JEB
Total HpCDF	18.4	J	23.1	J	16.6	UJ	11.2	EMPC	363	J
Total HxCDD	16.2	EMPC	56.4	UJ	24.8	UJ	16.2	EMPC	326	J
Total HxCDF	12.4	EMPC	33.5	J	19.8	EMPC	15.2	UJ	361	JEB
Total PeCDD	8.2	EMPC	38.2	EMPC	19.6	EMPC	9.9	EMPC	181	J
Total PeCDF	12.4	EMPC	41.5	J	23.6	UJ	14.1	EMPC	401	JEB
Total TCDD	4.1	EMPC	54.4	J	31.4	J	4.5	EMPC	146	JEB
Total TCDF	14.0	J	63.0	J	22.7	J	8.4	UJ	381	JEB
Toxicity Equivalency	2.6		35.7		30.1		4.6		129	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-430-03		01		RES-SS-11-431-02		RES-SS-11-431-03		RES-SS-11-432-01	
Sample Location	RES-11-430-03		RES-11-431-01		RES-11-431-02		RES-11-431-03		RES-11-432-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/17/99		11/18/99	
QC Identifier	None		None		None		None		Field Dup. RES-SS-11-432-01	
TAL Metal Analysis (MG/KG)			MALJ63						MALJ73	
Aluminum		NA	4470			NA		NA	4160	
Antimony		NA	2.3	J		NA		NA	3.1	J
Arsenic		NA	1.7	J		NA		NA	2.6	J
Barium		NA	45.2			NA		NA	45.3	
Beryllium		NA	0.24	U		NA		NA	0.41	U
Cadmium		NA	0.49			NA		NA	0.53	J
Calcium		NA	1010			NA		NA	3770	
Chromium		NA	10.5			NA		NA	28.2	
Cobalt		NA	3.3			NA		NA	2.5	
Copper		NA	53.1			NA		NA	138	
Iron		NA	10200			NA		NA	7480	
Lead		NA	78.4			NA		NA	79.7	
Magnesium		NA	985			NA		NA	951	
Manganese		NA	115			NA		NA	228	
Mercury		NA	0.12	U		NA		NA	0.21	U
Nickel		NA	46.0			NA		NA	9.8	
Potassium		NA	316			NA		NA	313	
Selenium		NA	1.2	U		NA		NA	2.1	U
Silver		NA	0.47	U		NA		NA	0.41	U
Sodium		NA	122	U		NA		NA	502	
Thallium		NA	1.6	UJ		NA		NA	2.9	UJ
Vanadium		NA	8.2			NA		NA	9.9	
Zinc		NA	195			NA		NA	136	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111899B		RES-SS-11-432-01-MAX		RES-SS-11-432-02	RES-SS-11-432-03		RES-SS-11-433-01	
Sample Location	RES-11-432-01		RES-11-432-01		RES-11-432-02	RES-11-432-03		RES-11-433-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0	0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99	11/18/99		11/18/99	
QC Identifier	Field Dup. RES-SS-11-432-01		Field Dup. RES-SS-11-432-01		None	None		None	
Semivolatile Organic Analysis (UG/KG)			AQC26					AQC21	
1,1'-Biphenyl	NA	3500	U		NA	NA			R
2,2'-oxybis(1-Chloropropane)	NA	3500	U		NA	NA			R
2,4,5-Trichlorophenol	NA	8700	U		NA	NA			R
2,4,6-Trichlorophenol	NA	3500	U		NA	NA			R
2,4-Dichlorophenol	NA	3500	U		NA	NA			R
2,4-Dimethylphenol	NA	3500	U		NA	NA			R
2,4-Dinitrophenol	NA	8700	U		NA	NA			R
2,4-Dinitrotoluene	NA	3500	U		NA	NA			R
2,6-Dinitrotoluene	NA	3500	U		NA	NA			R
2-Chloronaphthalene	NA	3500	U		NA	NA			R
2-Chlorophenol	NA	3500	U		NA	NA			R
2-Methylnaphthalene	NA	3500	U		NA	NA			R
2-Methylphenol	NA	3500	U		NA	NA			R
2-Nitroaniline	NA	8700	U		NA	NA			R
2-Nitrophenol	NA	3500	U		NA	NA			R
3,3'-Dichlorobenzidine	NA	3500	U		NA	NA			R
3-Nitroaniline	NA	8700	U		NA	NA			R
4,6-Dinitro-2-methylphenol	NA	8700	U		NA	NA			R
4-Bromophenyl-phenylether	NA	3500	U		NA	NA			R
4-Chloro-3-methylphenol	NA	3500	U		NA	NA			R
4-Chloroaniline	NA	3500	U		NA	NA			R
4-Chlorophenyl-phenylether	NA	3500	U		NA	NA			R
4-Methylphenol	NA	3500	U		NA	NA			R
4-Nitroaniline	NA	8700	U		NA	NA			R
4-Nitrophenol	NA	8700	U		NA	NA			R
Acenaphthene	NA	3500	U		NA	NA			R
Acenaphthylene	NA	3500	U		NA	NA			R
Acetophenone	NA	3500	U		NA	NA			R
Anthracene	NA	3500	U		NA	NA			R
Atrazine	NA	3500	U		NA	NA			R
Benzaldehyde	NA	360			NA	NA		720	J
Benzo(a)anthracene	NA	3500	U		NA	NA		610	J
Benzo(a)pyrene	NA	3500	U		NA	NA		600	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111899B		RES-SS-11-432-01-MAX		RES-SS-11-432-02		RES-SS-11-432-03		RES-SS-11-433-01	
Sample Location	RES-11-432-01		RES-11-432-01		RES-11-432-02		RES-11-432-03		RES-11-433-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup. RES-SS-11-432-01		Field Dup. RES-SS-11-432-01		None		None		None	
Benzo(b)fluoranthene	NA		440		NA		NA	700	J
Benzo(g,h,i)perylene	NA		3500	U	NA		NA	440	J
Benzo(k)fluoranthene	NA		490		NA		NA	880	J
Bis(2-Chloroethoxy)methane	NA		3500	U	NA		NA		R
Bis(2-Chloroethyl)ether	NA		3500	U	NA		NA		R
bis(2-Ethylhexyl)phthalate	NA		3500	U	NA		NA	1900	J
Butylbenzylphthalate	NA		3500	U	NA		NA		R
Caprolactam	NA		3500	U	NA		NA		R
Carbazole	NA		3500	U	NA		NA		R
Chrysene	NA		420		NA		NA	1000	J
Di-n-Butylphthalate	NA		3500	U	NA		NA	1100	UJ
Di-n-octylphthalate	NA		3500	U	NA		NA		R
Dibenzo(a,h)anthracene	NA		3500	U	NA		NA	130	J
Dibenzofuran	NA		3500	U	NA		NA		R
Diethylphthalate	NA		3500	U	NA		NA		R
Dimethylphthalate	NA		3500	U	NA		NA		R
Fluoranthene	NA		720		NA		NA	1300	J
Fluorene	NA		3500	U	NA		NA		R
Hexachlorobenzene	NA		3500	U	NA		NA		R
Hexachlorobutadiene	NA		3500	U	NA		NA		R
Hexachlorocyclopentadiene	NA		3500	U	NA		NA		R
Hexachloroethane	NA		3500	U	NA		NA		R
Indeno(1,2,3-cd)pyrene	NA		3500	U	NA		NA	420	J
Isophorone	NA		3500	U	NA		NA		R
N-Nitroso-di-n-propylamine	NA		3500	U	NA		NA		R
N-Nitroso-diphenylamine	NA		3500	U	NA		NA		R
Naphthalene	NA		3500	U	NA		NA		R
Nitrobenzene	NA		3500	U	NA		NA		R
Pentachlorophenol	NA		8700	U	NA		NA		R
Phenanthrene	NA		3500	U	NA		NA	700	J
Phenol	NA		3500	U	NA		NA		R
Pyrene	NA		480		NA		NA	1500	J
Total PAH	NA		49		NA		NA	610	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111899B		RES-SS-11-432-01-MAX		RES-SS-11-432-02		RES-SS-11-432-03		RES-SS-11-433-01	
Sample Location	RES-11-432-01		RES-11-432-01		RES-11-432-02		RES-11-432-03		RES-11-433-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup. RES-SS-11-432-01		Field Dup. RES-SS-11-432-01		None		None		None	
Pesticide/PCB Analysis (UG/KG)			AQC26						AQC21	
4,4'-DDD	NA		6.9	U	NA		NA			R
4,4'-DDE	NA		6.9	U	NA		NA			R
4,4'-DDT	NA		6.9	U	NA		NA			R
Aldrin	NA		3.6	U	NA		NA			R
alpha-BHC	NA		3.6	U	NA		NA			R
alpha-Chlordane	NA		5.7		NA		NA		21	J
Aroclor, Total	NA		140	U	NA		NA			U
Aroclor-1016	NA		69	U	NA		NA			R
Aroclor-1221	NA		140	U	NA		NA			R
Aroclor-1232	NA		69	U	NA		NA			R
Aroclor-1242	NA		69	U	NA		NA			R
Aroclor-1248	NA		69	U	NA		NA			R
Aroclor-1254	NA		69	U	NA		NA			R
Aroclor-1260	NA		69	U	NA		NA			R
beta-BHC	NA		3.6	U	NA		NA			R
delta-BHC	NA		3.6	U	NA		NA			R
Dieldrin	NA		6.9	U	NA		NA			R
Endosulfan I	NA		3.6	U	NA		NA			R
Endosulfan II	NA		6.9	U	NA		NA			R
Endosulfan Sulfate	NA		6.9	U	NA		NA			R
Endrin	NA		6.9	U	NA		NA			R
Endrin Aldehyde	NA		6.9	U	NA		NA			R
Endrin Ketone	NA		6.9	U	NA		NA			R
gamma-BHC	NA		3.6	U	NA		NA			R
gamma-Chlordane	NA		4.2		NA		NA		18	J
Heptachlor	NA		3.6	U	NA		NA			R
Heptachlor Epoxide	NA		3.6	U	NA		NA			R
Methoxychlor	NA		36	U	NA		NA			R
Toxaphene	NA		360	U	NA		NA			R

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111899B		RES-SS-11-432-01-MAX		RES-SS-11-432-02		RES-SS-11-432-03		RES-SS-11-433-01	
Sample Location	RES-11-432-01		RES-11-432-01		RES-11-432-02		RES-11-432-03		RES-11-433-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup. RES-SS-11-432-01		Field Dup. RES-SS-11-432-01		None		None		None	
Dioxin Analysis (NG/KG)	D01398		D01398		D01410		D01411		D01414	
1,2,3,4,6,7,8-HpCDD	270	EB	273		19.6	J	47.8	J	2520	$
1,2,3,4,6,7,8-HpCDF	189		189		8.0		15.2		2920	$
1,2,3,4,7,8,9-HpCDF	17.8	EB	33.4		1.5	U	1.8	J	694	
1,2,3,4,7,8-HxCDD	7.5		7.5		1.0	U	0.71	EMPC	167	
1,2,3,4,7,8-HxCDF	84.5		84.5		3.1	JEB	4.2	JEB	1720	EB$
1,2,3,6,7,8-HxCDD	18.2		18.2		0.80	U	1.7	J	284	
1,2,3,6,7,8-HxCDF	27.5	EB	37.5		1.4	J	1.6	J	797	
1,2,3,7,8,9-HxCDD	25.8	EB	32.7		1.0	U	2.3	J	580	
1,2,3,7,8,9-HxCDF	1.9	EMPC	2.1		0.80	U	0.50	U	51.8	
1,2,3,7,8-PeCDD	5.1		5.1		1.0	U	0.50	U	112	
1,2,3,7,8-PeCDF	12.1	EB	14.7		0.50	U	1.2	EMPC	239	
1,2,4,5,7,8-hexachloro(9H)xanthene	12.87	J	15.79		0.00	U	0.00	U	3.99	J
2,3,4,6,7,8-HxCDF	48.1	EB	57.1		1.8	J	2.2	J	1260	
2,3,4,7,8-PeCDF	26.5	EB	36.2		1.1	J	1.2	EMPC	745	
2,3,7,8-TCDD	118	EB	118		2.7		5.1		46.1	
2,3,7,8-TCDF	53.9	EB	73.8		3.2		3.7		811	$
OCDD	1780		1780		183	JEB	428	JEB	3160	EMPC$
OCDF	161	EB	174		13.3	J	35.1	J	2240	J
Total HpCDD	555	JEB	556		41.6	J	96.2	J	4760	J$
Total HpCDF	316	J	363		16.9	J	45.1	J	4540	J$
Total HxCDD	253	J	326		3.0	J	19.8	J	3360	J$
Total HxCDF	309	JEB	361		14.1	J	25.5	J	4950	J$
Total PeCDD	132	J	181		2.9	EMPC	5.8	J	2620	J
Total PeCDF	289	JEB	401		11.1	J	18.3	J	7370	J
Total TCDD	181	JEB	181		4.3	J	7.8	J	1460	J
Total TCDF	265	JEB	381		17.2	J	23.5	J	3220	J$
Toxicity Equivalency	169		169		5.2		8.4		1170	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-DU-111899B		RES-SS-11-432-01-MAX		RES-SS-11-432-02		RES-SS-11-432-03		RES-SS-11-433-01	
Sample Location	RES-11-432-01		RES-11-432-01		RES-11-432-02		RES-11-432-03		RES-11-433-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup. RES-SS-11-432-01		Field Dup. RES-SS-11-432-01		None		None		None	
TAL Metal Analysis (MG/KG)			MALJ73						MALJ74	
Aluminum		NA	4160			NA		NA	11500	J
Antimony		NA	3.1			NA		NA	17.0	
Arsenic		NA	2.6			NA		NA	9.6	
Barium		NA	45.3			NA		NA	208	
Beryllium		NA	0.41	U		NA		NA	0.72	R
Cadmium		NA	0.53			NA		NA	5.2	
Calcium		NA	3770			NA		NA	15500	
Chromium		NA	28.2			NA		NA	275	
Cobalt		NA	2.5			NA		NA	5.1	
Copper		NA	138			NA		NA	25500	
Iron		NA	7480			NA		NA	60200	
Lead		NA	79.7			NA		NA	342	
Magnesium		NA	951			NA		NA	2020	
Manganese		NA	228			NA		NA	486	
Mercury		NA	0.21	U		NA		NA	0.36	R
Nickel		NA	9.8			NA		NA	64.6	
Potassium		NA	313			NA		NA	742	
Selenium		NA	2.1	U		NA		NA	3.6	R
Silver		NA	0.41	U		NA		NA	1.4	
Sodium		NA	502			NA		NA	747	
Thallium		NA	2.9	U		NA		NA	5.0	R
Vanadium		NA	9.9			NA		NA	20.8	
Zinc		NA	136			NA		NA	1110	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-433-02		RES-SS-11-433-03		RES-SS-11-486-01		RES-SS-DU-111899C		RES-SS-11-486-01-MAX	
Sample Location	RES-11-433-02		RES-11-433-03		RES-11-486-01		RES-11-486-01		RES-11-486-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	None		None		Field Dup. RES-SS-11-486-01		Field Dup. RES-SS-11-486-01		Field Dup. RES-SS-11-486-01	
Semivolatile Organic Analysis (UG/KG)					AQC27				AQC27	
1,1'-Biphenyl	NA		NA		4800	U	NA		4800	U
2,2'-oxybis(1-Chloropropane)	NA		NA		4800	U	NA		4800	U
2,4,5-Trichlorophenol	NA		NA		12000	U	NA		12000	U
2,4,6-Trichlorophenol	NA		NA		4800	U	NA		4800	U
2,4-Dichlorophenol	NA		NA		4800	U	NA		4800	U
2,4-Dimethylphenol	NA		NA		4800	U	NA		4800	U
2,4-Dinitrophenol	NA		NA		12000	U	NA		12000	U
2,4-Dinitrotoluene	NA		NA		4800	U	NA		4800	U
2,6-Dinitrotoluene	NA		NA		4800	U	NA		4800	U
2-Chloronaphthalene	NA		NA		4800	U	NA		4800	U
2-Chlorophenol	NA		NA		4800	U	NA		4800	U
2-Methylnaphthalene	NA		NA		4800	U	NA		4800	U
2-Methylphenol	NA		NA		4800	U	NA		4800	U
2-Nitroaniline	NA		NA		12000	U	NA		12000	U
2-Nitrophenol	NA		NA		4800	U	NA		4800	U
3,3'-Dichlorobenzidine	NA		NA		4800	U	NA		4800	U
3-Nitroaniline	NA		NA		12000	U	NA		12000	U
4,6-Dinitro-2-methylphenol	NA		NA		12000	U	NA		12000	U
4-Bromophenyl-phenylether	NA		NA		4800	U	NA		4800	U
4-Chloro-3-methylphenol	NA		NA		4800	U	NA		4800	U
4-Chloroaniline	NA		NA		4800	U	NA		4800	U
4-Chlorophenyl-phenylether	NA		NA		4800	U	NA		4800	U
4-Methylphenol	NA		NA		4800	U	NA		4800	U
4-Nitroaniline	NA		NA		12000	U	NA		12000	U
4-Nitrophenol	NA		NA		12000	U	NA		12000	U
Acenaphthene	NA		NA		4800	U	NA		4800	U
Acenaphthylene	NA		NA		4800	U	NA		4800	U
Acetophenone	NA		NA		4800	U	NA		4800	U
Anthracene	NA		NA		4800	U	NA		4800	U
Atrazine	NA		NA		4800	U	NA		4800	U
Benzaldehyde	NA		NA		4800	U	NA		4800	U
Benzo(a)anthracene	NA		NA		840	J	NA		840	
Benzo(a)pyrene	NA		NA		840	J	NA		840	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-433-02		RES-SS-11-433-03		RES-SS-11-486-01		RES-SS-DU-111899C		RES-SS-11-486-01-MAX	
Sample Location	RES-11-433-02		RES-11-433-03		RES-11-486-01		RES-11-486-01		RES-11-486-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	None		None		Field Dup. RES-SS-11-486-01		Field Dup. RES-SS-11-486-01		Field Dup. RES-SS-11-486-01	
Benzo(b)fluoranthene		NA	NA		1200	J		NA	1200	
Benzo(g,h,i)perylene		NA	NA		4800	U		NA	4800	U
Benzo(k)fluoranthene		NA	NA		800	J		NA	800	
Bis(2-Chloroethoxy)methane		NA	NA		4800	U		NA	4800	U
Bis(2-Chloroethyl)ether		NA	NA		4800	U		NA	4800	U
bis(2-Ethylhexyl)phthalate		NA	NA		4800	U		NA	4800	U
Butylbenzylphthalate		NA	NA		4800	U		NA	4800	U
Caprolactam		NA	NA		4800	U		NA	4800	U
Carbazole		NA	NA		4800	U		NA	4800	U
Chrysene		NA	NA		1100	J		NA	1100	
Di-n-Butylphthalate		NA	NA		4800	U		NA	4800	U
Di-n-octylphthalate		NA	NA		4800	U		NA	4800	U
Dibenzo(a,h)anthracene		NA	NA		4800	U		NA	4800	U
Dibenzofuran		NA	NA		4800	U		NA	4800	U
Diethylphthalate		NA	NA		4800	U		NA	4800	U
Dimethylphthalate		NA	NA		4800	U		NA	4800	U
Fluoranthene		NA	NA		1700	J		NA	1700	
Fluorene		NA	NA		4800	U		NA	4800	U
Hexachlorobenzene		NA	NA		4800	U		NA	4800	U
Hexachlorobutadiene		NA	NA		4800	U		NA	4800	U
Hexachlorocyclopentadiene		NA	NA		4800	U		NA	4800	U
Hexachloroethane		NA	NA		4800	U		NA	4800	U
Indeno(1,2,3-cd)pyrene		NA	NA		4800	U		NA	4800	U
Isophorone		NA	NA		4800	U		NA	4800	U
N-Nitroso-di-n-propylamine		NA	NA		4800	U		NA	4800	U
N-Nitroso-diphenylamine		NA	NA		4800	U		NA	4800	U
Naphthalene		NA	NA		4800	U		NA	4800	U
Nitrobenzene		NA	NA		4800	U		NA	4800	U
Pentachlorophenol		NA	NA		12000	U		NA	12000	U
Phenanthrene		NA	NA		660	J		NA	660	
Phenol		NA	NA		4800	U		NA	4800	U
Pyrene		NA	NA		1200	J		NA	1200	
Total PAH		NA	NA		1000			NA	1000	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-433-02		RES-SS-11-433-03		RES-SS-11-486-01		RES-SS-DU-111899C		RES-SS-11-486-01-MAX	
Sample Location	RES-11-433-02		RES-11-433-03		RES-11-486-01		RES-11-486-01		RES-11-486-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	None		None		Field Dup. RES-SS-11-486-01		Field Dup. RES-SS-11-486-01		Field Dup. RES-SS-11-486-01	
Pesticide/PCB Analysis (UG/KG)					AQC27				AQC27	
4,4'-DDD	NA		NA		10		NA		10	
4,4'-DDE	NA		NA		56		NA		56	
4,4'-DDT	NA		NA		26		NA		26	
Aldrin	NA		NA		5.0	U	NA		5.0	U
alpha-BHC	NA		NA		5.0	U	NA		5.0	U
alpha-Chlordane	NA		NA		26		NA		26	
Aroclor, Total	NA		NA		200	U	NA		200	U
Aroclor-1016	NA		NA		97	U	NA		97	U
Aroclor-1221	NA		NA		200	U	NA		200	U
Aroclor-1232	NA		NA		97	U	NA		97	U
Aroclor-1242	NA		NA		97	U	NA		97	U
Aroclor-1248	NA		NA		97	U	NA		97	U
Aroclor-1254	NA		NA		97	U	NA		97	U
Aroclor-1260	NA		NA		97	U	NA		97	U
beta-BHC	NA		NA		5.0	U	NA		5.0	U
delta-BHC	NA		NA		5.0	U	NA		5.0	U
Dieldrin	NA		NA		9.7	U	NA		9.7	U
Endosulfan I	NA		NA		5.0	U	NA		5.0	U
Endosulfan II	NA		NA		9.7	U	NA		9.7	U
Endosulfan Sulfate	NA		NA		9.7	U	NA		9.7	U
Endrin	NA		NA		9.7	U	NA		9.7	U
Endrin Aldehyde	NA		NA		9.7	U	NA		9.7	U
Endrin Ketone	NA		NA		9.7	U	NA		9.7	U
gamma-BHC	NA		NA		5.0	U	NA		5.0	U
gamma-Chlordane	NA		NA		16		NA		16	
Heptachlor	NA		NA		5.0	U	NA		5.0	U
Heptachlor Epoxide	NA		NA		5.0	U	NA		5.0	U
Methoxychlor	NA		NA		50	U	NA		50	U
Toxaphene	NA		NA		500	U	NA		500	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-433-02		RES-SS-11-433-03		RES-SS-11-486-01		RES-SS-DU-111899C		RES-SS-11-486-01-MAX	
Sample Location	RES-11-433-02		RES-11-433-03		RES-11-486-01		RES-11-486-01		RES-11-486-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	None		None		Field Dup. RES-SS-11-486-01		Field Dup. RES-SS-11-486-01		Field Dup. RES-SS-11-486-01	
Dioxin Analysis (NG/KG)	D01416		D01418		D01419		D01408		D01408	
1,2,3,4,6,7,8-HpCDD	455	J	212	EB	410	EB	433	EB	433	
1,2,3,4,6,7,8-HpCDF	305		68.8		130		129		130	
1,2,3,4,7,8,9-HpCDF	43.7		7.0	EB	9.8	EB	10.1	EB	10.1	
1,2,3,4,7,8-HxCDD	15.0		3.0	J	7.2		7.1		7.2	
1,2,3,4,7,8-HxCDF	138	EB	26.7		13.2		15.7		15.7	
1,2,3,6,7,8-HxCDD	28.6		9.7		21.6		21.0		21.6	
1,2,3,6,7,8-HxCDF	42.5		9.0	EB	8.8	EB	9.5	EB	9.5	
1,2,3,7,8,9-HxCDD	45.2		11.4	EB	19.4	EB	18.9	EB	19.4	
1,2,3,7,8,9-HxCDF	3.8	J	0.69	JEB	1.1	JEB	0.67	JEB	1.1	
1,2,3,7,8-PeCDD	7.4		2.0	J	3.9	J	4.5	J	4.5	
1,2,3,7,8-PeCDF	13.3		4.9	JEB	2.5	EMPC	4.6	JEB	4.6	
1,2,4,5,7,8-hexachloro(9H)xanthene	4.45	J	0.00	U	9.0	J	7.47	J	9.0	
2,3,4,6,7,8-HxCDF	81.2		15.2	EB	12.9	EB	13.5	EB	13.5	
2,3,4,7,8-PeCDF	31.4		7.7	EB	6.7	EB	7.3	EB	7.3	
2,3,7,8-TCDD	72.8		11.4	EB	23.9	EB	27.3	EB	27.3	
2,3,7,8-TCDF	46.1		15.0	EB	15.3	EB	14.7	EB	15.3	
OCDD	2560	JEB	1190	J	2590		2590		2590	
OCDF	237	J	72.9	JEB	265	EB	303	EB	303	
Total HpCDD	857	J	416	JEB	774	JEB	831	JEB	831	
Total HpCDF	532	J	122	J	354	J	343	J	354	
Total HxCDD	350	J	155	J	150	J	150	J	150	
Total HxCDF	536	J	107	JEB	164	JEB	187	JEB	187	
Total PeCDD	125	J	64.2	J	32.8	J	41.0	J	41.0	
Total PeCDF	339	J	83.9	JEB	111	JEB	133	JEB	133	
Total TCDD	124	J	41.0	JEB	40.0	JEB	49.4	JEB	49.4	
Total TCDF	265	J	73.6	JEB	116	JEB	104	JEB	116	
Toxicity Equivalency	145		29.6		47.0		51.8		51.8	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-433-02		RES-SS-11-433-03		RES-SS-11-486-01		RES-SS-DU-111899C		RES-SS-11-486-01-MAX	
Sample Location	RES-11-433-02		RES-11-433-03		RES-11-486-01		RES-11-486-01		RES-11-486-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	None		None		Field Dup. RES-SS-11-486-01		Field Dup. RES-SS-11-486-01		Field Dup. RES-SS-11-486-01	
TAL Metal Analysis (MG/KG)					MALJ77				MALJ77	
Aluminum		NA		NA	6880	J		NA	6880	
Antimony		NA		NA	5.8			NA	5.8	
Arsenic		NA		NA	6.5			NA	6.5	
Barium		NA		NA	136			NA	136	
Beryllium		NA		NA	0.67	R		NA		NA
Cadmium		NA		NA	0.67	R		NA		NA
Calcium		NA		NA	8640			NA	8640	
Chromium		NA		NA	404			NA	404	
Cobalt		NA		NA	4.3			NA	4.3	
Copper		NA		NA	76.0			NA	76.0	
Iron		NA		NA	19700			NA	19700	
Lead		NA		NA	436			NA	436	
Magnesium		NA		NA	2240			NA	2240	
Manganese		NA		NA	314			NA	314	
Mercury		NA		NA	0.35	R		NA		NA
Nickel		NA		NA	25.9			NA	25.9	
Potassium		NA		NA	699			NA	699	
Selenium		NA		NA	3.4	R		NA		NA
Silver		NA		NA	0.95	U		NA	0.95	U
Sodium		NA		NA	1140			NA	1140	
Thallium		NA		NA	4.7	R		NA		NA
Vanadium		NA		NA	21.4			NA	21.4	
Zinc		NA		NA	364			NA	364	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-486-02		RES-SS-11-486-03		RES-SS-11-497-01		RES-SS-11-497-02		RES-SS-11-497-03	
Sample Location	RES-11-486-02		RES-11-486-03		RES-11-497-01		RES-11-497-02		RES-11-497-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		12/2/99		12/2/99		12/2/99	
QC Identifier	None		None		None		None		None	
Semivolatile Organic Analysis (UG/KG)					APK89					
1,1'-Biphenyl	NA		NA		440	U	NA		NA	
2,2'-oxybis(1-Chloropropane)	NA		NA		440	U	NA		NA	
2,4,5-Trichlorophenol	NA		NA		1100	U	NA		NA	
2,4,6-Trichlorophenol	NA		NA		440	U	NA		NA	
2,4-Dichlorophenol	NA		NA		440	U	NA		NA	
2,4-Dimethylphenol	NA		NA		440	U	NA		NA	
2,4-Dinitrophenol	NA		NA		1100	U	NA		NA	
2,4-Dinitrotoluene	NA		NA		440	U	NA		NA	
2,6-Dinitrotoluene	NA		NA		440	U	NA		NA	
2-Chloronaphthalene	NA		NA		440	U	NA		NA	
2-Chlorophenol	NA		NA		440	U	NA		NA	
2-Methylnaphthalene	NA		NA		440	U	NA		NA	
2-Methylphenol	NA		NA		440	U	NA		NA	
2-Nitroaniline	NA		NA		1100	U	NA		NA	
2-Nitrophenol	NA		NA		440	U	NA		NA	
3,3'-Dichlorobenzidine	NA		NA		440	U	NA		NA	
3-Nitroaniline	NA		NA		1100	U	NA		NA	
4,6-Dinitro-2-methylphenol	NA		NA		1100	U	NA		NA	
4-Bromophenyl-phenylether	NA		NA		440	U	NA		NA	
4-Chloro-3-methylphenol	NA		NA		440	U	NA		NA	
4-Chloroaniline	NA		NA		440	U	NA		NA	
4-Chlorophenyl-phenylether	NA		NA		440	U	NA		NA	
4-Methylphenol	NA		NA		440	U	NA		NA	
4-Nitroaniline	NA		NA		1100	U	NA		NA	
4-Nitrophenol	NA		NA		1100	U	NA		NA	
Acenaphthene	NA		NA		440	U	NA		NA	
Acenaphthylene	NA		NA		440	U	NA		NA	
Acetophenone	NA		NA		440	U	NA		NA	
Anthracene	NA		NA		440	U	NA		NA	
Atrazine	NA		NA		440	U	NA		NA	
Benzaldehyde	NA		NA		440	U	NA		NA	
Benzo(a)anthracene	NA		NA		440	U	NA		NA	
Benzo(a)pyrene	NA		NA		440	U	NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-486-02		RES-SS-11-486-03		RES-SS-11-497-01		RES-SS-11-497-02		RES-SS-11-497-03	
Sample Location	RES-11-486-02		RES-11-486-03		RES-11-497-01		RES-11-497-02		RES-11-497-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		12/2/99		12/2/99		12/2/99	
QC Identifier	None		None		None		None		None	
Benzo(b)fluoranthene		NA		NA	440	U		NA		NA
Benzo(g,h,i)perylene		NA		NA	440	U		NA		NA
Benzo(k)fluoranthene		NA		NA	440	U		NA		NA
Bis(2-Chloroethoxy)methane		NA		NA	440	U		NA		NA
Bis(2-Chloroethyl)ether		NA		NA	440	U		NA		NA
bis(2-Ethylhexyl)phthalate		NA		NA	130	J		NA		NA
Butylbenzylphthalate		NA		NA	440	U		NA		NA
Caprolactam		NA		NA	440	U		NA		NA
Carbazole		NA		NA	440	U		NA		NA
Chrysene		NA		NA	440	U		NA		NA
Di-n-Butylphthalate		NA		NA	440	U		NA		NA
Di-n-octylphthalate		NA		NA	440	U		NA		NA
Dibenzo(a,h)anthracene		NA		NA	440	U		NA		NA
Dibenzofuran		NA		NA	440	U		NA		NA
Diethylphthalate		NA		NA	440	U		NA		NA
Dimethylphthalate		NA		NA	440	U		NA		NA
Fluoranthene		NA		NA	440	U		NA		NA
Fluorene		NA		NA	440	U		NA		NA
Hexachlorobenzene		NA		NA	440	U		NA		NA
Hexachlorobutadiene		NA		NA	440	U		NA		NA
Hexachlorocyclopentadiene		NA		NA	440	U		NA		NA
Hexachloroethane		NA		NA	440	U		NA		NA
Indeno(1,2,3-cd)pyrene		NA		NA	440	U		NA		NA
Isophorone		NA		NA	440	U		NA		NA
N-Nitroso-di-n-propylamine		NA		NA	440	U		NA		NA
N-Nitroso-diphenylamine		NA		NA	440	U		NA		NA
Naphthalene		NA		NA	440	U		NA		NA
Nitrobenzene		NA		NA	440	U		NA		NA
Pentachlorophenol		NA		NA	1100	U		NA		NA
Phenanthrene		NA		NA	440	U		NA		NA
Phenol		NA		NA	440	U		NA		NA
Pyrene		NA		NA	440	U		NA		NA
Total PAH		NA		NA	440	U		NA		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-486-02		RES-SS-11-486-03		RES-SS-11-497-01		RES-SS-11-497-02		RES-SS-11-497-03	
Sample Location	RES-11-486-02		RES-11-486-03		RES-11-497-01		RES-11-497-02		RES-11-497-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		12/2/99		12/2/99		12/2/99	
QC Identifier	None		None		None		None		None	
Pesticide/PCB Analysis (UG/KG)					APK69					
4,4'-DDD	NA		NA		4.4	U	NA		NA	
4,4'-DDE	NA		NA		4.4	U	NA		NA	
4,4'-DDT	NA		NA		4.4	U	NA		NA	
Aldrin	NA		NA		2.3	U	NA		NA	
alpha-BHC	NA		NA		2.3	U	NA		NA	
alpha-Chlordane	NA		NA		3.5		NA		NA	
Aroclor, Total	NA		NA		30		NA		NA	
Aroclor-1016	NA		NA		44	U	NA		NA	
Aroclor-1221	NA		NA		89	U	NA		NA	
Aroclor-1232	NA		NA		44	U	NA		NA	
Aroclor-1242	NA		NA		44	U	NA		NA	
Aroclor-1248	NA		NA		44	U	NA		NA	
Aroclor-1254	NA		NA		30	J	NA		NA	
Aroclor-1260	NA		NA		44	U	NA		NA	
beta-BHC	NA		NA		2.3	U	NA		NA	
delta-BHC	NA		NA		2.3	U	NA		NA	
Dieldrin	NA		NA		4.4	U	NA		NA	
Endosulfan I	NA		NA		2.3	U	NA		NA	
Endosulfan II	NA		NA		4.4	U	NA		NA	
Endosulfan Sulfate	NA		NA		4.4	U	NA		NA	
Endrin	NA		NA		4.4	U	NA		NA	
Endrin Aldehyde	NA		NA		4.4	U	NA		NA	
Endrin Ketone	NA		NA		4.4	U	NA		NA	
gamma-BHC	NA		NA		2.3	U	NA		NA	
gamma-Chlordane	NA		NA		2.7		NA		NA	
Heptachlor	NA		NA		2.3	U	NA		NA	
Heptachlor Epoxide	NA		NA		2.3	U	NA		NA	
Methoxychlor	NA		NA		23	U	NA		NA	
Toxaphene	NA		NA		230	U	NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-486-02		RES-SS-11-486-03		RES-SS-11-497-01		RES-SS-11-497-02		RES-SS-11-497-03	
Sample Location	RES-11-486-02		RES-11-486-03		RES-11-497-01		RES-11-497-02		RES-11-497-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		12/2/99		12/2/99		12/2/99	
QC Identifier	None		None		None		None		None	
Dioxin Analysis (NG/KG)	D01420		D01421		D01159		D01160		D01161	
1,2,3,4,6,7,8-HpCDD	108	EB	107	EB	9.4	J	14.8	J	14.5	J
1,2,3,4,6,7,8-HpCDF	39.1		100		2.6	UJ	4.9	J	7.5	J
1,2,3,4,7,8,9-HpCDF	3.8	JEB	13.8	EB	0.40	UJ	1.5	J	1.8	J
1,2,3,4,7,8-HxCDD	2.8	J	5.8		0.40	UJ	1.6	J	1.9	J
1,2,3,4,7,8-HxCDF	10.9		65.1		0.67	UJ	2.1	UJ	3.4	UJ
1,2,3,6,7,8-HxCDD	7.7		15.1		0.73	UJ	1.9	UJ	2.3	UJ
1,2,3,6,7,8-HxCDF	6.2	EB	29.8	EB	0.22	EMPC	1.7	UJ	2.3	J
1,2,3,7,8,9-HxCDD	7.8	EB	20.3	EB	0.87	UJ	2.1	UJ	2.4	UJ
1,2,3,7,8,9-HxCDF	0.88	EMPC	2.9	JEB	0.30	UJ	1.3	J	1.3	J
1,2,3,7,8-PeCDD	2.7	J	9.0		0.30	UJ	1.4	UJ	1.6	UJ
1,2,3,7,8-PeCDF	0.40	U	0.40	U	0.42	EMPC	1.6	UJ	2.8	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	17.36	J	0.00	U	1.97	J	0.00	U	0.00	U
2,3,4,6,7,8-HxCDF	11.2	EB	44.8	EB	0.20	UJ	1.7	J	2.7	J
2,3,4,7,8-PeCDF	7.4	EB	37.2	EB	0.45	UJ	1.6	UJ	2.6	UJ
2,3,7,8-TCDD	60.0	EB	9.5	EB	7.0	J	4.1	J	2.2	J
2,3,7,8-TCDF	15.0	EB	87.1	EB	0.20	UJ	1.4	UJ	2.6	UJ
OCDD	858		460		64.6	J	148	J	87.8	J
OCDF	58.9	EB	67.6	EB	4.4	UJ	8.3	J	11.6	J
Total HpCDD	303	JEB	205	JEB	17.0	J	29.6	J	31.5	J
Total HpCDF	96.7	J	184	J	4.4	UJ	10.1	UJ	14.3	J
Total HxCDD	78.9	J	315	J	4.5	EMPC	11.3	UJ	15.1	UJ
Total HxCDF	133	JEB	388	JEB	3.2	EMPC	10.9	EMPC	19.9	EMPC
Total PeCDD	34.3	J	214	J	0.67	UJ	4.7	EMPC	10.0	EMPC
Total PeCDF	161	JEB	519	JEB	2.4	EMPC	8.2	EMPC	21.7	EMPC
Total TCDD	78.8	JEB	220	JEB	7.0	UJ	5.3	EMPC	6.5	EMPC
Total TCDF	138	JEB	582	JEB	2.6	EMPC	11.0	EMPC	22.8	EMPC
Toxicity Equivalency	74.3		66.5		7.6		8.4		5.4	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-486-02		RES-SS-11-486-03		RES-SS-11-497-01		RES-SS-11-497-02		RES-SS-11-497-03	
Sample Location	RES-11-486-02		RES-11-486-03		RES-11-497-01		RES-11-497-02		RES-11-497-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		12/2/99		12/2/99		12/2/99	
QC Identifier	None		None		None		None		None	
TAL Metal Analysis (MG/KG)					MAMA86					
Aluminum		NA		NA	5170			NA		NA
Antimony		NA		NA	1.3	U		NA		NA
Arsenic		NA		NA	3.0			NA		NA
Barium		NA		NA	53.3			NA		NA
Beryllium		NA		NA	0.26	U		NA		NA
Cadmium		NA		NA	0.26	U		NA		NA
Calcium		NA		NA	2310			NA		NA
Chromium		NA		NA	8.3			NA		NA
Cobalt		NA		NA	4.4			NA		NA
Copper		NA		NA	20.4			NA		NA
Iron		NA		NA	8040			NA		NA
Lead		NA		NA	10.4			NA		NA
Magnesium		NA		NA	2550			NA		NA
Manganese		NA		NA	200			NA		NA
Mercury		NA		NA	0.12	U		NA		NA
Nickel		NA		NA	7.7			NA		NA
Potassium		NA		NA	929			NA		NA
Selenium		NA		NA	1.3	UJ		NA		NA
Silver		NA		NA	0.26	U		NA		NA
Sodium		NA		NA	134			NA		NA
Thallium		NA		NA	1.8	U		NA		NA
Vanadium		NA		NA	10.7			NA		NA
Zinc		NA		NA	99.7			NA		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-577-01		RES-SS-DU-111899E		RES-SS-11-577-01-MAX		RES-SS-11-577-02		RES-SS-11-577-03	
Sample Location	RES-11-577-01		RES-11-577-01		RES-11-577-01		RES-11-577-02		RES-11-577-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup. RES-SS-11-577-01		Field Dup. RES-SS-11-577-01		Field Dup. RES-SS-11-577-01		None		None	
Semivolatile Organic Analysis (UG/KG)	AQC29				AQC29					
1,1'-Biphenyl	3900	U	NA		3900	U	NA		NA	
2,2'-oxybis(1-Chloropropane)	3900	U	NA		3900	U	NA		NA	
2,4,5-Trichlorophenol	9800	U	NA		9800	U	NA		NA	
2,4,6-Trichlorophenol	3900	U	NA		3900	U	NA		NA	
2,4-Dichlorophenol	3900	U	NA		3900	U	NA		NA	
2,4-Dimethylphenol	3900	U	NA		3900	U	NA		NA	
2,4-Dinitrophenol	9800	U	NA		9800	U	NA		NA	
2,4-Dinitrotoluene	3900	U	NA		3900	U	NA		NA	
2,6-Dinitrotoluene	3900	U	NA		3900	U	NA		NA	
2-Chloronaphthalene	3900	U	NA		3900	U	NA		NA	
2-Chlorophenol	3900	U	NA		3900	U	NA		NA	
2-Methylnaphthalene	3900	U	NA		3900	U	NA		NA	
2-Methylphenol	3900	U	NA		3900	U	NA		NA	
2-Nitroaniline	9800	U	NA		9800	U	NA		NA	
2-Nitrophenol	3900	U	NA		3900	U	NA		NA	
3,3'-Dichlorobenzidine	3900	U	NA		3900	U	NA		NA	
3-Nitroaniline	9800	U	NA		9800	U	NA		NA	
4,6-Dinitro-2-methylphenol	9800	U	NA		9800	U	NA		NA	
4-Bromophenyl-phenylether	3900	U	NA		3900	U	NA		NA	
4-Chloro-3-methylphenol	3900	U	NA		3900	U	NA		NA	
4-Chloroaniline	3900	U	NA		3900	U	NA		NA	
4-Chlorophenyl-phenylether	3900	U	NA		3900	U	NA		NA	
4-Methylphenol	3900	U	NA		3900	U	NA		NA	
4-Nitroaniline	9800	U	NA		9800	U	NA		NA	
4-Nitrophenol	9800	U	NA		9800	U	NA		NA	
Acenaphthene	3900	U	NA		3900	U	NA		NA	
Acenaphthylene	3900	U	NA		3900	U	NA		NA	
Acetophenone	3900	U	NA		3900	U	NA		NA	
Anthracene	3900	U	NA		3900	U	NA		NA	
Atrazine	3900	U	NA		3900	U	NA		NA	
Benzaldehyde	3900	U	NA		3900	U	NA		NA	
Benzo(a)anthracene	3900	U	NA		3900	U	NA		NA	
Benzo(a)pyrene	3900	U	NA		3900	U	NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-577-01		RES-SS-DU-111899E		RES-SS-11-577-01-MAX		RES-SS-11-577-02		RES-SS-11-577-03	
Sample Location	RES-11-577-01		RES-11-577-01		RES-11-577-01		RES-11-577-02		RES-11-577-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup. RES-SS-11-577-01		Field Dup. RES-SS-11-577-01		Field Dup. RES-SS-11-577-01		None		None	
Benzo(b)fluoranthene	210	J	NA		210		NA		NA	
Benzo(g,h,i)perylene	3900	UJ	NA		3900	U	NA		NA	
Benzo(k)fluoranthene	250	J	NA		250		NA		NA	
Bis(2-Chloroethoxy)methane	3900	U	NA		3900	U	NA		NA	
Bis(2-Chloroethyl)ether	3900	U	NA		3900	U	NA		NA	
bis(2-Ethylhexyl)phthalate	1200	J	NA		1200		NA		NA	
Butylbenzylphthalate	3900	UJ	NA		3900	U	NA		NA	
Caprolactam	3900	U	NA		3900	U	NA		NA	
Carbazole	3900	U	NA		3900	U	NA		NA	
Chrysene	3900	U	NA		3900	U	NA		NA	
Di-n-Butylphthalate	3900	U	NA		3900	U	NA		NA	
Di-n-octylphthalate	3900	UJ	NA		3900	U	NA		NA	
Dibenzo(a,h)anthracene	3900	U	NA		3900	U	NA		NA	
Dibenzofuran	3900	U	NA		3900	U	NA		NA	
Diethylphthalate	3900	U	NA		3900	U	NA		NA	
Dimethylphthalate	3900	U	NA		3900	U	NA		NA	
Fluoranthene	3900	U	NA		3900	U	NA		NA	
Fluorene	3900	U	NA		3900	U	NA		NA	
Hexachlorobenzene	3900	U	NA		3900	U	NA		NA	
Hexachlorobutadiene	3900	U	NA		3900	U	NA		NA	
Hexachlorocyclopentadiene	3900	UJ	NA		3900	U	NA		NA	
Hexachloroethane	3900	U	NA		3900	U	NA		NA	
Indeno(1,2,3-cd)pyrene	3900	U	NA		3900	U	NA		NA	
Isophorone	3900	U	NA		3900	U	NA		NA	
N-Nitroso-di-n-propylamine	3900	U	NA		3900	U	NA		NA	
N-Nitroso-diphenylamine	3900	U	NA		3900	U	NA		NA	
Naphthalene	3900	U	NA		3900	U	NA		NA	
Nitrobenzene	3900	U	NA		3900	U	NA		NA	
Pentachlorophenol	9800	UJ	NA		9800	U	NA		NA	
Phenanthrene	3900	U	NA		3900	U	NA		NA	
Phenol	3900	U	NA		3900	U	NA		NA	
Pyrene	3900	UJ	NA		3900	U	NA		NA	
Total PAH	24		NA		24		NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-577-01		RES-SS-DU-111899E		RES-SS-11-577-01-MAX		RES-SS-11-577-02		RES-SS-11-577-03	
Sample Location	RES-11-577-01		RES-11-577-01		RES-11-577-01		RES-11-577-02		RES-11-577-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup RES-SS-11-577-01		Field Dup RES-SS-11-577-01		Field Dup RES-SS-11-577-01		None		None	
Pesticide/PCB Analysis (UG/KG)	AQC29				AQC29					
4,4'-DDD	7.8	U	NA		7.8	U	NA		NA	
4,4'-DDE	12		NA		12		NA		NA	
4,4'-DDT	9.6		NA		9.6		NA		NA	
Aldrin	4.0	U	NA		4.0	U	NA		NA	
alpha-BHC	4.0	U	NA		4.0	U	NA		NA	
alpha-Chlordane	4.0	U	NA		4.0	U	NA		NA	
Aroclor, Total	86		NA		86		NA		NA	
Aroclor-1016	78	U	NA		78	U	NA		NA	
Aroclor-1221	160	U	NA		160	U	NA		NA	
Aroclor-1232	78	U	NA		78	U	NA		NA	
Aroclor-1242	78	U	NA		78	U	NA		NA	
Aroclor-1248	78	U	NA		78	U	NA		NA	
Aroclor-1254	86		NA		86		NA		NA	
Aroclor-1260	78	U	NA		78	U	NA		NA	
beta-BHC	4.0	U	NA		4.0	U	NA		NA	
delta-BHC	4.0	U	NA		4.0	U	NA		NA	
Dieldrin	7.8	U	NA		7.8	U	NA		NA	
Endosulfan I	4.0	U	NA		4.0	U	NA		NA	
Endosulfan II	14		NA		14		NA		NA	
Endosulfan Sulfate	7.8	U	NA		7.8	U	NA		NA	
Endrin	7.8	U	NA		7.8	U	NA		NA	
Endrin Aldehyde	7.8	U	NA		7.8	U	NA		NA	
Endrin Ketone	7.8	U	NA		7.8	U	NA		NA	
gamma-BHC	4.0	U	NA		4.0	U	NA		NA	
gamma-Chlordane	4.0	U	NA		4.0	U	NA		NA	
Heptachlor	4.0	U	NA		4.0	U	NA		NA	
Heptachlor Epoxide	4.0	U	NA		4.0	U	NA		NA	
Methoxychlor	40	U	NA		40	U	NA		NA	
Toxaphene	400	U	NA		400	U	NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-577-01		RES-SS-DU-111899E		RES-SS-11-577-01-MAX		RES-SS-11-577-02		RES-SS-11-577-03	
Sample Location	RES-11-577-01		RES-11-577-01		RES-11-577-01		RES-11-577-02		RES-11-577-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup RES-SS-11-577-01		Field Dup RES-SS-11-577-01		Field Dup RES-SS-11-577-01		None		None	
Dioxin Analysis (NG/KG)	D01429		D01425		D01429		D01430		D01431	
1,2,3,4,6,7,8-HpCDD	74 6		81 3	J	74 6		52 6		23 4	
1,2,3,4,6,7,8-HpCDF	31 4		35 3		35 3		45 6		18 8	J
1,2,3,4,7,8,9-HpCDF	2 8	J	2 8	J	2 8		3 7	EMPC	7 7	EMPC
1,2,3,4,7,8-HxCDD	2 8	J	3 4	J	3 4		3 7	J	1 1	J
1,2,3,4,7,8-HxCDF	19 5	EB	25 1	EB	25 1		40 6	EB	18 9	JEB
1,2,3,6,7,8-HxCDD	5 7		7 3		7 3		8 1		2 3	J
1,2,3,6,7,8-HxCDF	5 8		7 0		7 0		10 7		4 0	J
1,2,3,7,8,9-HxCDD	9 3		10 1		10 1		11 1		4 3	J
1,2,3,7,8,9-HxCDF	1 1	U	0 80	U	1 1	U	0 00	U	1 4	UJ
1,2,3,7,8-PeCDD	3 4	J	3 5	J	3 5		5 6	J	1 8	J
1,2,3,7,8-PeCDF	8 2		10 0		10 0		15 4		4 4	J
1,2,4,5,7,8-hexachloro(9H)xanthene	52 6	J	33 49	J	52 6		0 00	U	0 00	U
2,3,4,6,7,8-HxCDF	7 8		9 0		9 0		13 8		14 4	J
2,3,4,7,8-PeCDF	9 2		10 2		10 2		17 1		6 5	
2,3,7,8-TCDD	401		305	$	401		41 7		8 4	
2,3,7,8-TCDF	25 1		30 1		30 1		45 9		15 5	
OCDD	389	JEB	481	JEB	481		214	JEB	119	JEB
OCDF	37 8	J	43 4	J	43 4		30 2	J	10 4	J
Total HpCDD	161	J	175	J	175		119	J	50 6	J
Total HpCDF	60 3	J	67 1	J	67 1		66 8	J	39 6	J
Total HxCDD	95 2	J	119	J	119		162	J	45 4	J
Total HxCDF	94 0	J	120	J	120		144	J	53 7	J
Total PeCDD	69 3	J	110	J	110		207	J	43 4	J
Total PeCDF	211	J	310	J	310		272	J	53 7	J
Total TCDD	468	J	305	J$	468		187	J	26 2	J
Total TCDF	201	J	269	J	269		255	J	62 3	J
Toxicity Equivalency	418		325		418		71 1		20 3	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-11-577-01		RES-SS-DU-111899E		RES-SS-11-577-01-MAX		RES-SS-11-577-02		RES-SS-11-577-03	
Sample Location	RES-11-577-01		RES-11-577-01		RES-11-577-01		RES-11-577-02		RES-11-577-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/18/99	
QC Identifier	Field Dup. RES-SS-11-577-01		Field Dup. RES-SS-11-577-01		Field Dup. RES-SS-11-577-01		None		None	
TAL Metal Analysis (MG/KG)	MALJ79				MALJ79					
Aluminum	9980		NA		9980		NA		NA	
Antimony	1.0	UJ	NA		1.0	U	NA		NA	
Arsenic	5.1		NA		5.1		NA		NA	
Barium	40.5		NA		40.5		NA		NA	
Beryllium	0.65		NA		0.65		NA		NA	
Cadmium	0.15	U	NA		0.15	U	NA		NA	
Calcium	1290	U	NA		1290	U	NA		NA	
Chromium	24.3		NA		24.3		NA		NA	
Cobalt	3.6		NA		3.6		NA		NA	
Copper	26.2		NA		26.2		NA		NA	
Iron	12100		NA		12100		NA		NA	
Lead	176		NA		176		NA		NA	
Magnesium	1170	J	NA		1170		NA		NA	
Manganese	96.5		NA		96.5		NA		NA	
Mercury	0.18	J	NA		0.18		NA		NA	
Nickel	9.8		NA		9.8		NA		NA	
Potassium	649		NA		649		NA		NA	
Selenium	1.9		NA		1.9		NA		NA	
Silver	0.84	U	NA		0.84	U	NA		NA	
Sodium	77.0	U	NA		77.0	U	NA		NA	
Thallium	1.0	U	NA		1.0	U	NA		NA	
Vanadium	42.3		NA		42.3		NA		NA	
Zinc	50.4		NA		50.4		NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-239-01		RES-SS-12-240-01		RES-SS-DU-111699C		RES-SS-12-240-01-MAX		RES-SS-12-240-02	
Sample Location	RES-12-239-01		RES-12-240-01		RES-12-240-01		RES-12-240-01		RES-12-240-02	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	None		Field Dup. RES-SS-12-240-01		Field Dup. RES-SS-12-240-01		Field Dup. RES-SS-12-240-01		None	
Semivolatile Organic Analysis (UG/KG)	AQB96		AQB98				AQB98			
1,1'-Biphenyl	2600	U	5300	U		NA	5300	U		NA
2,2'-oxybis(1-Chloropropane)	2600	U	5300	U		NA	5300	U		NA
2,4,5-Trichlorophenol	6400	U	13000	U		NA	13000	U		NA
2,4,6-Trichlorophenol	2600	U	5300	U		NA	5300	U		NA
2,4-Dichlorophenol	2600	U	5300	U		NA	5300	U		NA
2,4-Dimethylphenol	2600	U	5300	U		NA	5300	U		NA
2,4-Dinitrophenol	6400	U	13000	U		NA	13000	U		NA
2,4-Dinitrotoluene	2600	U	5300	U		NA	5300	U		NA
2,6-Dinitrotoluene	2600	U	5300	U		NA	5300	U		NA
2-Chloronaphthalene	2600	U	5300	U		NA	5300	U		NA
2-Chlorophenol	2600	U	5300	U		NA	5300	U		NA
2-Methylnaphthalene	2600	U	5300	U		NA	5300	U		NA
2-Methylphenol	2600	U	5300	U		NA	5300	U		NA
2-Nitroaniline	6400	U	13000	U		NA	13000	U		NA
2-Nitrophenol	2600	U	5300	U		NA	5300	U		NA
3,3'-Dichlorobenzidine	2600	U	5300	U		NA	5300	U		NA
3-Nitroaniline	6400	U	13000	U		NA	13000	U		NA
4,6-Dinitro-2-methylphenol	6400	U	13000	U		NA	13000	U		NA
4-Bromophenyl-phenylether	2600	U	5300	U		NA	5300	U		NA
4-Chloro-3-methylphenol	2600	U	5300	U		NA	5300	U		NA
4-Chloroaniline	2600	U	5300	U		NA	5300	U		NA
4-Chlorophenyl-phenylether	2600	U	5300	U		NA	5300	U		NA
4-Methylphenol	2600	U	5300	U		NA	5300	U		NA
4-Nitroaniline	6400	U	13000	U		NA	13000	U		NA
4-Nitrophenol	6400	UJ	13000	UJ		NA	13000	U		NA
Acenaphthene	330	J	5300	U		NA	5300	U		NA
Acenaphthylene	2600	U	5300	U		NA	5300	U		NA
Acetophenone	2600	U	5300	U		NA	5300	U		NA
Anthracene	540	J	160	J		NA	160			NA
Atrazine	2600	U	5300	U		NA	5300	U		NA
Benzaldehyde	2600	U	5300	U		NA	5300	U		NA
Benzo(a)anthracene	3200		660	J		NA	660			NA
Benzo(a)pyrene	3800		970	J		NA	970			NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-239-01		RES-SS-12-240-01		RES-SS-DU-111699C		RES-SS-12-240-01-MAX		RES-SS-12-240-02	
Sample Location	RES-12-239-01		RES-12-240-01		RES-12-240-01		RES-12-240-01		RES-12-240-02	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	None		Field Dup RES-SS-12-240-01		Field Dup RES-SS-12-240-01		Field Dup RES-SS-12-240-01		None	
Benzo(b)fluoranthene	3800		1100	J	NA		1100		NA	
Benzo(g,h,i)perylene	680	J	860	J	NA		860		NA	
Benzo(k)fluoranthene	5000		1400	J	NA		1400		NA	
Bis(2-Chloroethoxy)methane	2600	U	5300	U	NA		5300	U	NA	
Bis(2-Chloroethyl)ether	2600	U	5300	U	NA		5300	U	NA	
bis(2-Ethylhexyl)phthalate	830	JEB	700	JEB	NA		700		NA	
Butylbenzylphthalate	2600	U	5300	U	NA		5300	U	NA	
Caprolactam	2600	U	5300	U	NA		5300	U	NA	
Carbazole	770	J	5300	U	NA		5300	U	NA	
Chrysene	4700		1100	J	NA		1100		NA	
Di-n-Butylphthalate	2600	U	5300	U	NA		5300	U	NA	
Di-n-octylphthalate	2600	U	5300	U	NA		5300	U	NA	
Dibenzo(a,h)anthracene	840	J	5300	U	NA		5300	U	NA	
Dibenzofuran	2600	U	5300	U	NA		5300	U	NA	
Diethylphthalate	2600	U	5300	U	NA		5300	U	NA	
Dimethylphthalate	2600	U	5300	U	NA		5300	U	NA	
Fluoranthene	9200		1600	J	NA		1600		NA	
Fluorene	350	J	5300	U	NA		5300	U	NA	
Hexachlorobenzene	2600	U	5300	U	NA		5300	U	NA	
Hexachlorobutadiene	2600	U	5300	U	NA		5300	U	NA	
Hexachlorocyclopentadiene	2600	U	5300	U	NA		5300	U	NA	
Hexachloroethane	2600	U	5300	U	NA		5300	U	NA	
Indeno(1,2,3-cd)pyrene	2700		890	J	NA		890		NA	
Isophorone	2600	U	5300	U	NA		5300	U	NA	
N-Nitroso-di-n-propylamine	2600	U	5300	U	NA		5300	U	NA	
N-Nitroso-diphenylamine	2600	U	5300	U	NA		5300	U	NA	
Naphthalene	2600	U	5300	U	NA		5300	U	NA	
Nitrobenzene	2600	U	5300	U	NA		5300	U	NA	
Pentachlorophenol	6400	U	13000	U	NA		13000	U	NA	
Phenanthrene	5000		560	J	NA		560		NA	
Phenol	2600	U	5300	U	NA		5300	U	NA	
Pyrene	6600		1300	J	NA		1300		NA	
Total PAH	6700		1300		NA		1300		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-239-01		RES-SS-12-240-01		RES-SS-DU-111699C		RES-SS-12-240-01-MAX		RES-SS-12-240-02	
Sample Location	RES-12-239-01		RES-12-240-01		RES-12-240-01		RES-12-240-01		RES-12-240-02	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	None		Field Dup RES-SS-12-240-01		Field Dup RES-SS-12-240-01		Field Dup RES-SS-12-240-01		None	
Pesticide/PCB Analysis (UG/KG)	AQB96		AQB98				AQB98			
4,4'-DDD	5.7	U	5.2	U		NA	5.2	U		NA
4,4'-DDE	5.7	U	37			NA	37			NA
4,4'-DDT	5.7	U	8.3			NA	8.3			NA
Aldrin	2.9	U	2.7	U		NA	2.7	U		NA
alpha-BHC	2.9	U	2.7	U		NA	2.7	U		NA
alpha-Chlordane	2.9	U	8.4			NA	8.4			NA
Aroclor, Total	60		620			NA	620			NA
Aroclor-1016	57	U	52	U		NA	52	U		NA
Aroclor-1221	120	U	110	U		NA	110	U		NA
Aroclor-1232	57	U	52	U		NA	52	U		NA
Aroclor-1242	57	U	52	U		NA	52	U		NA
Aroclor-1248	57	U	52	U		NA	52	U		NA
Aroclor-1254	60		620			NA	620			NA
Aroclor-1260	57	U	52	U		NA	52	U		NA
beta-BHC	2.9	U	2.7	U		NA	2.7	U		NA
delta-BHC	2.9	U	2.7	U		NA	2.7	U		NA
Dieldrin	6.3		81			NA	81			NA
Endosulfan I	2.9	U	2.7	U		NA	2.7	U		NA
Endosulfan II	5.7	U	5.2	U		NA	5.2	U		NA
Endosulfan Sulfate	5.7	U	6.4			NA	6.4			NA
Endrin	5.7	U	5.2	U		NA	5.2	U		NA
Endrin Aldehyde	5.7	U	5.2	U		NA	5.2	U		NA
Endrin Ketone	5.7	U	5.2	U		NA	5.2	U		NA
gamma-BHC	2.9	U	2.7	U		NA	2.7	U		NA
gamma-Chlordane	2.9	U	13			NA	13			NA
Heptachlor	2.9	U	2.7	U		NA	2.7	U		NA
Heptachlor Epoxide	2.9	U	6.3			NA	6.3			NA
Methoxychlor	29	U	27	U		NA	27	U		NA
Toxaphene	290	U	270	U		NA	270	U		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-239-01		RES-SS-12-240-01		RES-SS-DU-111699C		RES-SS-12-240-01-MAX		RES-SS-12-240-02	
Sample Location	RES-12-239-01		RES-12-240-01		RES-12-240-01		RES-12-240-01		RES-12-240-02	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	None		Field Dup. RES-SS-12-240-01		Field Dup. RES-SS-12-240-01		Field Dup. RES-SS-12-240-01		None	
Dioxin Analysis (NG/KG)			D01075		D01053		D01053		D01071	
1,2,3,4,6,7,8-HpCDD	NA		1610	J	1800	J	1800		1860	J
1,2,3,4,6,7,8-HpCDF	NA		354	J	405	J	405		240	J
1,2,3,4,7,8,9-HpCDF	NA		23.5	J	24.7	J	24.7		11.4	JEB
1,2,3,4,7,8-HxCDD	NA		40.3	J	42.5	J	42.5		50.0	J
1,2,3,4,7,8-HxCDF	NA		61.7	J	62.8	J	62.8		46.8	J
1,2,3,6,7,8-HxCDD	NA		98.3	J	102	J	102		116	J
1,2,3,6,7,8-HxCDF	NA		38.8	J	39.1	J	39.1		30.0	J
1,2,3,7,8,9-HxCDD	NA		116	J	113	J	116		157	J
1,2,3,7,8,9-HxCDF	NA		2.2	J	3.6	UJ	2.2		1.1	UJ
1,2,3,7,8-PeCDD	NA		41.9	J	54.8	J	54.8		63.0	J
1,2,3,7,8-PeCDF	NA		17.6	J	29.6	J	29.6		24.9	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	NA		1852.8	J	542.984	J&	1852.8		878.75	J
2,3,4,6,7,8-HxCDF	NA		52.6	J	45.8	EMPC	52.6		37.1	J
2,3,4,7,8-PeCDF	NA		38.5	J	38.4	J	38.5		33.5	J
2,3,7,8-TCDD	NA		12590	J	15050	J	15050		10590	JEB$
2,3,7,8-TCDF	NA		100	J	109	J	109		102	J
OCDD	NA		8340	J	9100	J	9100		6300	J$
OCDF	NA		434	J	479	J	479		261	JEB
Total HpCDD	NA		3040	J	3470	J	3470		3410	J
Total HpCDF	NA		793	J	814	J	814		477	J
Total HxCDD	NA		852	J	922	J	922		1080	J
Total HxCDF	NA		1040	J	1000	J	1040		880	J
Total PeCDD	NA		284	J	332	J	332		359	J
Total PeCDF	NA		1050	J	1510	J	1510		1190	J
Total TCDD	NA		13120	J	15650	J	15650		10650	J$
Total TCDF	NA		1820	J	2130	J	2130		2070	J
Toxicity Equivalency	NA		12700		15200		15200		10700	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-239-01		RES-SS-12-240-01		RES-SS-DU-111699C		RES-SS-12-240-01-MAX		RES-SS-12-240-02	
Sample Location	RES-12-239-01		RES-12-240-01		RES-12-240-01		RES-12-240-01		RES-12-240-02	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	None		Field Dup RES-SS-12-240-01		Field Dup RES-SS-12-240-01		Field Dup RES-SS-12-240-01		None	
TAL Metal Analysis (MG/KG)	MALJ48		MALJ50				MALJ50			
Aluminum	5140		15800			NA	15800			NA
Antimony	1 6	U	4 4	J		NA	4 4			NA
Arsenic	2.2	J	5 1			NA	5 1			NA
Barium	65.7		175			NA	175			NA
Beryllium	0.33	U	1 5	U		NA	1 5	U		NA
Cadmium	0 33	U	2 0			NA	2 0			NA
Calcium	2060		5140			NA	5140			NA
Chromium	27 1		202			NA	202			NA
Cobalt	4 8		13 1			NA	13.1			NA
Copper	76 8		259			NA	259			NA
Iron	13700		26400			NA	26400			NA
Lead	198		566			NA	566			NA
Magnesium	2530		7320			NA	7320			NA
Manganese	164		364			NA	364			NA
Mercury	0.16	U	0 24	U		NA	0.24	U		NA
Nickel	13.0		71 6			NA	71 6			NA
Potassium	873		2020			NA	2020			NA
Selenium	1 6	U	4 7	J		NA	4 7			NA
Silver	0 41	UJ	2 2			NA	2 2			NA
Sodium	167		336			NA	336			NA
Thallium	2 3	UJ	3 3	UJ		NA	3 3	U		NA
Vanadium	18 1		51 9			NA	51 9			NA
Zinc	175		475			NA	475			NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-550-01		RES-SS-12-551-01		RES-SS-12-552-01		RES-SS-12-553-01		RES-SS-DU-111699A	
Sample Location	RES-12-550-01		RES-12-551-01		RES-12-552-01		RES-12-553-01		RES-12-553-01	
Interval	0 0-1.0		0 0-1 0		0.0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	None		None		None		Field Dup RES SS 12 553 01		Field Dup RES SS 12 553 01	
Semivolatile Organic Analysis (UG/KG)	AQB93		AQB94		AQB89		AQB91		AQB90	
1,1'-Biphenyl	8400	U	7400	U	4200	U	2000	U	1900	U
2,2'-oxybis(1-Chloropropane)	8400	U	7400	U	4200	U	2000	U	1900	U
2,4,5-Trichlorophenol	21000	U	19000	U	10000	U	5100	U	4900	U
2,4,6-Trichlorophenol	8400	U	7400	U	4200	U	2000	U	1900	U
2,4-Dichlorophenol	8400	U	7400	U	4200	U	2000	U	1900	U
2,4-Dimethylphenol	8400	U	7400	U	4200	U	2000	U	1900	U
2,4-Dinitrophenol	21000	U	19000	U	10000	U	5100	U	4900	U
2,4-Dinitrotoluene	8400	U	7400	U	4200	U	2000	U	1900	U
2,6-Dinitrotoluene	8400	U	7400	U	4200	U	2000	U	1900	U
2-Chloronaphthalene	8400	U	7400	U	4200	U	2000	U	1900	U
2-Chlorophenol	8400	U	7400	U	4200	U	2000	U	1900	U
2-Methylnaphthalene	8400	U	7400	U	4200	U	2000	U	1900	U
2-Methylphenol	8400	U	7400	U	4200	U	2000	U	1900	U
2-Nitroaniline	21000	U	19000	U	10000	U	5100	U	4900	U
2-Nitrophenol	8400	U	7400	U	4200	U	2000	U	1900	U
3,3'-Dichlorobenzidine	8400	U	7400	U	4200	U	2000	U	1900	U
3-Nitroaniline	21000	U	19000	U	10000	U	5100	U	4900	U
4,6-Dinitro-2-methylphenol	21000	U	19000	U	10000	U	5100	U	4900	U
4-Bromophenyl-phenylether	8400	U	7400	U	4200	U	2000	U	1900	U
4-Chloro-3-methylphenol	8400	U	7400	U	4200	U	2000	U	1900	U
4-Chloroaniline	8400	U	7400	U	4200	U	2000	U	1900	U
4-Chlorophenyl-phenylether	8400	U	7400	U	4200	U	2000	U	1900	U
4-Methylphenol	8400	U	7400	U	4200	U	2000	U	1900	U
4-Nitroaniline	21000	U	19000	U	10000	U	5100	U	4900	U
4-Nitrophenol	21000	U	19000	U	10000	U	5100	U	4900	U
Acenaphthene	8400	U	7400	U	4200	U	2000	U	1900	U
Acenaphthylene	8400	U	7400	U	4200	U	2000	U	1900	U
Acetophenone	8400	U	7400	U	4200	U	2000	U	1900	U
Anthracene	8400	U	7400	U	4200	U	280	J	1900	U
Atrazine	8400	U	7400	U	4200	U	2000	U	1900	U
Benzaldehyde	8400	U	7400	U	4200	U	2000	U	1900	U
Benzo(a)anthracene	680	J	900	J	450	J	780	J	370	J
Benzo(a)pyrene	960	J	1200	J	550	J	740	J	480	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-550-01		RES-SS-12-551-01		RES-SS-12-552-01		RES-SS-12-553-01		RES-SS-DU-111699A	
Sample Location	RES-12-550-01		RES-12-551-01		RES-12-552-01		RES-12-553-01		RES-12-553-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	None		None		None		Field Dup RES-SS-12-553-01		Field Dup RES-SS-12-553-01	
Benzo(b)fluoranthene	1300	J	1600	J	840	J	730	J	620	J
Benzo(g,h,i)perylene	1100	J	1500	J	630	J	630	J	480	J
Benzo(k)fluoranthene	1400	J	1600	J	800	J	830	J	540	J
Bis(2-Chloroethoxy)methane	8400	U	7400	U	4200	U	2000	U	1900	U
Bis(2-Chloroethyl)ether	8400	U	7400	U	4200	U	2000	U	1900	U
bis(2-Ethylhexyl)phthalate	8400	U	7400	U	4200	U	2000	U	1900	U
Butylbenzylphthalate	8400	U	7400	U	4200	U	2000	U	1900	U
Caprolactam	8400	U	7400	U	4200	U	2000	U	1900	U
Carbazole	8400	U	7400	U	4200	U	2000	U	1900	U
Chrysene	1200	J	1700	J	830	J	920	J	560	J
Di-n-Butylphthalate	8400	U	7400	U	4200	U	2000	U	1900	U
Di-n-octylphthalate	8400	U	7400	U	4200	U	2000	U	1900	U
Dibenzo(a,h)anthracene	8400	U	7400	U	4200	U	2000	U	1900	U
Dibenzofuran	8400	U	7400	U	4200	U	2000	U	1900	U
Diethylphthalate	8400	U	7400	U	4200	U	2000	U	1900	U
Dimethylphthalate	8400	U	7400	U	4200	U	2000	U	1900	U
Fluoranthene	1500	J	1700	J	990	J	1900	J	900	J
Fluorene	8400	U	7400	U	4200	U	2000	U	1900	U
Hexachlorobenzene	8400	U	7400	U	4200	U	2000	U	1900	U
Hexachlorobutadiene	8400	U	7400	U	4200	U	2000	U	1900	U
Hexachlorocyclopentadiene	8400	U	7400	U	4200	U	2000	U	1900	U
Hexachloroethane	8400	U	7400	U	4200	U	2000	U	1900	U
Indeno(1,2,3-cd)pyrene	980	J	1400	J	610	J	550	J	440	J
Isophorone	8400	U	7400	U	4200	U	2000	U	1900	U
N-Nitroso-di-n-propylamine	8400	U	7400	U	4200	U	2000	U	1900	U
N-Nitroso-diphenylamine	8400	U	7400	U	4200	U	2000	U	1900	U
Naphthalene	8400	U	7400	U	4200	U	2000	U	1900	U
Nitrobenzene	8400	U	7400	U	4200	U	2000	U	1900	U
Pentachlorophenol	21000	U	19000	U	10000	U	5100	U	4900	U
Phenanthrene	8400	U	1000	J	470	J	1600	J	430	J
Phenol	8400	U	7400	U	4200	U	2000	U	1900	U
Pyrene	1500	J	2100	J	980	J	1600	J	810	J
Total PAH	1300		1600		750		960		630	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-550-01		RES-SS-12-551-01		RES-SS-12-552-01		RES-SS-12-553-01		RES-SS-DU-111699A	
Sample Location	RES-12-550-01		RES-12-551-01		RES-12-552-01		RES-12-553-01		RES-12-553-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	None		None		None		Field Dup. RES-SS-12-553-01		Field Dup. RES-SS-12-553-01	
Pesticide/PCB Analysis (UG/KG)	AQB93		AQB94		AQB89		AQB91		AQB90	
4,4'-DDD	8.4	U	7.5	U	4.2	U	4.4	J	3.2	J
4,4'-DDE	35		200	•	10		22		19	
4,4'-DDT	8.4	U	7.5	U	4.2	U	4.0	U	3.6	J
Aldrin	4.3	U	3.9	U	2.2	U	2.1	U	2.0	U
alpha-BHC	4.3	U	3.9	U	2.2	U	2.1	U	2.0	U
alpha-Chlordane	5.7		16		3.2		5.9	J	29	J
Aroclor, Total	860		4300		340		490		420	
Aroclor-1016	84	U	75	U	42	U	40	U	39	U
Aroclor-1221	170	U	150	U	86	U	82	U	79	U
Aroclor-1232	84	U	75	U	42	U	40	U	39	U
Aroclor-1242	84	U	75	U	42	U	40	U	39	U
Aroclor-1248	84	U	75	U	42	U	40	U	39	U
Aroclor-1254	860		4300	•	340		490		420	
Aroclor-1260	84	U	75	U	42	U	40	U	39	U
beta-BHC	4.3	U	3.9	U	2.2	U	2.1	U	2.0	U
delta-BHC	4.3	U	3.9	U	2.2	U	2.1	U	2.0	U
Dieldrin	8.4	U	7.5	U	4.2	U	4.0	U	3.9	U
Endosulfan I	4.3	U	3.9	U	2.2	U	2.1	U	2.0	U
Endosulfan II	85		440	•	28		33		32	
Endosulfan Sulfate	8.4	U	7.5	U	4.2	U	4.0	U	3.9	U
Endrin	8.4	U	7.5	U	4.2	U	4.0	U	3.9	U
Endrin Aldehyde	8.4	U	7.5	U	4.2	U	4.0	U	3.9	U
Endrin Ketone	8.4	U	7.5	U	4.2	U	4.0	U	3.9	U
gamma-BHC	4.3	U	3.9	U	2.2	U	2.1	U	2.0	U
gamma-Chlordane	8.6		28		3.9		8.4	J	38	*J
Heptachlor	4.3	U	4.4		2.2	U	2.1	U	2.1	
Heptachlor Epoxide	4.3	U	3.9	U	2.2	U	2.1	U	2.0	U
Methoxychlor	43	U	35	J	22	U	21	U	20	U
Toxaphene	430	U	390	U	220	U	210	U	200	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-550-01	RES-SS-12-551-01	RES-SS-12-552-01	RES-SS-12-553-01	RES-SS-DU-111699A
Sample Location	RES-12-550-01	RES-12-551-01	RES-12-552-01	RES-12-553-01	RES-12-553-01
Interval	0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0
Date Sampled	11/16/99	11/16/99	11/16/99	11/16/99	11/16/99
QC Identifier	None	None	None	Field Dup. RES-SS-12-553-01	Field Dup. RES-SS-12-553-01
Dioxin Analysis (NG/KG)					
1,2,3,4,6,7,8-HpCDD	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDD	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDD	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDD	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDF	NA	NA	NA	NA	NA
1,2,4,5,7,8-hexachloro(9H)xanthene	NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF	NA	NA	NA	NA	NA
2,3,7,8-TCDD	NA	NA	NA	NA	NA
2,3,7,8-TCDF	NA	NA	NA	NA	NA
OCDD	NA	NA	NA	NA	NA
OCDF	NA	NA	NA	NA	NA
Total HpCDD	NA	NA	NA	NA	NA
Total HpCDF	NA	NA	NA	NA	NA
Total HxCDD	NA	NA	NA	NA	NA
Total HxCDF	NA	NA	NA	NA	NA
Total PeCDD	NA	NA	NA	NA	NA
Total PeCDF	NA	NA	NA	NA	NA
Total TCDD	NA	NA	NA	NA	NA
Total TCDF	NA	NA	NA	NA	NA
Toxicity Equivalency	NA	NA	NA	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-550-01		RES-SS-12-551-01		RES-SS-12-552-01		RES-SS-12-553-01		RES-SS-DU-111699A	
Sample Location	RES-12-550-01		RES-12-551-01		RES-12-552-01		RES-12-553-01		RES-12-553-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	None		None		None		Field Dup RES-SS-12-553-01		Field Dup RES-SS-12-553-01	
TAL Metal Analysis (MG/KG)	MALJ45		MALJ46		MALJ41		MALJ43		MALJ42	
Aluminum	12100		11800		3700		2160		2020	
Antimony	4 5	UJ	7 1		2 7	U	1 3	UJ	1 1	U
Arsenic	10 0		11 6		4 0		2 0	J	2 1	J
Barium	184		219		72 5		25 6		21 3	
Beryllium	0 95		0 44	U	0 25	U	0 23	U	0 23	U
Cadmium	3 7		0 93		0 25	U	0 23	U	0 23	U
Calcium	1340		1450		892		851		1010	
Chromium	279	J	381	J	168	J	26 0	J	13 7	J
Cobalt	8 0		10 2		2 9		1 9		1 5	
Copper	172		182		38 7		23 6		19 9	
Iron	21000		26600		8610		6160		5880	
Lead	291		379		150		356		195	
Magnesium	3420		4750		1180		982		760	
Manganese	260		234		174		70 4		90 5	
Mercury	0 25	U	0 21	U	0 13	U	0 11	U	0 12	U
Nickel	22 5		22 7		7 3		5 1		4 0	
Potassium	980		2130		445		324		263	
Selenium	2 6	J	2 7	J	1 3	U	1 2	U	1 1	U
Silver	3 4	J	3 7	J	0 47	J	0 58	J	0 23	U
Sodium	239		201		116	J	94 1		94 8	
Thallium	3 5	U	3 1	U	1 8	U	1 6	U	1 9	J
Vanadium	34 8		79 3		12 2		10 7		8 8	
Zinc	175		156		70 1		38 2		42 3	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-553-01-MAX		RES-SS-12-554-01		RES-SS-12-555-01		RES-SS-DU-111699B		RES-SS-12-555-01-MAX	
Sample Location	RES-12-553-01		RES-12-554-01		RES-12-555-01		RES-12-555-01		RES-12-555-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	Field Dup. RES-SS-12-553-01		None		Field Dup. RES-SS-12-555-01		Field Dup. RES-SS-12-555-01		Field Dup. RES-SS-12-555-01	
Semivolatile Organic Analysis (UG/KG)	AQB90		AQB92		AQB88				AQB88	
1,1'-Biphenyl	2000	U	2100	U	5200	U	NA		5200	U
2,2'-oxybis(1-Chloropropane)	2000	U	2100	U	5200	U	NA		5200	U
2,4,5-Trichlorophenol	5100	U	5300	U	13000	U	NA		13000	U
2,4,6-Trichlorophenol	2000	U	2100	U	5200	U	NA		5200	U
2,4-Dichlorophenol	2000	U	2100	U	5200	U	NA		5200	U
2,4-Dimethylphenol	2000	U	2100	U	5200	U	NA		5200	U
2,4-Dinitrophenol	5100	U	5300	U	13000	U	NA		13000	U
2,4-Dinitrotoluene	2000	U	2100	U	5200	U	NA		5200	U
2,6-Dinitrotoluene	2000	U	2100	U	5200	U	NA		5200	U
2-Chloronaphthalene	2000	U	2100	U	5200	U	NA		5200	U
2-Chlorophenol	2000	U	2100	U	5200	U	NA		5200	U
2-Methylnaphthalene	2000	U	2100	U	5200	U	NA		5200	U
2-Methylphenol	2000	U	2100	U	5200	U	NA		5200	U
2-Nitroaniline	5100	U	5300	U	13000	U	NA		13000	U
2-Nitrophenol	2000	U	2100	U	5200	U	NA		5200	U
3,3'-Dichlorobenzidine	2000	U	2100	U	5200	U	NA		5200	U
3-Nitroaniline	5100	U	5300	U	13000	U	NA		13000	U
4,6-Dinitro-2-methylphenol	5100	U	5300	U	13000	U	NA		13000	U
4-Bromophenyl-phenylether	2000	U	2100	U	5200	U	NA		5200	U
4-Chloro-3-methylphenol	2000	U	2100	U	5200	U	NA		5200	U
4-Chloroaniline	2000	U	2100	U	5200	U	NA		5200	U
4-Chlorophenyl-phenylether	2000	U	2100	U	5200	U	NA		5200	U
4-Methylphenol	2000	U	2100	U	5200	U	NA		5200	U
4-Nitroaniline	5100	U	5300	U	13000	U	NA		13000	U
4-Nitrophenol	5100	U	5300	U	13000	U	NA		13000	U
Acenaphthene	2000	U	2100	U	5200	U	NA		5200	U
Acenaphthylene	2000	U	2100	U	5200	U	NA		5200	U
Acetophenone	2000	U	2100	U	5200	U	NA		5200	U
Anthracene	1900	U	2100	U	5200	U	NA		5200	U
Atrazine	2000	U	2100	U	5200	U	NA		5200	U
Benzaldehyde	2000	U	2100	U	5200	U	NA		5200	U
Benzo(a)anthracene	780		300	J	820	J	NA		620	
Benzo(a)pyrene	740		360	J	800	J	NA		800	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-553-01-MAX		RES-SS-12-554-01		RES-SS-12-555-01		RES-SS-DU-111699B		RES-SS-12-555-01-MAX	
Sample Location	RES-12-553-01		RES-12-554-01		RES-12-555-01		RES-12-555-01		RES-12-555-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	Field Dup. RES-SS-12-553-01		None		Field Dup. RES-SS-12-555-01		Field Dup. RES-SS-12-555-01		Field Dup. RES-SS-12-555-01	
Benzo(b)fluoranthene	730		580	J	1800	J	NA		1800	
Benzo(g,h,i)perylene	630		380	J	950	J	NA		950	
Benzo(k)fluoranthene	830		510	J	1300	J	NA		1300	
Bis(2-Chloroethoxy)methane	2000	U	2100	U	5200	U	NA		5200	U
Bis(2-Chloroethyl)ether	2000	U	2100	U	5200	U	NA		5200	U
bis(2-Ethylhexyl)phthalate	2000	U	2100	U	5200	U	NA		5200	U
Butylbenzylphthalate	2000	U	2100	U	5200	U	NA		5200	U
Caprolactam	2000	U	2100	U	5200	U	NA		5200	U
Carbazole	2000	U	2100	U	5200	U	NA		5200	U
Chrysene	920		500	J	1200	J	NA		1200	
Di-n-Butylphthalate	2000	U	2100	U	5200	U	NA		5200	U
Di-n-octylphthalate	2000	U	2100	U	5200	U	NA		5200	U
Dibenzo(a,h)anthracene	2000	U	2100	U	5200	U	NA		5200	U
Dibenzofuran	2000	U	2100	U	5200	U	NA		5200	U
Diethylphthalate	2000	U	2100	U	5200	U	NA		5200	U
Dimethylphthalate	2000	U	2100	U	5200	U	NA		5200	U
Fluoranthene	1900		740	J	1300	J	NA		1300	
Fluorene	2000	U	2100	U	5200	U	NA		5200	U
Hexachlorobenzene	2000	U	2100	U	5200	U	NA		5200	U
Hexachlorobutadiene	2000	U	2100	U	5200	U	NA		5200	U
Hexachlorocyclopentadiene	2000	U	2100	U	5200	U	NA		5200	U
Hexachloroethane	2000	U	2100	U	5200	U	NA		5200	U
Indeno(1,2,3-cd)pyrene	550		370	J	820	J	NA		820	
Isophorone	2000	U	2100	U	5200	U	NA		5200	U
N-Nitroso-di-n-propylamine	2000	U	2100	U	5200	U	NA		5200	U
N-Nitroso-diphenylamine	2000	U	2100	U	5200	U	NA		5200	U
Naphthalene	2000	U	2100	U	5200	U	NA		5200	U
Nitrobenzene	2000	U	2100	U	5200	U	NA		5200	U
Pentachlorophenol	5100	U	5300	U	13000	U	NA		13000	U
Phenanthrene	1600		330	J	660	J	NA		660	
Phenol	2000	U	2100	U	5200	U	NA		5200	U
Pyrene	1600		700	J	1600	J	NA		1600	
Total PAH	660		490		1100		NA		1100	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-553-01-MAX		RES-SS-12-554-01		RES-SS-12-555-01		RES-SS-DU-111699B		RES-SS-12-555-01-MAX	
Sample Location	RES-12-553-01		RES-12-554-01		RES-12-555-01		RES-12-555-01		RES-12-555-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	Field Dup. RES-SS-12-553-01		None		Field Dup. RES-SS-12-555-01		Field Dup. RES-SS-12-555-01		Field Dup. RES-SS-12-555-01	
Pesticide/PCB Analysis (UG/KG)	AQB91		AQB92		AQB88				AQB88	
4,4'-DDD	4.4		4.3	U	12	J		NA	12	
4,4'-DDE	22		12		230			NA	230	
4,4'-DDT	4.0	U	4.3	U	18	J		NA	18	
Aldrin	2.1	U	2.2	U	2.7	U		NA	2.7	U
alpha-BHC	2.1	U	2.2	U	2.7	U		NA	2.7	U
alpha-Chlordane	29		2.2	U	13			NA	13	
Aroclor, Total	490		400		4100			NA	4100	
Aroclor-1016	40	U	43	U	52	U		NA	52	U
Aroclor-1221	82	U	87	U	110	U		NA	110	U
Aroclor-1232	40	U	43	U	52	U		NA	52	U
Aroclor-1242	40	U	43	U	52	U		NA	52	U
Aroclor-1248	40	U	43	U	52	U		NA	52	U
Aroclor-1254	490		400		4100			NA	4100	
Aroclor-1260	40	U	43	U	52	U		NA	52	U
beta-BHC	2.1	U	2.2	U	2.7	U		NA	2.7	U
delta-BHC	2.1	U	2.2	U	2.7	U		NA	2.7	U
Dieldrin	4.0	U	4.3	U	5.2	U		NA	5.2	U
Endosulfan I	2.1	U	2.2	U	2.7	U		NA	2.7	U
Endosulfan II	33		39		5.2	U		NA	5.2	U
Endosulfan Sulfate	4.0	U	4.3	U	5.2	U		NA	5.2	U
Endrin	4.0	U	4.3	U	5.2	U		NA	5.2	U
Endrin Aldehyde	4.0	U	4.3	U	5.2	U		NA	5.2	U
Endrin Ketone	4.0	U	4.3	U	5.2	U		NA	5.2	U
gamma-BHC	2.1	U	2.2	U	2.7	U		NA	2.7	U
gamma-Chlordane	38		2.5		26			NA	26	
Heptachlor	2.1		2.2	U	2.7	U		NA	2.7	U
Heptachlor Epoxide	2.1	U	2.2	U	2.7	U		NA	2.7	U
Methoxychlor	21	U	22	U	26	J		NA	26	
Toxaphene	210	U	220	U	270	U		NA	270	U

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

Sample Number	RES-SS-12-553-01-MAX		RES-SS-12-554-01		RES-SS-12-555-01		RES-SS-DU-111699B		RES-SS-12-555-01-MAX	
Sample Location	RES-12-553-01		RES-12-554-01		RES-12-555-01		RES-12-555-01		RES-12-555-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	Field Dup. RES-SS-12-553-01		None		Field Dup. RES-SS-12-555-01		Field Dup. RES-SS-12-555-01		Field Dup. RES-SS-12-555-01	
Dioxin Analysis (NG/KG)										
					D01070		D01069		D01069	
1,2,3,4,6,7,8-HpCDD		NA		NA	643	J	770	J	770	
1,2,3,4,6,7,8-HpCDF		NA		NA	416	J	648	J	648	
1,2,3,4,7,8,9-HpCDF		NA		NA	14.6	JEB	14.7	JEB	14.7	
1,2,3,4,7,8-HxCDD		NA		NA	13.1	J	15.0	J	15.0	
1,2,3,4,7,8-HxCDF		NA		NA	57.3	J	56.2	J	57.3	
1,2,3,6,7,8-HxCDD		NA		NA	39.6	J	48.2	J	48.2	
1,2,3,6,7,8-HxCDF		NA		NA	32.9	J	39.5	J	39.5	
1,2,3,7,8,9-HxCDD		NA		NA	43.2	J	48.8	J	48.8	
1,2,3,7,8,9-HxCDF		NA		NA	1.3	UJ	1.2	UJ	1.3	U
1,2,3,7,8-PeCDD		NA		NA	14.4	J	16.6	J	16.6	
1,2,3,7,8-PeCDF		NA		NA	48.0	EMPC	116	EMPC	116	
1,2,4,5,7,8-hexachloro(9H)xanthene		NA		NA	330.8	J	378.45	J	378.45	
2,3,4,6,7,8-HxCDF		NA		NA	40.4	J	48.9	J	48.9	
2,3,4,7,8-PeCDF		NA		NA	25.6	J	30.9	J	30.9	
2,3,7,8-TCDD		NA		NA	3020	JEB$	3180	JEB$	3180	
2,3,7,8-TCDF		NA		NA	60.2	J	62.8	J	62.8	
OCDD		NA		NA	3640	J	3900	J$	3900	
OCDF		NA		NA	268	JEB	417	JEB	417	
Total HpCDD		NA		NA	1220	J	1480	J	1480	
Total HpCDF		NA		NA	731	J	1080	J	1080	
Total HxCDD		NA		NA	401	J	518	J	518	
Total HxCDF		NA		NA	666	J	858	J	858	
Total PeCDD		NA		NA	120	J	151	J	151	
Total PeCDF		NA		NA	645	J	849	J	849	
Total TCDD		NA		NA	3190	J$	3180	J$	3190	
Total TCDF		NA		NA	975	J	1000	J	1000	
Toxicity Equivalency		NA		NA	3090		3260		3260	

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

Sample Number	RES-SS-12-553-01-MAX		RES-SS-12-554-01		RES-SS-12-555-01		RES-SS-DU-111699B		RES-SS-12-555-01-MAX	
Sample Location	RES-12-553-01		RES-12-554-01		RES-12-555-01		RES-12-555-01		RES-12-555-01	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	Field Dup RES-SS-12-553-01		None		Field Dup RES-SS-12-555-01		Field Dup RES-SS-12-555-01		Field Dup RES-SS-12-555-01	
TAL Metal Analysis (MG/KG)	MALJ43		MALJ44		MALJ40				MALJ40	
Aluminum	2160		13000		5010				NA	5010
Antimony	1.1	U	2.2	UJ	5.8	U			NA	5.8 U
Arsenic	2.1		4.0		13.1				NA	13.1
Barium	25.6		60.9		120				NA	120
Beryllium	0.23	U	0.25	U	0.61	U			NA	0.61 U
Cadmium	0.23	U	0.25	U	0.31	U			NA	0.31 U
Calcium	1010		1300		2390				NA	2390
Chromium	26.0		50.8	J	226	J			NA	226
Cobalt	1.9		7.0		3.5				NA	3.5
Copper	23.6		47.3		349				NA	349
Iron	6160		18200		26100				NA	26100
Lead	356		91.2		664				NA	664
Magnesium	982		2310		1300				NA	1300
Manganese	90.5		300		337				NA	337
Mercury	0.12	U	0.12	U	0.69				NA	0.69
Nickel	5.1		11.3		13.9				NA	13.9
Potassium	324		353		522				NA	522
Selenium	1.2	U	1.2	U	2.9				NA	2.9
Silver	0.23	U	0.57	J	2.8	J			NA	2.8
Sodium	94.8		160		172	J			NA	172
Thallium	1.6	U	2.4	J	2.2	U			NA	2.2 U
Vanadium	10.7		27.9		45.1				NA	45.1
Zinc	42.3		83.3		152				NA	152

Summary of Sediment/Soil Analytical Results
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Sample Number	RES-SS-12-556-01		RES-SS-12-556-02		RES-SS-12-560-01		RES-SS-12-560-02		RES-SS-14-210-01		RES-SS-14-210-02	
Sample Location	RES-12-556-01		RES-12-556-02		RES-12-560-01		RES-12-560-02		RES-14-210-01		RES-14-210-02	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	None		None		None		None		None		None	
Semivolatile Organic Analysis (UG/KG)	AQC03				AQC08		AQC05		AQB97			
1,1'-Biphenyl	4000	U	NA		2000	U	2100	U	1900	U	NA	
2,2'-oxybis(1-Chloropropane)	4000	U	NA		2000	U	2100	UJ	1900	U	NA	
2,4,5-Trichlorophenol	10000	U	NA		4900	U	5300	U	4800	U	NA	
2,4,6-Trichlorophenol	4000	U	NA		2000	U	2100	U	1900	U	NA	
2,4-Dichlorophenol	4000	U	NA		2000	U	2100	U	1900	U	NA	
2,4-Dimethylphenol	4000	U	NA		2000	U	2100	U	1900	U	NA	
2,4-Dinitrophenol	10000	UJ	NA		4900	UJ	5300	UJ	4800	U	NA	
2,4-Dinitrotoluene	4000	U	NA		2000	U	2100	U	1900	U	NA	
2,6-Dinitrotoluene	4000	U	NA		2000	U	2100	U	1900	U	NA	
2-Chloronaphthalene	4000	U	NA		2000	U	2100	U	1900	U	NA	
2-Chlorophenol	4000	U	NA		2000	U	2100	U	1900	U	NA	
2-Methylnaphthalene	4000	U	NA		2000	U	2100	U	1900	U	NA	
2-Methylphenol	4000	U	NA		2000	U	2100	U	1900	U	NA	
2-Nitroaniline	10000	U	NA		4900	U	5300	UJ	4800	U	NA	
2-Nitrophenol	4000	U	NA		2000	U	2100	U	1900	U	NA	
3,3'-Dichlorobenzidine	4000	U	NA		2000	U	2100	U	1900	U	NA	
3-Nitroaniline	10000	U	NA		4900	U	5300	U	4800	U	NA	
4,6-Dinitro-2-methylphenol	10000	U	NA		4900	U	5300	U	4800	U	NA	
4-Bromophenyl-phenylether	4000	U	NA		2000	U	2100	U	1900	U	NA	
4-Chloro-3-methylphenol	4000	U	NA		2000	U	2100	U	1900	U	NA	
4-Chloroaniline	4000	U	NA		2000	U	2100	U	1900	U	NA	
4-Chlorophenyl-phenylether	4000	U	NA		2000	U	2100	U	1900	U	NA	
4-Methylphenol	4000	U	NA		2000	U	2100	U	1900	U	NA	
4-Nitroaniline	10000	U	NA		4900	U	5300	U	4800	U	NA	
4-Nitrophenol	10000	U	NA		4900	U	5300	UJ	4800	UJ	NA	
Acenaphthene	4000	U	NA		2000	U	240	J	1900	U	NA	
Acenaphthylene	4000	U	NA		2000	U	2100	U	1900	U	NA	
Acetophenone	4000	U	NA		2000	U	2100	U	1900	U	NA	
Anthracene	430	J	NA		68	J	630	J	120	J	NA	
Atrazine	4000	U	NA		2000	U	2100	U	1900	U	NA	
Benzaldehyde	4000	U	NA		2000	U	2100	UJ	1900	U	NA	
Benzo(a)anthracene	2600	J	NA		280	J	2300		560	J	NA	
Benzo(a)pyrene	3200	J	NA		340	J	2000	J	660	J	NA	

Summary of Sediment/Soil Analytical Results
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Sample Number	RES-SS-12-556-01		RES-SS-12-556-02		RES-SS-12-560-01		RES-SS-12-560-02		RES-SS-14-210-01		RES-SS-14-210-02	
Sample Location	RES-12-556-01		RES-12-556-02		RES-12-560-01		RES-12-560-02		RES-14-210-01		RES-14-210-02	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	None		None		None		None		None		None	
Benzo(b)fluoranthene	3100	J	NA		380	J	1800	J	590	J	NA	
Benzo(g,h,i)perylene	2600	J	NA		200	J	1300	J	450	J	NA	
Benzo(k)fluoranthene	4000	J	NA		380	J	2300		680	J	NA	
Bis(2-Chloroethoxy)methane	4000	U	NA		2000	U	2100	U	1900	U	NA	
Bis(2-Chloroethyl)ether	4000	U	NA		2000	U	2100	UJ	1900	U	NA	
bis(2-Ethylhexyl)phthalate	660	JEB	NA		530	JEB	2100	U	1900	U	NA	
Butylbenzylphthalate	4000	U	NA		2000	U	2100	U	1900	U	NA	
Caprolactam	4000	U	NA		2000	U	2100	U	1900	U	NA	
Carbazole	600	J	NA		2000	U	320	J	1900	U	NA	
Chrysene	3900	J	NA		380	J	2300		630	J	NA	
Di-n-Butylphthalate	4000	U	NA		2000	U	2100	U	1900	U	NA	
Di-n-octylphthalate	4000	U	NA		2000	U	2100	U	1900	U	NA	
Dibenzo(a,h)anthracene	930	J	NA		2000	U	2100	U	1900	U	NA	
Dibenzofuran	4000	U	NA		2000	U	2100	U	1900	U	NA	
Diethylphthalate	4000	U	NA		2000	U	2100	U	1900	U	NA	
Dimethylphthalate	4000	U	NA		2000	U	2100	U	1900	U	NA	
Fluoranthene	7700		NA		700	J	5000		1100	J	NA	
Fluorene	4000	U	NA		2000	U	250	J	1900	U	NA	
Hexachlorobenzene	4000	U	NA		2000	U	2100	U	1900	U	NA	
Hexachlorobutadiene	4000	U	NA		2000	U	2100	U	1900	U	NA	
Hexachlorocyclopentadiene	4000	U	NA		2000	U	2100	U	1900	U	NA	
Hexachloroethane	4000	U	NA		2000	U	2100	U	1900	U	NA	
Indeno(1,2,3-cd)pyrene	2500	J	NA		200	J	1100	J	430	J	NA	
Isophorone	4000	U	NA		2000	U	2100	U	1900	U	NA	
N-Nitroso-di-n-propylamine	4000	U	NA		2000	U	2100	UJ	1900	U	NA	
N-Nitroso-diphenylamine	4000	U	NA		2000	U	2100	U	1900	U	NA	
Naphthalene	4000	U	NA		2000	U	2100	U	1900	U	NA	
Nitrobenzene	4000	U	NA		2000	U	2100	UJ	1900	U	NA	
Pentachlorophenol	10000	U	NA		4900	U	5300	U	4800	U	NA	
Phenanthrene	4100		NA		280	J	3600		340	J	NA	
Phenol	4000	U	NA		2000	U	2100	U	1900	U	NA	
Pyrene	5800		NA		500	J	4900		780	J	NA	
Total PAH	5000		NA		430		2500		830		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-556-01		RES-SS-12-556-02		RES-SS-12-560-01		RES-SS-12-560-02		RES-SS-14-210-01		RES-SS-14-210-02	
Sample Location	RES-12-556-01		RES-12-556-02		RES-12-560-01		RES-12-560-02		RES-14-210-01		RES-14-210-02	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	None		None		None		None		None		None	
Pesticide/PCB Analysis (UG/KG)	AQC03				AQC08		AQC05		AQB97			
4,4'-DDD	13	J	NA		3.9	U	4.3	U	3.8	U	NA	
4,4'-DDE	1000		NA		5.2		5.4		3.6	J	NA	
4,4'-DDT	1300		NA		4.6		5.3		4.3		NA	
Aldrin	10	U	NA		2.0	U	2.2	U	2.0	U	NA	
alpha-BHC	10	U	NA		2.0	U	2.2	U	2.0	U	NA	
alpha-Chlordane	11		NA		2.0	U	2.2	U	2.0	U	NA	
Aroclor, Total	410	U	NA		79	U	87	U	77	U	NA	
Aroclor-1016	200	U	NA		39	U	43	U	38	U	NA	
Aroclor-1221	410	U	NA		79	U	87	U	77	U	NA	
Aroclor-1232	200	U	NA		39	U	43	U	38	U	NA	
Aroclor-1242	200	U	NA		39	U	43	U	38	U	NA	
Aroclor-1248	200	U	NA		39	U	43	U	38	U	NA	
Aroclor-1254	200	U	NA		39	U	43	U	38	U	NA	
Aroclor-1260	200	U	NA		39	U	43	U	38	U	NA	
beta-BHC	10	U	NA		2.0	U	2.2	U	2.0	U	NA	
delta-BHC	10	U	NA		2.0	U	2.2	U	2.0	U	NA	
Dieldrin	20	U	NA		3.9	U	4.3	U	3.8	U	NA	
Endosulfan I	10	U	NA		2.0	U	2.2	U	2.0	U	NA	
Endosulfan II	20	U	NA		3.9	U	4.3	U	3.8	U	NA	
Endosulfan Sulfate	20	U	NA		3.9	U	4.3	U	3.8	U	NA	
Endrin	20	U	NA		3.9	U	4.3	U	3.8	U	NA	
Endrin Aldehyde	20	U	NA		3.9	U	4.3	U	3.8	U	NA	
Endrin Ketone	20	U	NA		3.9	U	4.3	U	3.8	U	NA	
gamma-BHC	10	U	NA		2.0	U	2.2	U	2.0	U	NA	
gamma-Chlordane	10	U	NA		2.0	U	2.2	U	2.0	U	NA	
Heptachlor	10	U	NA		2.0	U	2.2	U	2.0	U	NA	
Heptachlor Epoxide	10	U	NA		2.0	U	2.2	U	2.0	U	NA	
Methoxychlor	100	U	NA		20	U	22	U	20	U	NA	
Toxaphene	1000	U	NA		200	U	220	U	200	U	NA	

Summary of Sediment/Soil Analytical Results
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Sample Number	RES-SS-12-556-01		RES-SS-12-556-02		RES-SS-12-560-01	RES-SS-12-560-02	RES-SS-14-210-01		RES-SS-14-210-02	
Sample Location	RES-12-556-01		RES-12-556-02		RES-12-560-01	RES-12-560-02	RES-14-210-01		RES-14-210-02	
Interval	0.0-1.0		0.0-1.0		0.0-1.0	0.0-1.0	0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99	11/16/99	11/16/99		11/16/99	
QC Identifier	None		None		None	None	None		None	
Dioxin Analysis (NG/KG)	D01083		D01084				D01072		D01073	
1,2,3,4,6,7,8-HpCDD	99.2	J	182		NA	NA	33.1		15.0	U
1,2,3,4,6,7,8-HpCDF	39.4	J	52.1		NA	NA	15.6		9.3	
1,2,3,4,7,8,9-HpCDF	2.4	JEB	4.2	JEB	NA	NA	4.0	J	1.0	J
1,2,3,4,7,8-HxCDD	2.1	J	2.6	J	NA	NA	1.4	J	0.66	U
1,2,3,4,7,8-HxCDF	14.4	J	11.4		NA	NA	6.0		4.2	J
1,2,3,6,7,8-HxCDD	5.3	J	6.4		NA	NA	2.1	U	1.1	U
1,2,3,6,7,8-HxCDF	6.0	J	5.6		NA	NA	2.1	J	1.6	UJ
1,2,3,7,8,9-HxCDD	6.1	J	5.9		NA	NA	3.8	J	1.9	U
1,2,3,7,8,9-HxCDF	0.42	EMPC	0.70	U	NA	NA	0.54	J	0.30	U
1,2,3,7,8-PeCDD	2.3	J	2.4	J	NA	NA	1.0	J	0.44	EMPC
1,2,3,7,8-PeCDF	6.9	J	7.5	EMPC	NA	NA	2.2	U	1.9	U
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U	0.00	U	NA	NA	0.00	U	0.00	U
2,3,4,6,7,8-HxCDF	7.4	J	6.4		NA	NA	2.7	J	2.5	J
2,3,4,7,8-PeCDF	9.3	J	7.1		NA	NA	3.1	J	2.2	U
2,3,7,8-TCDD	24.9	JEB	6.0	EB	NA	NA	12.3		12.1	
2,3,7,8-TCDF	15.8	J	8.1	J	NA	NA	8.0		5.9	U
OCDD	1100	J	2120		NA	NA	263		95.3	
OCDF	82.2	JEB	190	EB	NA	NA	21.8		9.0	J
Total HpCDD	185	J	308	J	NA	NA	69.8	J	31.1	UJ
Total HpCDF	84.1	J	143	J	NA	NA	42.0	J	17.6	J
Total HxCDD	70.9	J	70.9	J	NA	NA	33.0	UJ	17.3	EMPC
Total HxCDF	78.9	J	72.3	J	NA	NA	36.5	J	24.1	J
Total PeCDD	48.9	J	28.4	J	NA	NA	20.3	EMPC	12.1	EMPC
Total PeCDF	112	J	81.1	J	NA	NA	30.7	J	0.00	UJ
Total TCDD	65.8	J	41.3	J	NA	NA	23.8	J	21.3	EMPC
Total TCDF	86.2	J	45.9	J	NA	NA	52.2	J	41.5	J
Toxicity Equivalency	39.5		19.6		NA	NA	18.0		14.6	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-12-556-01		RES-SS-12-556-02		RES-SS-12-560-01		RES-SS-12-560-02		RES-SS-14-210-01		RES-SS-14-210-02	
Sample Location	RES-12-556-01		RES-12-556-02		RES-12-560-01		RES-12-560-02		RES-14-210-01		RES-14-210-02	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/16/99		11/16/99		11/16/99		11/16/99		11/16/99	
QC Identifier	None		None		None		None		None		None	
TAL Metal Analysis (MG/KG)	MALJ54				MALJ59		MALJ56		MALJ49			
Aluminum	6600			NA	4300		6540		5520			NA
Antimony	3.1			NA	1.2	U	1.3	U	1.2	U		NA
Arsenic	9.3			NA	5.8		10.9		3.8			NA
Barium	222			NA	44.2		85.9		46.1			NA
Beryllium	0.25	U		NA	0.25	U	0.27	U	0.24	U		NA
Cadmium	1.1			NA	0.25	U	0.27	U	1.8			NA
Calcium	3660			NA	1060		6810		1390			NA
Chromium	18.0			NA	29.7		12.0		18.6			NA
Cobalt	4.9			NA	4.4		5.4		4.2			NA
Copper	72.7			NA	29.7		41.4		210			NA
Iron	17300			NA	11400		16500		15800			NA
Lead	500			NA	121		192		123			NA
Magnesium	1510			NA	1080		2170		2010			NA
Manganese	373			NA	811		277		255			NA
Mercury	1.0			NA	0.12	U	0.14	U	0.12	U		NA
Nickel	9.2			NA	9.6		14.0		7.8			NA
Potassium	781			NA	490		591		862			NA
Selenium	2.4	J		NA	1.2	U	1.3	U	1.4	J		NA
Silver	0.80	U		NA	0.65	U	0.68	U	0.66	U		NA
Sodium	152			NA	109	U	159		109	U		NA
Thallium	1.8	UJ		NA	1.7	UJ	1.9	UJ	1.7	UJ		NA
Vanadium	24.0			NA	27.7		34.1		17.0			NA
Zinc	315			NA	83.1		163		74.5			NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-210-03	RES-SS-14-271-01		RES-SS-DU-111599A		RES-SS-14-271-01-MAX		RES-SS-14-271-01A	
Sample Location	RES-14-210-03	RES-14-271-01		RES-14-271-01		RES-14-271-01		RES-14-271-01A	
Interval	0.0-1.0	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99	11/15/99		11/15/99		11/15/99		12/2/99	
QC Identifier	None	Field Dup RES-SS-14-271-01		Field Dup RES-SS-14-271-01		Field Dup RES-SS-14-271-01		None	
Semivolatile Organic Analysis (UG/KG)		AQB42		AQB43		AQB43			
1,1'-Biphenyl	NA	510	U	2500	U	2500	U	NA	
2,2'-oxybis(1-Chloropropane)	NA	510	U	2500	U	2500	U	NA	
2,4,5-Trichlorophenol	NA	1300	U	6300	U	6300	U	NA	
2,4,6-Trichlorophenol	NA	510	U	2500	U	2500	U	NA	
2,4-Dichlorophenol	NA	510	U	2500	U	2500	U	NA	
2,4-Dimethylphenol	NA	510	U	2500	U	2500	U	NA	
2,4-Dinitrophenol	NA	1300	U	6300	U	6300	U	NA	
2,4-Dinitrotoluene	NA	510	U	2500	U	2500	U	NA	
2,6-Dinitrotoluene	NA	510	U	2500	U	2500	U	NA	
2-Chloronaphthalene	NA	510	U	2500	U	2500	U	NA	
2-Chlorophenol	NA	510	U	2500	U	2500	U	NA	
2-Methylnaphthalene	NA	510	U	2500	U	2500	U	NA	
2-Methylphenol	NA	510	U	2500	U	2500	U	NA	
2-Nitroaniline	NA	1300	U	6300	U	6300	U	NA	
2-Nitrophenol	NA	510	U	2500	U	2500	U	NA	
3,3'-Dichlorobenzidine	NA	510	U	2500	U	2500	U	NA	
3-Nitroaniline	NA	1300	U	6300	U	6300	U	NA	
4,6-Dinitro-2-methylphenol	NA	1300	U	6300	U	6300	U	NA	
4-Bromophenyl-phenylether	NA	510	U	2500	U	2500	U	NA	
4-Chloro-3-methylphenol	NA	510	U	2500	U	2500	U	NA	
4-Chloroaniline	NA	510	U	2500	U	2500	U	NA	
4-Chlorophenyl-phenylether	NA	510	U	2500	U	2500	U	NA	
4-Methylphenol	NA	510	U	2500	U	2500	U	NA	
4-Nitroaniline	NA	1300	U	6300	U	6300	U	NA	
4-Nitrophenol	NA	1300	U	6300	U	6300	U	NA	
Acenaphthene	NA	510	U	2500	U	2500	U	NA	
Acenaphthylene	NA	510	U	2500	U	2500	U	NA	
Acetophenone	NA	510	U	2500	U	2500	U	NA	
Anthracene	NA	49	J	2500	U	2500	U	NA	
Atrazine	NA	510	U	2500	U	2500	U	NA	
Benzaldehyde	NA	510	U	2500	U	2500	U	NA	
Benzo(a)anthracene	NA	320	J	800	J	800		NA	
Benzo(a)pyrene	NA	500	J	1200	J	1200		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-210-03		RES-SS-14-271-01		RES-SS-DU-111599A		RES-SS-14-271-01-MAX		RES-SS-14-271-01A	
Sample Location	RES-14-210-03		RES-14-271-01		RES-14-271-01		RES-14-271-01		RES-14-271-01A	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/16/99		11/15/99		11/15/99		11/15/99		12/2/99	
QC Identifier	None		Field Dup RES-SS-14-271-01		Field Dup RES-SS-14-271-01		Field Dup RES-SS-14-271-01		None	
Benzo(b)fluoranthene	NA		610	J	1200	J	1200		NA	
Benzo(g,h,i)perylene	NA		450	J	1100	J	1100		NA	
Benzo(k)fluoranthene	NA		410	J	1200	J	1200		NA	
Bis(2-Chloroethoxy)methane	NA		510	U	2500	U	2500	U	NA	
Bis(2-Chloroethyl)ether	NA		510	U	2500	U	2500	U	NA	
bis(2-Ethylhexyl)phthalate	NA		510	U	2500	U	2500	U	NA	
Butylbenzylphthalate	NA		510	U	2500	U	2500	U	NA	
Caprolactam	NA		510	U	2500	U	2500	U	NA	
Carbazole	NA		510	U	2500	U	2500	U	NA	
Chrysene	NA		480	J	1200	J	1200		NA	
Di-n-Butylphthalate	NA		65	EB	2500	U	2500	U	NA	
Di-n-octylphthalate	NA		510	U	2500	U	2500	U	NA	
Dibenzo(a,h)anthracene	NA		160	J	290	J	290		NA	
Dibenzofuran	NA		510	U	2500	U	2500	U	NA	
Diethylphthalate	NA		510	U	2500	U	2500	U	NA	
Dimethylphthalate	NA		510	U	2500	U	2500	U	NA	
Fluoranthene	NA		750	J	1900	J	1900		NA	
Fluorene	NA		510	U	2500	U	2500	U	NA	
Hexachlorobenzene	NA		510	U	2500	U	2500	U	NA	
Hexachlorobutadiene	NA		510	U	2500	U	2500	U	NA	
Hexachlorocyclopentadiene	NA		510	U	2500	U	2500	U	NA	
Hexachloroethane	NA		510	U	2500	U	2500	U	NA	
Indeno(1,2,3-cd)pyrene	NA		380	J	940	J	940		NA	
Isophorone	NA		510	U	2500	U	2500	U	NA	
N-Nitroso-di-n-propylamine	NA		510	U	2500	U	2500	U	NA	
N-Nitroso-diphenylamine	NA		510	U	2500	U	2500	U	NA	
Naphthalene	NA		510	U	2500	U	2500	U	NA	
Nitrobenzene	NA		510	U	2500	U	2500	U	NA	
Pentachlorophenol	NA		1300	U	6300	U	6300	U	NA	
Phenanthrene	NA		320	J	740	J	740		NA	
Phenol	NA		510	U	2500	U	2500	U	NA	
Pyrene	NA		740	J	2000	J	2000		NA	
Total PAH	NA		800		1800		1800		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-210-03		RES-SS-14-271-01		RES-SS-DU-111599A		RES-SS-14-271-01-MAX		RES-SS-14-271-01A	
Sample Location	RES-14-210-03		RES-14-271-01		RES-14-271-01		RES-14-271-01		RES-14-271-01A	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/16/99		11/15/99		11/15/99		11/15/99		12/2/99	
QC Identifier	None		Field Dup. RES-SS-14-271-01		Field Dup. RES-SS-14-271-01		Field Dup. RES-SS-14-271-01		None	
Pesticide/PCB Analysis (UG/KG)			AQB42		AQB43		AQB43			
4,4'-DDD	NA		5.2	U	5 1	U	5 2	U	NA	
4,4'-DDE	NA		8 7	J	4 9	J	8 7		NA	
4,4'-DDT	NA		6 8		8 2		8 2		NA	
Aldrin	NA		2 6	U	2 6	U	2 6	U	NA	
alpha-BHC	NA		2 6	U	2 6	U	2 6	U	NA	
alpha-Chlordane	NA		5 2		6 0		6 0		NA	
Aroclor, Total	NA		180		230		230		NA	
Aroclor-1016	NA		52	U	51	U	52	U	NA	
Aroclor-1221	NA		100	U	100	U	100	U	NA	
Aroclor-1232	NA		52	U	51	U	52	U	NA	
Aroclor-1242	NA		52	U	51	U	52	U	NA	
Aroclor-1248	NA		52	U	51	U	52	U	NA	
Aroclor-1254	NA		180		230		230		NA	
Aroclor-1260	NA		52	U	51	U	52	U	NA	
beta-BHC	NA		2 6	U	2 6	U	2 6	U	NA	
delta-BHC	NA		2 6	U	2 6	U	2 6	U	NA	
Dieldrin	NA		5 2	U	5 1	U	5 2	U	NA	
Endosulfan I	NA		2 6	U	2 6	U	2 6	U	NA	
Endosulfan II	NA		13	J	5 1	U	5 1	U	NA	
Endosulfan Sulfate	NA		5 2	U	5 1	U	5 2	U	NA	
Endrin	NA		5 2	U	5 1	U	5 2	U	NA	
Endrin Aldehyde	NA		5 2	U	5 1	U	5 2	U	NA	
Endrin Ketone	NA		5 2	U	5 1	U	5 2	U	NA	
gamma-BHC	NA		2 6	U	2 6	U	2 6	U	NA	
gamma-Chlordane	NA		2 9		3 2		3 2		NA	
Heptachlor	NA		2 6	U	2 6	U	2 6	U	NA	
Heptachlor Epoxide	NA		2 6	U	2 6	U	2 6	U	NA	
Methoxychlor	NA		26	U	26	U	26	U	NA	
Toxaphene	NA		260	U	260	U	260	U	NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-210-03		RES-SS-14-271-01	RES-SS-DU-111599A	RES-SS-14-271-01-MAX	RES-SS-14-271-01A	
Sample Location	RES-14-210-03		RES-14-271-01	RES-14-271-01	RES-14-271-01	RES-14-271-01A	
Interval	0 0-1 0		0 0-1 0	0 0-1 0	0 0-1 0	0 0-1 0	
Date Sampled	11/16/99		11/15/99	11/15/99	11/15/99	12/2/99	
QC Identifier	None		Field Dup. RES-SS-14-271-01	Field Dup. RES-SS-14-271-01	Field Dup. RES-SS-14-271-01	None	
Dioxin Analysis (NG/KG)	D01074					D01141	
1,2,3,4,6,7,8-HpCDD	36.2		NA	NA	NA	114	J
1,2,3,4,6,7,8-HpCDF	27.8		NA	NA	NA	23.4	
1,2,3,4,7,8,9-HpCDF	0.70	U	NA	NA	NA	1.1	U
1,2,3,4,7,8-HxCDD	2.1	U	NA	NA	NA	2.7	J
1,2,3,4,7,8-HxCDF	8.7		NA	NA	NA	4.3	UJ
1,2,3,6,7,8-HxCDD	3.1	U	NA	NA	NA	6.5	
1,2,3,6,7,8-HxCDF	4.0	J	NA	NA	NA	2.3	J
1,2,3,7,8,9-HxCDD	3.8	U	NA	NA	NA	5.8	
1,2,3,7,8,9-HxCDF	0.40	U	NA	NA	NA	0.70	U
1,2,3,7,8-PeCDD	1.3	U	NA	NA	NA	0.50	U
1,2,3,7,8-PeCDF	3.4	U	NA	NA	NA	2.4	J
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U	NA	NA	NA	36.06	J
2,3,4,6,7,8-HxCDF	5.2		NA	NA	NA	4.1	J
2,3,4,7,8-PeCDF	5.7	U	NA	NA	NA	2.8	J
2,3,7,8-TCDD	8.4		NA	NA	NA	231	
2,3,7,8-TCDF	14.7		NA	NA	NA	5.1	U
OCDD	256	JEB	NA	NA	NA	690	J
OCDF	19.1		NA	NA	NA	58.3	
Total HpCDD	68.6	J	NA	NA	NA	204	J
Total HpCDF	53.3	J	NA	NA	NA	53.1	J
Total HxCDD	32.2	UJ	NA	NA	NA	46.4	UJ
Total HxCDF	48.8	J	NA	NA	NA	48.0	J
Total PeCDD	20.7	J	NA	NA	NA	15.5	EMPC
Total PeCDF	54.3	J	NA	NA	NA	30.0	J
Total TCDD	24.5	J	NA	NA	NA	236	J
Total TCDF	95.4	J	NA	NA	NA	0.00	UJ
Toxicity Equivalency	15.0		NA	NA	NA	237	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-210-03		RES-SS-14-271-01		RES-SS-DU-111599A		RES-SS-14-271-01-MAX		RES-SS-14-271-01A	
Sample Location	RES-14-210-03		RES-14-271-01		RES-14-271-01		RES-14-271-01		RES-14-271-01A	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/16/99		11/15/99		11/15/99		11/15/99		12/2/99	
QC Identifier	None		Field Dup. RES-SS-14-271-01		Field Dup. RES-SS-14-271-01		Field Dup. RES-SS-14-271-01		None	
TAL Metal Analysis (MG/KG)			MALJ28		MALJ29		MALJ28			
Aluminum	NA		12700		14200		14200		NA	
Antimony	NA		1.6	UJ	2.3	UJ	2.3	U	NA	
Arsenic	NA		1.9	U	2.8	J	1.9	U	NA	
Barium	NA		108		127		127		NA	
Beryllium	NA		0.31	U	0.32	U	0.32	U	NA	
Cadmium	NA		0.31	U	0.32	U	0.32	U	NA	
Calcium	NA		3870		4170		4170		NA	
Chromium	NA		40.0	J	39.7	J	40.0		NA	
Cobalt	NA		20.4		20.3		20.4		NA	
Copper	NA		57.3		62.1		62.1		NA	
Iron	NA		23700		25200		25200		NA	
Lead	NA		61.0		71.2		71.2		NA	
Magnesium	NA		9370		10100		10100		NA	
Manganese	NA		510		598		598		NA	
Mercury	NA		0.16	U	0.17	U	0.17	U	NA	
Nickel	NA		32.2		33.8		33.8		NA	
Potassium	NA		3750		4380		4380		NA	
Selenium	NA		1.6	U	1.6	U	1.6	U	NA	
Silver	NA		0.53	J	0.50	J	0.53		NA	
Sodium	NA		255		262		262		NA	
Thallium	NA		2.2	U	2.3	U	2.3	U	NA	
Vanadium	NA		48.8		55.0		55.0		NA	
Zinc	NA		105		119		119		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-272-01		RES-SS-DU-111899A		RES-SS-14-272-01-MAX		RES-SS-14-302-01		RES-SS-14-303-01	
Sample Location	RES-14-272-01		RES-14-272-01		RES-14-272-01		RES-14-302-01		RES-14-303-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/15/99	
QC Identifier	Field Dup. RES-SS-14-272-01		Field Dup. RES-SS-14-272-01		Field Dup. RES-SS-14-272-01		None		None	
Semivolatile Organic Analysis (UG/KG)	AQC22		AQC30		AQC30		AQC31		AQB79	
1,1'-Biphenyl	620	U	3100	U	3100	U	5000	U	4800	U
2,2'-oxybis(1-Chloropropane)	620	U	3100	U	3100	U	5000	U	4800	U
2,4,5-Trichlorophenol	1600	U	7700	U	7700	U	12000	U	12000	U
2,4,6-Trichlorophenol	620	U	3100	U	3100	U	5000	U	4800	U
2,4-Dichlorophenol	620	U	3100	U	3100	U	5000	U	4800	U
2,4-Dimethylphenol	620	U	3100	U	3100	U	5000	U	4800	U
2,4-Dinitrophenol	1600	U	7700	U	7700	U	12000	UJ	12000	U
2,4-Dinitrotoluene	620	U	3100	U	3100	U	5000	U	4800	U
2,6-Dinitrotoluene	620	U	3100	U	3100	U	5000	U	4800	U
2-Chloronaphthalene	620	U	3100	U	3100	U	5000	U	4800	U
2-Chlorophenol	620	U	3100	U	3100	U	5000	U	4800	U
2-Methylnaphthalene	620	U	3100	U	3100	U	5000	U	4800	U
2-Methylphenol	620	U	3100	U	3100	U	5000	U	4800	U
2-Nitroaniline	1600	U	7700	U	7700	U	12000	UJ	12000	U
2-Nitrophenol	620	U	3100	U	3100	U	5000	U	4800	U
3,3'-Dichlorobenzidine	620	U	3100	U	3100	U	5000	UJ	4800	U
3-Nitroaniline	1600	U	7700	U	7700	U	12000	U	12000	U
4,6-Dinitro-2-methylphenol	1600	U	7700	U	7700	U	12000	UJ	12000	U
4-Bromophenyl-phenylether	620	U	3100	U	3100	U	5000	U	4800	U
4-Chloro-3-methylphenol	620	U	3100	U	3100	U	5000	U	4800	U
4-Chloroaniline	620	U	3100	U	3100	U	5000	U	4800	U
4-Chlorophenyl-phenylether	620	U	3100	U	3100	U	5000	U	4800	U
4-Methylphenol	620	U	3100	U	3100	U	5000	U	4800	U
4-Nitroaniline	1600	U	7700	U	7700	U	12000	U	12000	U
4-Nitrophenol	1600	U	7700	U	7700	U	12000	UJ	12000	U
Acenaphthene	620	U	3100	U	3100	U	5000	U	4800	UJ
Acenaphthylene	620	U	3100	U	3100	U	5000	U	4800	U
Acetophenone	620	U	3100	U	3100	U	5000	U	4800	U
Anthracene	88	J	3100	U	3100	U	87	J	580	J
Atrazine	620	U	3100	U	3100	U	5000	UJ	4800	U
Benzaldehyde	780		1200	J	780		5000	U	4800	U
Benzo(a)anthracene	580	J	780	J	780		560	J	1400	J
Benzo(a)pyrene	590	J	830	J	830		630	J	1300	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-272-01		RES-SS-DU-111899A		RES-SS-14-272-01-MAX		RES-SS-14-302-01		RES-SS-14-303-01	
Sample Location	RES-14-272-01		RES-14-272-01		RES-14-272-01		RES-14-302-01		RES-14-303-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/15/99	
QC Identifier	Field Dup. RES-SS-14-272-01		Field Dup. RES-SS-14-272-01		Field Dup. RES-SS-14-272-01		None		None	
Benzo(b)fluoranthene	930		1200	J	930		650	J	500	J
Benzo(g,h,i)perylene	190	J	3100	U	3100	U	510	J	1000	J
Benzo(k)fluoranthene	950		870	J	950		620	J	630	J
Bis(2-Chloroethoxy)methane	620	U	3100	U	3100	U	5000	U	4800	U
Bis(2-Chloroethyl)ether	620	U	3100	U	3100	U	5000	U	4800	U
bis(2-Ethylhexyl)phthalate	670	U	3100	U	3100	U	780	J	10000	
Butylbenzylphthalate	620	U	3100	U	3100	U	5000	U	4800	U
Caprolactam	620	U	3100	U	3100	U	5000	UJ	4800	U
Carbazole	84	J	3100	U	3100	U	5000	U	4800	U
Chrysene	860		990	J	860		830	J	1800	J
Di-n-Butylphthalate	620	U	3100	U	3100	U	5000	U	4800	U
Di-n-octylphthalate	620	U	3100	U	3100	U	5000	U	800	J
Dibenzo(a,h)anthracene	620	U	3100	U	3100	U	5000	U	4800	U
Dibenzofuran	620	U	3100	U	3100	U	5000	U	4800	U
Diethylphthalate	620	U	3100	U	3100	U	5000	U	4800	U
Dimethylphthalate	620	U	3100	U	3100	U	5000	U	4800	U
Fluoranthene	1400		1900	J	1400		1300	J	3400	J
Fluorene	620	U	3100	U	3100	U	5000	U	4800	U
Hexachlorobenzene	620	U	3100	U	3100	U	5000	UJ	4800	U
Hexachlorobutadiene	620	U	3100	U	3100	U	5000	U	4800	U
Hexachlorocyclopentadiene	620	U	3100	U	3100	U	5000	UJ	4800	U
Hexachloroethane	620	U	3100	U	3100	U	5000	U	4800	U
Indeno(1,2,3-cd)pyrene	210	J	3100	U	3100	U	5000	U	960	J
Isophorone	620	U	3100	U	3100	U	5000	U	4800	U
N-Nitroso-di-n-propylamine	620	U	3100	U	3100	U	5000	UJ	4800	U
N-Nitroso-diphenylamine	620	U	3100	U	3100	U	5000	U	4800	UJ
Naphthalene	620	U	3100	U	3100	U	5000	U	4800	U
Nitrobenzene	620	U	3100	U	3100	U	5000	U	4800	U
Pentachlorophenol	1600	U	7700	U	7700	U	12000	UJ	12000	U
Phenanthrene	620	J	840	J	840		680	J	2100	J
Phenol	620	U	3100	U	3100	U	5000	U	4800	U
Pyrene	1000		1400	J	1000		1100	J	3400	J
Total PAH	770		1000		3100	U	760		1600	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-272-01		RES-SS-DU-111899A		RES-SS-14-272-01-MAX		RES-SS-14-302-01		RES-SS-14-303-01	
Sample Location	RES-14-272-01		RES-14-272-01		RES-14-272-01		RES-14-302-01		RES-14-303-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/15/99	
QC Identifier	Field Dup. RES-SS-14-272-01		Field Dup. RES-SS-14-272-01		Field Dup. RES-SS-14-272-01		None		None	
Pesticide/PCB Analysis (UG/KG)	AQC22		AQC30		AQC22		AQC31		AQB79	
4,4'-DDD	6.2	U	6.1	U	6.2	U	9.9	U	97	U
4,4'-DDE	35	J	18	J	35		33		1100	
4,4'-DDT	18	J	10	J	18		38		97	U
Aldrin	3.2	U	3.2	U	3.2	U	5.1	U	50	U
alpha-BHC	3.2	U	3.2	U	3.2	U	5.1	U	50	U
alpha-Chlordane	8.8	J	5.0	J	8.8		5.1	U	50	U
Aroclor, Total	710		430		710		380		48000	
Aroclor-1016	62	U	61	U	62	U	99	U	970	U
Aroclor-1221	130	U	120	U	130	U	200	U	2000	U
Aroclor-1232	62	U	61	U	62	U	99	U	970	U
Aroclor-1242	62	U	61	U	62	U	99	U	11000	
Aroclor-1248	62	U	61	U	62	U	99	U	970	U
Aroclor-1254	710		430		710		270		37000	*
Aroclor-1260	62	U	61	U	62	U	110		970	U
beta-BHC	3.2	U	3.2	U	3.2	U	5.1	U	50	U
delta-BHC	3.2	U	3.2	U	3.2	U	5.1	U	50	U
Dieldrin	6.2	U	6.1	U	6.2	U	16		97	U
Endosulfan I	3.2	U	3.2	U	3.2	U	5.1	U	50	U
Endosulfan II	72	J	40	J	72		9.9	U	3400	*
Endosulfan Sulfate	6.2	U	6.1	U	6.2	U	9.9	U	97	U
Endrin	6.2	U	6.1	U	6.2	U	9.9	U	97	U
Endrin Aldehyde	6.2	U	6.1	U	6.2	U	9.9	U	97	U
Endrin Ketone	6.2	U	6.1	U	6.2	U	9.9	U	97	U
gamma-BHC	3.2	U	3.2	U	3.2	U	5.1	U	50	U
gamma-Chlordane	5.2	J	3.2	UJ	5.2		5.1	U	260	
Heptachlor	3.2	U	3.2	U	3.2	U	5.1	U	50	U
Heptachlor Epoxide	3.2	U	3.2	U	3.2	U	5.1	U	50	U
Methoxychlor	32	U	32	U	32	U	51	U	500	U
Toxaphene	320	U	320	U	320	U	510	U	5000	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-272-01	RES-SS-DU-111899A	RES-SS-14-272-01-MAX	RES-SS-14-302-01	RES-SS-14-303-01		
Sample Location	RES-14-272-01	RES-14-272-01	RES-14-272-01	RES-14-302-01	RES-14-303-01		
Interval	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0		
Date Sampled	11/18/99	11/18/99	11/18/99	11/18/99	11/15/99		
QC Identifier	Field Dup. RES-SS-14-272-01	Field Dup. RES-SS-14-272-01	Field Dup. RES-SS-14-272-01	None	None		
					D01052		
Dioxin Analysis (NG/KG)							
1,2,3,4,6,7,8-HpCDD	NA	NA	NA	NA	4420	J&
1,2,3,4,6,7,8-HpCDF	NA	NA	NA	NA	354	J
1,2,3,4,7,8,9-HpCDF	NA	NA	NA	NA	44.7	J
1,2,3,4,7,8-HxCDD	NA	NA	NA	NA	74.5	J
1,2,3,4,7,8-HxCDF	NA	NA	NA	NA	172	J
1,2,3,6,7,8-HxCDD	NA	NA	NA	NA	199	J
1,2,3,6,7,8-HxCDF	NA	NA	NA	NA	70.4	J
1,2,3,7,8,9-HxCDD	NA	NA	NA	NA	238	J
1,2,3,7,8,9-HxCDF	NA	NA	NA	NA	3.8	UJ
1,2,3,7,8-PeCDD	NA	NA	NA	NA	39.5	J
1,2,3,7,8-PeCDF	NA	NA	NA	NA	60.9	J
1,2,4,5,7,8-hexachloro(9H)xanthene	NA	NA	NA	NA	259.47	J&
2,3,4,6,7,8-HxCDF	NA	NA	NA	NA	73.1	J
2,3,4,7,8-PeCDF	NA	NA	NA	NA	62.5	J
2,3,7,8-TCDD	NA	NA	NA	NA	4030	J&
2,3,7,8-TCDF	NA	NA	NA	NA	109	J
OCDD	NA	NA	NA	NA	29200	J&
OCDF	NA	NA	NA	NA	561	J
Total HpCDD	NA	NA	NA	NA	7030	J&
Total HpCDF	NA	NA	NA	NA	855	J
Total HxCDD	NA	NA	NA	NA	1710	J
Total HxCDF	NA	NA	NA	NA	1370	J
Total PeCDD	NA	NA	NA	NA	162	J
Total PeCDF	NA	NA	NA	NA	992	J
Total TCDD	NA	NA	NA	NA	4030	J&
Total TCDF	NA	NA	NA	NA	1040	J
Toxicity Equivalency	NA	NA	NA	NA	4250	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-272-01		RES-SS-DU-111899A		RES-SS-14-272-01-MAX		RES-SS-14-302-01		RES-SS-14-303-01	
Sample Location	RES-14-272-01		RES-14-272-01		RES-14-272-01		RES-14-302-01		RES-14-303-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/18/99		11/18/99		11/18/99		11/18/99		11/15/99	
QC Identifier	Field Dup. RES-SS-14-272-01		Field Dup. RES-SS-14-272-01		Field Dup. RES-SS-14-272-01		None		None	
TAL Metal Analysis (MG/KG)	MALJ76		MALJ80		MALJ80		MALJ81		MALJ30	
Aluminum	4310		6340		6340		5640		6700	
Antimony	1.6	U	2.0	J	1.6	U	1.6	UJ	6.6	U
Arsenic	3.5		4.7	J	3.5		2.0	J	6.4	J
Barium	189		290		290		221		154	
Beryllium	0.40	UJ	0.40	U	0.40	U	0.36		0.57	U
Cadmium	0.32	J	0.40	U	0.40	U	1.2		7.9	
Calcium	5630		7370		7370		14700		3000	
Chromium	30.3		41.3		41.3		27.3		212	J
Cobalt	3.7		4.3		4.3		3.1		6.9	
Copper	73.5		98.3		98.3		58.2		116	
Iron	10400		14200		14200		10200		21100	
Lead	269		359		359		299		946	
Magnesium	1120		1320		1320		1650	J	2230	
Manganese	315		327		327		386		228	
Mercury	0.15	U	0.20	U	0.20	U	0.27	J	0.62	
Nickel	11.5		13.3		13.3		16.3		38.3	
Potassium	397		501		501		524		909	
Selenium	1.6	U	2.0	U	2.0	U	1.5	J	3.1	J
Silver	0.77	U	0.80	U	0.80	U	0.83	U	0.98	J
Sodium	152		233		233		92.2	U	261	
Thallium	2.2	UJ	2.8	UJ	2.8	U	1.2	U	4.0	U
Vanadium	24.3		31.9		31.9		26.7		58.7	
Zinc	236		324		324		413		581	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-303-02	RES-SS-14-333-01		RES-SS-14-333-02		RES-SS-14-333-03		RES-SS-14-334-01		RES-SS-14-365-01	
Sample Location	RES-14-303-02	RES-14-333-01		RES-14-333-02		RES-14-333-03		RES-14-334-01		RES-14-365-01	
Interval	0.0-1.0	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/15/99	11/15/99		11/15/99		11/15/99		11/15/99		11/15/99	
QC Identifier	None	None		None		None		None		None	
Semivolatile Organic Analysis (UG/KG)		AQB80						AQB81		AQB82	
1,1'-Biphenyl		NA		R		NA		NA	5400 U	8800	U
2,2'-oxybis(1-Chloropropane)		NA		R		NA		NA	5400 U	8800	U
2,4,5-Trichlorophenol		NA		R		NA		NA	13000 U	22000	U
2,4,6-Trichlorophenol		NA		R		NA		NA	5400 U	8800	U
2,4-Dichlorophenol		NA		R		NA		NA	5400 U	8800	U
2,4-Dimethylphenol		NA		R		NA		NA	5400 U	8800	U
2,4-Dinitrophenol		NA		R		NA		NA	13000 U	22000	U
2,4-Dinitrotoluene		NA		R		NA		NA	5400 U	8800	U
2,6-Dinitrotoluene		NA		R		NA		NA	5400 U	8800	U
2-Chloronaphthalene		NA		R		NA		NA	5400 U	8800	U
2-Chlorophenol		NA		R		NA		NA	5400 U	8800	U
2-Methylnaphthalene		NA		R		NA		NA	5400 U	8800	U
2-Methylphenol		NA		R		NA		NA	5400 U	8800	U
2-Nitroaniline		NA		R		NA		NA	13000 U	22000	U
2-Nitrophenol		NA		R		NA		NA	5400 U	8800	U
3,3'-Dichlorobenzidine		NA		R		NA		NA	5400 U	8800	U
3-Nitroaniline		NA		R		NA		NA	13000 U	22000	U
4,6-Dinitro-2-methylphenol		NA		R		NA		NA	13000 U	22000	U
4-Bromophenyl-phenylether		NA		R		NA		NA	5400 U	8800	U
4-Chloro-3-methylphenol		NA		R		NA		NA	5400 U	8800	U
4-Chloroaniline		NA		R		NA		NA	5400 U	8800	U
4-Chlorophenyl-phenylether		NA		R		NA		NA	5400 U	8800	U
4-Methylphenol		NA		R		NA		NA	5400 U	8800	U
4-Nitroaniline		NA		R		NA		NA	13000 U	22000	U
4-Nitrophenol		NA		R		NA		NA	13000 UJ	22000	U
Acenaphthene		NA		R		NA		NA	810 J	8800	U
Acenaphthylene		NA		R		NA		NA	5400 U	8800	U
Acetophenone		NA		R		NA		NA	5400 U	8800	U
Anthracene		NA	680	J		NA		NA	1800 J	520	J
Atrazine		NA		R		NA		NA	5400 UJ	8800	UJ
Benzaldehyde		NA		R		NA		NA	5400 UJ	8800	UJ
Benzo(a)anthracene		NA	2300	J		NA		NA	8400	2200	J
Benzo(a)pyrene		NA	2800	J		NA		NA	9200	2500	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-303-02		RES-SS-14-333-01		RES-SS-14-333-02		RES-SS-14-333-03		RES-SS-14-334-01		RES-SS-14-365-01	
Sample Location	RES-14-303-02		RES-14-333-01		RES-14-333-02		RES-14-333-03		RES-14-334-01		RES-14-365-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/15/99		11/15/99		11/15/99		11/15/99		11/15/99		11/15/99	
QC Identifier	None		None		None		None		None		None	
Benzo(b)fluoranthene	NA		4200	J	NA		NA		9500		2500	J
Benzo(g,h,i)perylene	NA		2600	J	NA		NA		7000		2200	J
Benzo(k)fluoranthene	NA		3400	J	NA		NA		9200		2800	J
Bis(2-Chloroethoxy)methane	NA			R	NA		NA		5400	U	8800	U
Bis(2-Chloroethyl)ether	NA			R	NA		NA		5400	U	8800	U
bis(2-Ethylhexyl)phthalate	NA		7100	UJ	NA		NA		5700		8800	U
Butylbenzylphthalate	NA			R	NA		NA		5400	U	8800	U
Caprolactam	NA			R	NA		NA		5400	U	8800	U
Carbazole	NA			R	NA		NA		1800	J	8800	U
Chrysene	NA		3400	J	NA		NA		11000		3200	J
Di-n-Butylphthalate	NA			R	NA		NA		5400	U	8800	U
Di-n-octylphthalate	NA		7100	U	NA		NA		5400	U	8800	U
Dibenzo(a,h)anthracene	NA		760	J	NA		NA		2600	J	8800	U
Dibenzofuran	NA			R	NA		NA		5400	U	8800	U
Diethylphthalate	NA			R	NA		NA		5400	U	8800	U
Dimethylphthalate	NA			R	NA		NA		5400	U	8800	U
Fluoranthene	NA		6200	J	NA		NA		20000		5200	J
Fluorene	NA			R	NA		NA		800	J	8800	U
Hexachlorobenzene	NA			R	NA		NA		5400	U	8800	U
Hexachlorobutadiene	NA			R	NA		NA		5400	U	8800	U
Hexachlorocyclopentadiene	NA			R	NA		NA		5400	U	8800	U
Hexachloroethane	NA			R	NA		NA		5400	U	8800	U
Indeno(1,2,3-cd)pyrene	NA		2400	J	NA		NA		6800		2000	J
Isophorone	NA			R	NA		NA		5400	U	8800	U
N-Nitroso-di-n-propylamine	NA			R	NA		NA		5400	U	8800	U
N-Nitroso-diphenylamine	NA			R	NA		NA		5400	U	8800	U
Naphthalene	NA			R	NA		NA		5400	U	8800	U
Nitrobenzene	NA			R	NA		NA		5400	U	8800	U
Pentachlorophenol	NA		18000	J	NA		NA		13000	U	22000	U
Phenanthrene	NA		2800	J	NA		NA		10000		3400	J
Phenol	NA			R	NA		NA		5400	U	8800	U
Pyrene	NA		5600	J	NA		NA		18000		5000	J
Total PAH	NA		4500		NA		NA		14000		3200	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-303-02	RES-SS-14-333-01	RES-SS-14-333-02	RES-SS-14-333-03	RES-SS-14-334-01	RES-SS-14-365-01
Sample Location	RES-14-303-02	RES-14-333-01	RES-14-333-02	RES-14-333-03	RES-14-334-01	RES-14-365-01
Interval	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
Date Sampled	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99
QC Identifier	None	None	None	None	None	None
Pesticide/PCB Analysis (UG/KG)		AQB80			AQB81	AQB82
4,4'-DDD	NA	R	NA	NA	23 J	8.5 J
4,4'-DDE	NA	R	NA	NA	5.4 U	8.9 U
4,4'-DDT	NA	20 J	NA	NA	6.3 J	5.9 J
Aldrin	NA	R	NA	NA	2.8 U	4.6 U
alpha-BHC	NA	R	NA	NA	2.8 U	4.6 U
alpha-Chlordane	NA	24 J	NA	NA	27	10
Aroclor, Total	NA	1490	NA	NA	540	80
Aroclor-1016	NA	R	NA	NA	54 U	89 U
Aroclor-1221	NA	R	NA	NA	110 U	180 U
Aroclor-1232	NA	R	NA	NA	54 U	89 U
Aroclor-1242	NA	190 J	NA	NA	54 U	89 U
Aroclor-1248	NA	R	NA	NA	54 U	89 U
Aroclor-1254	NA	1300 J	NA	NA	540	80 J
Aroclor-1260	NA	R	NA	NA	54 U	89 U
beta-BHC	NA	R	NA	NA	2.8 U	4.6 U
delta-BHC	NA	R	NA	NA	2.8 U	4.6 U
Dieldrin	NA	R	NA	NA	5.4 U	8.9 U
Endosulfan I	NA	R	NA	NA	2.8 U	4.6 U
Endosulfan II	NA	98 J	NA	NA	5.4 U	8.9 U
Endosulfan Sulfate	NA	R	NA	NA	5.4 U	8.9 U
Endrin	NA	R	NA	NA	5.4 U	8.9 U
Endrin Aldehyde	NA	R	NA	NA	5.4 U	8.9 U
Endrin Ketone	NA	20 J	NA	NA	34	8.9 U
gamma-BHC	NA	R	NA	NA	2.8 U	4.6 U
gamma-Chlordane	NA	39 J	NA	NA	36	9.0
Heptachlor	NA	R	NA	NA	2.8 U	4.6 U
Heptachlor Epoxide	NA	R	NA	NA	2.8 U	4.6 U
Methoxychlor	NA	R	NA	NA	28 U	46 U
Toxaphene	NA	R	NA	NA	280 U	460 U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-303-02		RES-SS-14-333-01		RES-SS-14-333-02		RES-SS-14-333-03		RES-SS-14-334-01		RES-SS-14-365-01	
Sample Location	RES-14-303-02		RES-14-333-01		RES-14-333-02		RES-14-333-03		RES-14-334-01		RES-14-365-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/15/99		11/15/99		11/15/99		11/15/99		11/15/99		11/15/99	
QC Identifier	None		None		None		None		None		None	
Dioxin Analysis (NG/KG)	D01054		D01055		D01056		D01057				D01058	
1,2,3,4,6,7,8-HpCDD	1330	J	1580	J	95.4		377		NA		136	
1,2,3,4,6,7,8-HpCDF	139	J	371	J	54.2		78.8		NA		247	
1,2,3,4,7,8,9-HpCDF	7.5	J	22.0	J	1.8	J	6.3		NA		16.9	
1,2,3,4,7,8-HxCDD	33.9	J	39.0	J	1.9	J	7.1		NA		3.8	U
1,2,3,4,7,8-HxCDF	37.3	J	35.2	J	5.0		35.8		NA		0.60	U
1,2,3,6,7,8-HxCDD	80.4	J	98.0	J	5.0	EMPC	20.8		NA		12.6	
1,2,3,6,7,8-HxCDF	19.3	J	28.4	J	4.0	J	18.1		NA		30.3	
1,2,3,7,8,9-HxCDD	95.8	J	88.2	J	5.6		1.0	U	NA		12.2	
1,2,3,7,8,9-HxCDF	2.8	UJ	3.8	UJ	0.70	U	0.77	J	NA		0.70	U
1,2,3,7,8-PeCDD	28.9	J	23.7	J	0.70	UJ	17.2		NA		3.3	U
1,2,3,7,8-PeCDF	9.0	J	13.2	J	0.83	EMPC	15.1	EMPC	NA		11.1	
1,2,4,5,7,8-hexachloro(9H)xanthene	511.938	J&	88.06	J&	11.41	J	334.78	J&	NA		4.82	J
2,3,4,6,7,8-HxCDF	22.0	J	36.8	J	7.4		24.3		NA		29.5	
2,3,4,7,8-PeCDF	18.5	J	17.4	J	2.9	J	22.9		NA		12.5	
2,3,7,8-TCDD	10520	J	1290	J&	96.1		2330	J	NA		8.5	
2,3,7,8-TCDF	57.0	J	30.6	J	4.7		0.50	U	NA		32.0	
OCDD	6450	J&	9440	J&	624	J	2430		NA		779	JEB
OCDF	216	J	866	J	45.8	J	93.2		NA		182	J
Total HpCDD	2380	J	3030	J&	166	J	685	J	NA		276	J
Total HpCDF	146	J	700	J	102	J	159	J	NA		433	J
Total HxCDD	691	J	653	J	40.6	J	287	J	NA		107	J
Total HxCDF	549	J	664	J	108	J	417	J	NA		318	J
Total PeCDD	61.2	J	177	J	24.0	J	151	J	NA		30.0	J
Total PeCDF	977	J	492	J	129	J	803	J	NA		160	J
Total TCDD	10620	J	1290	J&	101	J	2410	J	NA		16.5	J
Total TCDF	1920	J	691	J	121	J	1090	J	NA		179	J
Toxicity Equivalency	10600		1380		103		2380		NA		33.0	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-303-02		RES-SS-14-333-01		RES-SS-14-333-02		RES-SS-14-333-03		RES-SS-14-334-01		RES-SS-14-365-01	
Sample Location	RES-14-303-02		RES-14-333-01		RES-14-333-02		RES-14-333-03		RES-14-334-01		RES-14-365-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/15/99		11/15/99		11/15/99		11/15/99		11/15/99		11/15/99	
QC Identifier	None		None		None		None		None		None	
TAL Metal Analysis (MG/KG)			MALJ32						MALJ33		MALJ34	
Aluminum	NA		10200	J			NA		5620		11600	
Antimony	NA		4.7	UJ			NA		2.4	UJ	6.6	U
Arsenic	NA		12.1	J			NA		3.1	J	5.8	J
Barium	NA		115	J			NA		76.5		76.6	
Beryllium	NA			R			NA		0.36	U	1.3	
Cadmium	NA			R			NA		0.73		1.4	
Calcium	NA		7620	J			NA		3260		4920	
Chromium	NA		51.7	J			NA		40.5	J	289	J
Cobalt	NA		10.1	J			NA		5.7		4.3	
Copper	NA		283	J			NA		72.7		121	
Iron	NA		52400	J			NA		17300		10500	
Lead	NA		590	J			NA		223		386	
Magnesium	NA		3450	J			NA		2290		1810	
Manganese	NA		1250	J			NA		406		115	
Mercury	NA			R			NA		0.18	U	0.32	U
Nickel	NA		21.8	J			NA		13.5		13.8	
Potassium	NA		1040	J			NA		732		518	
Selenium	NA			R			NA		1.8	U	3.1	U
Silver	NA		1.6	J			NA		0.53	J	1.6	J
Sodium	NA		845	J			NA		208		315	
Thallium	NA		6.8	J			NA		2.6	U	4.3	U
Vanadium	NA		57.3	J			NA		20.8		32.6	
Zinc	NA		337	J			NA		247		345	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-365-02		RES-SS-14-365-03		RES-SS-14-366-01		RES-SS-14-366-02		RES-SS-14-366-03		RES-SS-14-398-01	
Sample Location	RES-14-365-02		RES-14-365-03		RES-14-366-01		RES-14-366-02		RES-14-366-03		RES-14-398-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/15/99		11/15/99		11/15/99		11/15/99		11/15/99		11/15/99	
QC Identifier	None		None		None		None		None		None	
Semivolatile Organic Analysis (UG/KG)					AQB83						AQB84	
1,1'-Biphenyl	NA		NA	5000	U		NA		NA	4000	U	
2,2'-oxybis(1-Chloropropane)	NA		NA	5000	UJ		NA		NA	4000	U	
2,4,5-Trichlorophenol	NA		NA	12000	U		NA		NA	10000	U	
2,4,6-Trichlorophenol	NA		NA	5000	U		NA		NA	4000	U	
2,4-Dichlorophenol	NA		NA	5000	U		NA		NA	4000	U	
2,4-Dimethylphenol	NA		NA	5000	U		NA		NA	4000	U	
2,4-Dinitrophenol	NA		NA	12000	UJ		NA		NA	10000	U	
2,4-Dinitrotoluene	NA		NA	5000	U		NA		NA	4000	U	
2,6-Dinitrotoluene	NA		NA	5000	U		NA		NA	4000	U	
2-Chloronaphthalene	NA		NA	5000	U		NA		NA	4000	U	
2-Chlorophenol	NA		NA	5000	U		NA		NA	4000	U	
2-Methylnaphthalene	NA		NA	5000	U		NA		NA	4000	U	
2-Methylphenol	NA		NA	5000	U		NA		NA	4000	U	
2-Nitroaniline	NA		NA	12000	UJ		NA		NA	10000	U	
2-Nitrophenol	NA		NA	5000	U		NA		NA	4000	U	
3,3'-Dichlorobenzidine	NA		NA	5000	U		NA		NA	4000	U	
3-Nitroaniline	NA		NA	12000	U		NA		NA	10000	U	
4,6-Dinitro-2-methylphenol	NA		NA	12000	U		NA		NA	10000	U	
4-Bromophenyl-phenylether	NA		NA	5000	U		NA		NA	4000	U	
4-Chloro-3-methylphenol	NA		NA	5000	U		NA		NA	4000	U	
4-Chloroaniline	NA		NA	5000	U		NA		NA	4000	U	
4-Chlorophenyl-phenylether	NA		NA	5000	U		NA		NA	4000	U	
4-Methylphenol	NA		NA	5000	U		NA		NA	4000	U	
4-Nitroaniline	NA		NA	12000	U		NA		NA	10000	U	
4-Nitrophenol	NA		NA	12000	UJ		NA		NA	10000	U	
Acenaphthene	NA		NA	1200	J		NA		NA	4000	U	
Acenaphthylene	NA		NA	5000	U		NA		NA	4000	U	
Acetophenone	NA		NA	5000	U		NA		NA	4000	U	
Anthracene	NA		NA	1600	J		NA		NA	440	J	
Atrazine	NA		NA	5000	U		NA		NA	4000	U	
Benzaldehyde	NA		NA	5000	UJ		NA		NA	4000	U	
Benzo(a)anthracene	NA		NA	7100			NA		NA	2600	J	
Benzo(a)pyrene	NA		NA	7600			NA		NA	2800	J	

Summary of Sediment/Soil Analytical Results
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Sample Number	RES-SS-14-365-02		RES-SS-14-365-03		RES-SS-14-366-01		RES-SS-14-366-02		RES-SS-14-366-03		RES-SS-14-398-01	
Sample Location	RES-14-365-02		RES-14-365-03		RES-14-366-01		RES-14-366-02		RES-14-366-03		RES-14-398-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/15/99		11/15/99		11/15/99		11/15/99		11/15/99		11/15/99	
QC Identifier	None		None		None		None		None		None	
Benzo(b)fluoranthene		NA		NA	8300			NA		NA	3800	J
Benzo(g,h,i)perylene		NA		NA	5100			NA		NA	2600	J
Benzo(k)fluoranthene		NA		NA	7300			NA		NA	3300	J
Bis(2-Chloroethoxy)methane		NA		NA	5000	U		NA		NA	4000	U
Bis(2-Chloroethyl)ether		NA		NA	5000	UJ		NA		NA	4000	U
bis(2-Ethylhexyl)phthalate		NA		NA	5000	U		NA		NA	3700	J
Butylbenzylphthalate		NA		NA	5000	U		NA		NA	430	J
Caprolactam		NA		NA	5000	U		NA		NA	4000	U
Carbazole		NA		NA	1600	J		NA		NA	4000	U
Chrysene		NA		NA	9200			NA		NA	3600	J
Di-n-Butylphthalate		NA		NA	5000	U		NA		NA	610	EB
Di-n-octylphthalate		NA		NA	5000	U		NA		NA	4000	U
Dibenzo(a,h)anthracene		NA		NA	1600	J		NA		NA	750	J
Dibenzofuran		NA		NA	640	J		NA		NA	4000	U
Diethylphthalate		NA		NA	5000	U		NA		NA	4000	U
Dimethylphthalate		NA		NA	5000	U		NA		NA	4000	U
Fluoranthene		NA		NA	19000			NA		NA	5400	
Fluorene		NA		NA	930	J		NA		NA	4000	U
Hexachlorobenzene		NA		NA	5000	U		NA		NA	4000	U
Hexachlorobutadiene		NA		NA	5000	U		NA		NA	4000	U
Hexachlorocyclopentadiene		NA		NA	5000	U		NA		NA	4000	U
Hexachloroethane		NA		NA	5000	U		NA		NA	4000	U
Indeno(1,2,3-cd)pyrene		NA		NA	4700	J		NA		NA	2400	J
Isophorone		NA		NA	5000	U		NA		NA	4000	U
N-Nitroso-di-n-propylamine		NA		NA	5000	UJ		NA		NA	4000	U
N-Nitroso-diphenylamine		NA		NA	5000	U		NA		NA	4000	U
Naphthalene		NA		NA	5000	U		NA		NA	4000	U
Nitrobenzene		NA		NA	5000	UJ		NA		NA	4000	U
Pentachlorophenol		NA		NA	12000	U		NA		NA	10000	U
Phenanthrene		NA		NA	12000			NA		NA	3100	J
Phenol		NA		NA	5000	U		NA		NA	4000	U
Pyrene		NA		NA	16000			NA		NA	6000	
Total PAH		NA		NA	11000			NA		NA	45[illegible]	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-365-02		RES-SS-14-365-03		RES-SS-14-366-01		RES-SS-14-366-02		RES-SS-14-366-03		RES-SS-14-398-01	
Sample Location	RES-14-365-02		RES-14-365-03		RES-14-366-01		RES-14-366-02		RES-14-366-03		RES-14-398-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/15/99		11/15/99		11/15/99		11/15/99		11/15/99		11/15/99	
QC Identifier	None		None		None		None		None		None	
Pesticide/PCB Analysis (UG/KG)					AQB83						AQB84	
4,4'-DDD	NA		NA		7.2	J	NA		NA		14	J
4,4'-DDE	NA		NA		5.0	U	NA		NA		55	
4,4'-DDT	NA		NA		14	J	NA		NA		9.1	J
Aldrin	NA		NA		2.6	U	NA		NA		4.1	U
alpha-BHC	NA		NA		2.6	U	NA		NA		4.1	U
alpha-Chlordane	NA		NA		14		NA		NA		62	
Aroclor, Total	NA		NA		380		NA		NA		1500	
Aroclor-1016	NA		NA		50	U	NA		NA		80	U
Aroclor-1221	NA		NA		100	U	NA		NA		160	U
Aroclor-1232	NA		NA		50	U	NA		NA		80	U
Aroclor-1242	NA		NA		50	U	NA		NA		80	U
Aroclor-1248	NA		NA		50	U	NA		NA		80	U
Aroclor-1254	NA		NA		380		NA		NA		1500	
Aroclor-1260	NA		NA		50	U	NA		NA		80	U
beta-BHC	NA		NA		2.6	U	NA		NA		4.1	U
delta-BHC	NA		NA		2.6	U	NA		NA		4.1	U
Dieldrin	NA		NA		5.0	U	NA		NA		8.0	U
Endosulfan I	NA		NA		2.6	U	NA		NA		4.1	U
Endosulfan II	NA		NA		5.0	U	NA		NA		88	
Endosulfan Sulfate	NA		NA		5.0	U	NA		NA		8.0	U
Endrin	NA		NA		5.0	U	NA		NA		8.0	U
Endrin Aldehyde	NA		NA		5.0	U	NA		NA		8.0	U
Endrin Ketone	NA		NA		15		NA		NA		8.0	U
gamma-BHC	NA		NA		2.6	U	NA		NA		4.1	U
gamma-Chlordane	NA		NA		15		NA		NA		74	
Heptachlor	NA		NA		2.6	U	NA		NA		4.1	U
Heptachlor Epoxide	NA		NA		2.6	U	NA		NA		4.1	U
Methoxychlor	NA		NA		26	U	NA		NA		41	U
Toxaphene	NA		NA		260	U	NA		NA		410	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-365-02		RES-SS-14-365-03		RES-SS-14-366-01		RES-SS-14-366-02		RES-SS-14-366-03		RES-SS-14-398-01	
Sample Location	RES-14-365-02		RES-14-365-03		RES-14-366-01		RES-14-366-02		RES-14-366-03		RES-14-398-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/15/99		11/15/99		11/15/99		11/15/99		11/15/99		11/15/99	
QC Identifier	None		None		None		None		None		None	
Dioxin Analysis (NG/KG)	D01061		D01067		D01062		D01063		D01064			
1,2,3,4,6,7,8-HpCDD	331		181		792		2410	J$	59.6	J		NA
1,2,3,4,6,7,8-HpCDF	103		41.9		128		378	J	15.9	J		NA
1,2,3,4,7,8,9-HpCDF	6.2		2.4	JEB	13.1		29.3	J	1.8	UJ		NA
1,2,3,4,7,8-HxCDD	8.8		2.4	J	10.0		36.4	J	1.1	UJ		NA
1,2,3,4,7,8-HxCDF	19.9		5.7		9.7		51.1	J	3.7	UJ		NA
1,2,3,6,7,8-HxCDD	20.9		8.1		29.7		95.9	J	3.2	UJ		NA
1,2,3,6,7,8-HxCDF	13.3		3.5	J	7.6		31.6	J	1.9	UJ		NA
1,2,3,7,8,9-HxCDD	25.6		7.9		36.8		101	J	2.8	UJ		NA
1,2,3,7,8,9-HxCDF	0.70	U	0.30	U	0.60	U	3.6	UJ	0.80	UJ		NA
1,2,3,7,8-PeCDD	7.8	J	2.1	J	4.2	UJ	17.7	J	1.1	UJ		NA
1,2,3,7,8-PeCDF	9.5	EMPC	6.5	EMPC	0.83	EMPC	9.1	J	2.6	UJ		NA
1,2,4,5,7,8-hexachloro(9H)xanthene	16.72	J	1.47	J	147.44	J	601.96	J	0.00	U		NA
2,3,4,6,7,8-HxCDF	24.0		4.7	J	9.5		45.7	J	2.1	UJ		NA
2,3,4,7,8-PeCDF	14.2	J	2.8	U	3.0	U	18.3	J	3.0	UJ		NA
2,3,7,8-TCDD	55.0		96.6	EB	567	$	5350	J$	9.8	J		NA
2,3,7,8-TCDF	19.1		4.4		4.8		40.1	J	6.8	EMPC		NA
OCDD	2080	JEB	1530		4640	J$EB	15940	J$EB	494	JEB		NA
OCDF	156	J	87.0	EB	380		930	J	33.2	J		NA
Total HpCDD	595	J	406	J	1330	J	4390	J$	111	J		NA
Total HpCDF	215	J	99.4	J	408	J	1010	J	37.8	J		NA
Total HxCDD	207	J	66.3	J	209	J	702	J	25.9	EMPC		NA
Total HxCDF	339	J	69.4	J	171	J	928	J	28.4	UJ		NA
Total PeCDD	60.4	J	22.6	EMPC	20.7	J	81.3	J	11.1	J		NA
Total PeCDF	420	J	56.6	J	58.1	J	476	J	16.9	UJ		NA
Total TCDD	84.1	J	98.6	J	567	J$	5350	J$	18.8	J		NA
Total TCDF	223	J	36.2	J	40.4	J	434	J	68.7	EMPC		NA
Toxicity Equivalency	88.2		106		591		5450		13.4			NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-365-02		RES-SS-14-365-03		RES-SS-14-366-01		RES-SS-14-366-02		RES-SS-14-366-03		RES-SS-14-398-01	
Sample Location	RES-14-365-02		RES-14-365-03		RES-14-366-01		RES-14-366-02		RES-14-366-03		RES-14-398-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/15/99		11/15/99		11/15/99		11/15/99		11/15/99		11/15/99	
QC Identifier	None		None		None		None		None		None	
TAL Metal Analysis (MG/KG)					MALJ35						MALJ36	
Aluminum	NA		NA		3410		NA		NA		9140	
Antimony	NA		NA		1.8	UJ	NA		NA		3.1	UJ
Arsenic	NA		NA		2.7	J	NA		NA		7.5	
Barium	NA		NA		45.8		NA		NA		144	
Beryllium	NA		NA		0.38		NA		NA		0.50	U
Cadmium	NA		NA		0.49	J	NA		NA		0.50	U
Calcium	NA		NA		1620		NA		NA		2640	
Chromium	NA		NA		40.1	J	NA		NA		75.5	J
Cobalt	NA		NA		5.1		NA		NA		6.1	
Copper	NA		NA		41.7		NA		NA		103	
Iron	NA		NA		10000		NA		NA		21100	
Lead	NA		NA		109		NA		NA		890	
Magnesium	NA		NA		1290		NA		NA		2630	
Manganese	NA		NA		391		NA		NA		224	
Mercury	NA		NA		0.17	U	NA		NA		0.26	U
Nickel	NA		NA		8.5		NA		NA		26.2	
Potassium	NA		NA		417		NA		NA		726	
Selenium	NA		NA		1.7	U	NA		NA		2.9	J
Silver	NA		NA		0.47	J	NA		NA		1.1	J
Sodium	NA		NA		151		NA		NA		488	
Thallium	NA		NA		2.3	U	NA		NA		3.5	U
Vanadium	NA		NA		13.5		NA		NA		42.9	
Zinc	NA		NA		136		NA		NA		163	

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

Sample Number	RES-SS-14-399-01		RES-SS-14-399-02		RES-SS-14-419-01		RES-SS-14-420-01		RES-SS-14-421-01		RES-SS-14-422-01	
Sample Location	RES-14-399-01		RES-14-399-02		RES-14-419-01		RES-14-420-01		RES-14-421-01		RES-14-422-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/15/99		11/17/99		11/19/99		11/19/99		11/19/99		12/2/00	
QC Identifier	None		None		None		None		None		None	
Semivolatile Organic Analysis (UG/KG)	AQB85				AQC38		AQC39		AQC40		APK68	
1,1'-Biphenyl	6000	U	NA		6400	U	2100	U	370	U	590	U
2,2'-oxybis(1-Chloropropane)	6000	U	NA		6400	U	2100	U	370	U	590	U
2,4,5-Trichlorophenol	15000	U	NA		16000	U	5200	U	920	U	1500	U
2,4,6-Trichlorophenol	6000	U	NA		6400	U	2100	U	370	U	590	U
2,4-Dichlorophenol	6000	U	NA		6400	U	2100	U	370	U	590	U
2,4-Dimethylphenol	6000	U	NA		6400	U	2100	U	370	U	590	U
2,4-Dinitrophenol	15000	U	NA		16000	U	5200	U	920	U	1500	U
2,4-Dinitrotoluene	6000	U	NA		6400	U	2100	U	370	U	590	U
2,6-Dinitrotoluene	6000	U	NA		6400	U	2100	U	370	U	590	U
2-Chloronaphthalene	6000	U	NA		6400	U	2100	U	370	U	590	U
2-Chlorophenol	6000	U	NA		6400	U	2100	U	370	U	590	U
2-Methylnaphthalene	6000	U	NA		6400	U	2100	U	370	U	590	U
2-Methylphenol	6000	U	NA		6400	U	2100	U	370	U	590	U
2-Nitroaniline	15000	U	NA		16000	U	5200	U	920	U	1500	U
2-Nitrophenol	6000	U	NA		6400	U	2100	U	370	U	590	U
3,3'-Dichlorobenzidine	6000	U	NA		6400	U	2100	U	370	U	590	U
3-Nitroaniline	15000	U	NA		16000	U	5200	U	920	U	1500	U
4,6-Dinitro-2-methylphenol	15000	U	NA		16000	U	5200	U	920	U	1500	U
4-Bromophenyl-phenylether	6000	U	NA		6400	U	2100	U	370	U	590	U
4-Chloro-3-methylphenol	6000	U	NA		6400	U	2100	U	370	U	590	U
4-Chloroaniline	6000	U	NA		6400	U	2100	U	370	U	590	U
4-Chlorophenyl-phenylether	6000	U	NA		6400	U	2100	U	370	U	590	U
4-Methylphenol	6000	U	NA		6400	U	2100	U	370	U	590	U
4-Nitroaniline	15000	U	NA		16000	U	5200	U	920	U	1500	U
4-Nitrophenol	15000	U	NA		16000	U	5200	U	920	U	1500	U
Acenaphthene	6000	U	NA		6400	U	2100	U	370	U	590	U
Acenaphthylene	6000	U	NA		6400	U	2100	U	370	U	200	J
Acetophenone	6000	U	NA		6400	U	2100	U	370	U	590	U
Anthracene	620	J	NA		210	J	2100	U	370	U	120	J
Atrazine	6000	U	NA		6400	U	2100	U	370	U	590	U
Benzaldehyde	6000	U	NA		180	J	150	J	370	U	590	U
Benzo(a)anthracene	2500	J	NA		1300	J	2100	U	370	U	480	J
Benzo(a)pyrene	3000	J	NA		1300	J	2100	U	370	U	640	J

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

Sample Number	RES-SS-14-399-01		RES-SS-14-399-02		RES-SS-14-419-01		RES-SS-14-420-01		RES-SS-14-421-01		RES-SS-14-422-01	
Sample Location	RES-14-399-01		RES-14-399-02		RES-14-419-01		RES-14-420-01		RES-14-421-01		RES-14-422-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/15/99		11/17/99		11/19/99		11/19/99		11/19/99		12/2/99	
QC Identifier	None		None		None		None		None		None	
Benzo(b)fluoranthene	4000	J	NA		1500	J	2100	U	370	U	1900	J
Benzo(g,h,i)perylene	2600	J	NA		1300	J	2100	UJ	370	UJ	160	J
Benzo(k)fluoranthene	3700	J	NA		1600	J	2100	U	370	U	970	J
Bis(2-Chloroethoxy)methane	6000	U	NA		6400	U	2100	U	370	U	590	U
Bis(2-Chloroethyl)ether	6000	U	NA		6400	U	2100	U	370	U	590	U
bis(2-Ethylhexyl)phthalate	6000	U	NA		2200	J	2100	UJ	370	UJ	160	J
Butylbenzylphthalate	6000	U	NA		6400	UJ	2100	UJ	370	UJ	590	U
Caprolactam	6000	U	NA		6400	U	2100	U	370	U	590	U
Carbazole	6000	U	NA		6400	U	2100	U	370	U	77	J
Chrysene	3800	J	NA		2100	J	2100	U	370	U	830	
Di-n-Butylphthalate	6000	U	NA		6400	U	2100	U	37	J	590	U
Di-n-octylphthalate	6000	U	NA		6400	UJ	2100	UJ	370	UJ	590	UJ
Dibenzo(a,h)anthracene	950	J	NA		6400	U	2100	U	370	U	77	J
Dibenzofuran	6000	U	NA		6400	U	2100	U	370	U	590	U
Diethylphthalate	6000	U	NA		6400	U	2100	U	370	U	590	U
Dimethylphthalate	6000	U	NA		6400	U	2100	U	370	U	590	U
Fluoranthene	6500		NA		2000	J	2100	U	51	J	1000	
Fluorene	6000	U	NA		6400	U	2100	U	370	U	590	U
Hexachlorobenzene	6000	U	NA		6400	U	2100	U	370	U	590	U
Hexachlorobutadiene	6000	U	NA		6400	U	2100	U	370	U	590	U
Hexachlorocyclopentadiene	6000	U	NA		6400	UJ	2100	UJ	370	UJ	590	U
Hexachloroethane	6000	U	NA		6400	U	2100	U	370	U	590	U
Indeno(1,2,3-cd)pyrene	2600	J	NA		1200	J	2100	U	370	U	200	J
Isophorone	6000	U	NA		6400	U	2100	U	370	U	590	U
N-Nitroso-di-n-propylamine	6000	U	NA		6400	U	2100	UJ	370	U	590	U
N-Nitroso-diphenylamine	6000	U	NA		6400	U	2100	UJ	370	U	590	U
Naphthalene	6000	U	NA		6400	U	2100	U	370	U	590	U
Nitrobenzene	6000	U	NA		6400	U	2100	U	370	U	590	U
Pentachlorophenol	15000	U	NA		16000	UJ	5200	UJ	920	UJ	1500	U
Phenanthrene	3300	J	NA		1200	J	2100	U	370	U	660	
Phenol	6000	U	NA		6400	U	2100	U	370	U	590	U
Pyrene	6000	J	NA		2300	J	2100	UJ	55	J	1500	
Total PAH	4900		NA		1700		2100	U	370	U	990	

Summary of Sediment/Soil Analytical Results
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Sample Number	RES-SS-14-399-01		RES-SS-14-399-02		RES-SS-14-419-01		RES-SS-14-420-01		RES-SS-14-421-01		RES-SS-14-422-01	
Sample Location	RES-14-399-01		RES-14-399-02		RES-14-419-01		RES-14-420-01		RES-14-421-01		RES-14-422-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/15/99		11/17/99		11/19/99		11/19/99		11/19/99		12/2/99	
QC Identifier	None		None		None		None		None		None	
Pesticide/PCB Analysis (UG/KG)	AQB85				AQC38		AQC39		AQC40		APK68	
4,4'-DDD	5.7	U		NA	6.4	U	4.2	U	3.7	U	6.0	U
4,4'-DDE	5.7	U		NA	150	*	6.8		3.7	U	6.0	U
4,4'-DDT	7.2	J		NA	6.4	U	4.2	U	3.7	U	6.0	U
Aldrin	3.0	U		NA	3.3	U	2.2	U	1.9	U	3.1	U
alpha-BHC	3.0	U		NA	3.3	U	2.2	U	1.9	U	3.1	U
alpha-Chlordane	33			NA	12		2.2	U	1.9	U	3.1	U
Aroclor, Total	520			NA	4700		190		74	U	280	
Aroclor-1016	57	U		NA	64	U	42	U	37	U	60	U
Aroclor-1221	120	U		NA	130	U	85	U	74	U	120	U
Aroclor-1232	57	U		NA	64	U	42	U	37	U	60	U
Aroclor-1242	57	U		NA	64	U	42	U	37	U	60	U
Aroclor-1248	57	U		NA	64	U	42	U	37	U	60	U
Aroclor-1254	520			NA	4700	*	160		37	U	280	
Aroclor-1260	57	U		NA	64	U	30	J	37	U	60	U
beta-BHC	3.0	U		NA	3.3	U	2.2	U	1.9	U	3.1	U
delta-BHC	3.0	U		NA	3.3	U	2.2	U	1.9	U	3.1	U
Dieldrin	5.7	U		NA	6.4	U	4.2	U	3.7	U	6.0	U
Endosulfan I	3.0	U		NA	3.3	U	2.2	U	1.9	U	3.1	U
Endosulfan II	5.7	U		NA	410	*	4.2	U	3.7	U	6.0	U
Endosulfan Sulfate	5.7	U		NA	6.4	U	4.2	U	3.7	U	6.0	U
Endrin	5.7	U		NA	6.4	U	4.2	U	3.7	UJ	6.0	U
Endrin Aldehyde	5.7	U		NA	6.4	U	4.2	U	3.7	U	6.0	U
Endrin Ketone	5.7	U		NA	6.4	U	4.2	U	3.7	U	6.0	U
gamma-BHC	3.0	U		NA	3.3	U	2.2	U	1.9	UJ	3.1	U
gamma-Chlordane	34			NA	31		2.2	U	1.9	U	3.1	U
Heptachlor	3.0	U		NA	3.3	U	2.2	U	1.9	UJ	3.1	U
Heptachlor Epoxide	3.0	U		NA	3.3	U	2.2	U	1.9	U	3.1	U
Methoxychlor	30	U		NA	33	U	22	U	19	U	31	U
Toxaphene	300	U		NA	330	U	220	U	190	U	310	U

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

Sample Number	RES-SS-14-399-01		RES-SS-14-399-02		RES-SS-14-419-01	RES-SS-14-420-01	RES-SS-14-421-01	RES-SS-14-422-01	
Sample Location	RES-14-399-01		RES-14-399-02		RES-14-419-01	RES-14-420-01	RES-14-421-01	RES-14-422-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0	
Date Sampled	11/15/99		11/17/99		11/19/99	11/19/99	11/19/99	12/2/99	
QC Identifier	None		None		None	None	None	None	
Dioxin Analysis (NG/KG)	D01065		D01392					D01153	
1,2,3,4,6,7,8-HpCDD	1540		1380		NA	NA	NA	31.8	J
1,2,3,4,6,7,8-HpCDF	260		181		NA	NA	NA	21.7	J
1,2,3,4,7,8,9-HpCDF	23.7		13.6	EB	NA	NA	NA	0.68	EMPC
1,2,3,4,7,8-HxCDD	22.6		22.0	EB	NA	NA	NA	1.0	UJ
1,2,3,4,7,8-HxCDF	24.3		18.8		NA	NA	NA	2.4	UJ
1,2,3,6,7,8-HxCDD	88.3		80.4		NA	NA	NA	2.0	UJ
1,2,3,6,7,8-HxCDF	20.6		19.4		NA	NA	NA	1.7	UJ
1,2,3,7,8,9-HxCDD	59.7		60.3		NA	NA	NA	2.7	J
1,2,3,7,8,9-HxCDF	0.71	EMPC	1.4	EMPC	NA	NA	NA	0.20	UJ
1,2,3,7,8-PeCDD	11.3		10.4		NA	NA	NA	1.1	UJ
1,2,3,7,8-PeCDF	6.1		8.7	EB	NA	NA	NA	0.10	UJ
1,2,4,5,7,8-hexachloro(9H)xanthene	85.77	J	0.00	U	NA	NA	NA	8.65	J
2,3,4,6,7,8-HxCDF	39.7		33.5	EB	NA	NA	NA	2.3	J
2,3,4,7,8-PeCDF	8.8		7.5		NA	NA	NA	2.0	UJ
2,3,7,8-TCDD	446	J$	3.0	EB	NA	NA	NA	87.9	J
2,3,7,8-TCDF	13.3		6.9	J	NA	NA	NA	4.7	J
OCDD	9960	J$EB	3600	&	NA	NA	NA	126	J
OCDF	429		205	JEB	NA	NA	NA	11.2	J
Total HpCDD	2710	J	2410	J	NA	NA	NA	61.8	J
Total HpCDF	791	J	469	J	NA	NA	NA	35.2	J
Total HxCDD	455	J	410	J	NA	NA	NA	20.1	UJ
Total HxCDF	342	J	429	J	NA	NA	NA	33.9	J
Total PeCDD	61.3	J	48.4	EMPC	NA	NA	NA	10.0	EMPC
Total PeCDF	100	J	194	J	NA	NA	NA	36.1	J
Total TCDD	446	J$	12.2	EMPC	NA	NA	NA	95.0	J
Total TCDF	103	J	85.4	J	NA	NA	NA	56.4	J
Toxicity Equivalency	508		58.0		NA	NA	NA	90.8	

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

Sample Number	RES-SS-14-399-01		RES-SS-14-399-02		RES-SS-14-419-01		RES-SS-14-420-01		RES-SS-14-421-01		RES-SS-14-422-01	
Sample Location	RES-14-399-01		RES-14-399-02		RES-14-419-01		RES-14-420-01		RES-14-421-01		RES-14-422-01	
Interval	0 0-1 0		0 0-1.0		0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	11/15/99		11/17/99		11/19/99		11/19/99		11/19/99		12/2/99	
QC Identifier	None		None		None		None		None		None	
TAL Metal Analysis (MG/KG)	MALJ37				MALJ88		MALJ89		MALJ90		MAMA85	
Aluminum	7420				8460		6680		4250		10700	
Antimony	1.6	U			13.7	J	0.91	UJ	0.48	UJ	3.1	J
Arsenic	4.4				12.5		1.9		3.0		6.6	
Barium	93.5				131		39.3		25.8		99.2	
Beryllium	0.54				0.95		0.75		0.36		0.68	J
Cadmium	0.75				0.21	UJ	0.08	U	0.07	U	0.36	U
Calcium	4080				2510		1010	J	841	J	1260	
Chromium	50.7	J			308		13.7		5.4		54.6	
Cobalt	8.7				3.4		2.1		5.7		4.1	
Copper	70.9				171		13.8		8.2		78.3	
Iron	16200				17100		7500		7750		12200	
Lead	321				522		35.7		35.2		223	
Magnesium	2520				1580	J	886	J	1160	J	1750	
Manganese	349				176		144		152		108	
Mercury	0.16	U			0.96	J	0.06	J	0.05	J	0.39	
Nickel	41.0				22.0		5.9		4.9		13.8	
Potassium	768				573		879		527		435	
Selenium	1.6	U			2.2		0.58	J	0.41	U	1.8	UJ
Silver	1.4	J			1.3		0.35	U	0.23	U	0.92	UJ
Sodium	180				64.2	U	41.6	U	35.2	U	173	
Thallium	2.2	U			0.87	U	0.56	U	0.48	U	2.5	U
Vanadium	27.0				47.7		10.3		8.7		29.2	
Zinc	194				136		78.4		38.5		186	

Summary of Sediment/Soil Analytical Results
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Sample Number	RES-SS-14-422-02		RES-SS-14-424-01		RES-SS-14-424-02		RES-SS-14-425-01		RES-SS-14-425-02		RES-SS-14-425-03	
Sample Location	RES-14-422-02		RES-14-424-01		RES-14-424-02		RES-14-425-01		RES-14-425-02		RES-14-425-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	12/2/99		12/2/99		12/2/99		12/2/99		12/2/99		12/2/99	
QC Identifier	None		None		None		None		None		None	
Semivolatile Organic Analysis (UG/KG)			APK66				APK67					
1,1'-Biphenyl	NA	520	U		NA	960	U		NA		NA	
2,2'-oxybis(1-Chloropropane)	NA	520	U		NA	960	U		NA		NA	
2,4,5-Trichlorophenol	NA	1300	U		NA	2400	U		NA		NA	
2,4,6-Trichlorophenol	NA	520	U		NA	960	U		NA		NA	
2,4-Dichlorophenol	NA	520	U		NA	960	U		NA		NA	
2,4-Dimethylphenol	NA	520	U		NA	960	U		NA		NA	
2,4-Dinitrophenol	NA	1300	U		NA	2400	U		NA		NA	
2,4-Dinitrotoluene	NA	520	U		NA	960	U		NA		NA	
2,6-Dinitrotoluene	NA	520	U		NA	960	U		NA		NA	
2-Chloronaphthalene	NA	520	U		NA	960	U		NA		NA	
2-Chlorophenol	NA	520	U		NA	960	U		NA		NA	
2-Methylnaphthalene	NA	520	U		NA	960	U		NA		NA	
2-Methylphenol	NA	520	U		NA	960	U		NA		NA	
2-Nitroaniline	NA	1300	U		NA	2400	U		NA		NA	
2-Nitrophenol	NA	520	U		NA	960	U		NA		NA	
3,3'-Dichlorobenzidine	NA	520	U		NA	960	U		NA		NA	
3-Nitroaniline	NA	1300	U		NA	2400	U		NA		NA	
4,6-Dinitro-2-methylphenol	NA	1300	U		NA	2400	U		NA		NA	
4-Bromophenyl-phenylether	NA	520	U		NA	960	U		NA		NA	
4-Chloro-3-methylphenol	NA	520	U		NA	960	U		NA		NA	
4-Chloroaniline	NA	520	U		NA	960	U		NA		NA	
4-Chlorophenyl-phenylether	NA	520	U		NA	960	U		NA		NA	
4-Methylphenol	NA	520	U		NA	960	U		NA		NA	
4-Nitroaniline	NA	1300	U		NA	2400	U		NA		NA	
4-Nitrophenol	NA	1300	U		NA	2400	U		NA		NA	
Acenaphthene	NA	520	U		NA	960	U		NA		NA	
Acenaphthylene	NA	520	U		NA	170	J		NA		NA	
Acetophenone	NA	520	U		NA	960	U		NA		NA	
Anthracene	NA	520	U		NA	960	U		NA		NA	
Atrazine	NA	520	U		NA	960	U		NA		NA	
Benzaldehyde	NA	520	U		NA	960	U		NA		NA	
Benzo(a)anthracene	NA	520	U		NA	440	J		NA		NA	
Benzo(a)pyrene	NA	64	J		NA	720	J		NA		NA	

Summary of Sediment/Soil Analytical Results
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Sample Number	RES-SS-14-422-02			RES-SS-14-424-01			RES-SS-14-424-02			RES-SS-14-425-01			RES-SS-14-425-02			RES-SS-14-425-03		
Sample Location	RES-14-422-02			RES-14-424-01			RES-14-424-02			RES-14-425-01			RES-14-425-02			RES-14-425-03		
Interval	0.0-1.0			0.0-1.0			0.0-1.0			0.0-1.0			0.0-1.0			0.0-1.0		
Date Sampled	12/2/99			12/2/99			12/2/99			12/2/99			12/2/99			12/2/99		
QC Identifier	None			None			None			None			None			None		
Benzo(b)fluoranthene		NA		520	U		NA		1400	J		NA		NA				
Benzo(g,h,i)perylene		NA		520	U		NA		210	J		NA		NA				
Benzo(k)fluoranthene		NA		520	U		NA		1300	J		NA		NA				
Bis(2-Chloroethoxy)methane		NA		520	U		NA		960	U		NA		NA				
Bis(2-Chloroethyl)ether		NA		520	U		NA		960	U		NA		NA				
bis(2-Ethylhexyl)phthalate		NA		520	U		NA		810	J		NA		NA				
Butylbenzylphthalate		NA		520	U		NA		140	J		NA		NA				
Caprolactam		NA		520	U		NA		960	U		NA		NA				
Carbazole		NA		520	U		NA		960	U		NA		NA				
Chrysene		NA		72	J		NA		930	J		NA		NA				
Di-n-Butylphthalate		NA		520	U		NA		960	U		NA		NA				
Di-n-octylphthalate		NA		520	U		NA		960	UJ		NA		NA				
Dibenzo(a,h)anthracene		NA		520	U		NA		960	UJ		NA		NA				
Dibenzofuran		NA		520	U		NA		960	U		NA		NA				
Diethylphthalate		NA		520	U		NA		960	U		NA		NA				
Dimethylphthalate		NA		520	U		NA		960	U		NA		NA				
Fluoranthene		NA		64	J		NA		930	J		NA		NA				
Fluorene		NA		520	U		NA		960	U		NA		NA				
Hexachlorobenzene		NA		520	U		NA		960	U		NA		NA				
Hexachlorobutadiene		NA		520	U		NA		960	U		NA		NA				
Hexachlorocyclopentadiene		NA		520	U		NA		960	U		NA		NA				
Hexachloroethane		NA		520	U		NA		960	U		NA		NA				
Indeno(1,2,3-cd)pyrene		NA		520	U		NA		210	J		NA		NA				
Isophorone		NA		520	U		NA		960	U		NA		NA				
N-Nitroso-di-n-propylamine		NA		520	U		NA		960	U		NA		NA				
N-Nitroso-diphenylamine		NA		520	U		NA		960	U		NA		NA				
Naphthalene		NA		520	U		NA		960	U		NA		NA				
Nitrobenzene		NA		520	U		NA		960	U		NA		NA				
Pentachlorophenol		NA		1300	U		NA		2400	U		NA		NA				
Phenanthrene		NA		520	U		NA		360	J		NA		NA				
Phenol		NA		520	U		NA		960	U		NA		NA				
Pyrene		NA		90	J		NA		1300			NA		NA				
Total PAH		NA		64			NA		940			NA		NA				

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-422-02		RES-SS-14-424-01		RES-SS-14-424-02		RES-SS-14-425-01		RES-SS-14-425-02		RES-SS-14-425-03	
Sample Location	RES-14-422-02		RES-14-424-01		RES-14-424-02		RES-14-425-01		RES-14-425-02		RES-14-425-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	12/2/99		12/2/99		12/2/99		12/2/99		12/2/99		12/2/99	
QC Identifier	None		None		None		None		None		None	
Pesticide/PCB Analysis (UG/KG)			APK66				APK67					
4,4'-DDD	NA		5.4	U	NA		9.6	U	NA		NA	
4,4'-DDE	NA		5.4	U	NA		9.6	U	NA		NA	
4,4'-DDT	NA		5.4	U	NA		9.6	U	NA		NA	
Aldrin	NA		2.8	U	NA		4.9	U	NA		NA	
alpha-BHC	NA		2.8	U	NA		4.9	U	NA		NA	
alpha-Chlordane	NA		2.8	U	NA		4.9	U	NA		NA	
Aroclor, Total	NA		260		NA		570		NA		NA	
Aroclor-1016	NA		54	U	NA		96	U	NA		NA	
Aroclor-1221	NA		110	U	NA		190	U	NA		NA	
Aroclor-1232	NA		54	U	NA		96	U	NA		NA	
Aroclor-1242	NA		54	U	NA		96	U	NA		NA	
Aroclor-1248	NA		54	U	NA		96	U	NA		NA	
Aroclor-1254	NA		260		NA		570		NA		NA	
Aroclor-1260	NA		54	U	NA		96	U	NA		NA	
beta-BHC	NA		2.8	U	NA		4.9	U	NA		NA	
delta-BHC	NA		2.8	U	NA		4.9	U	NA		NA	
Dieldrin	NA		5.4	U	NA		9.6	U	NA		NA	
Endosulfan I	NA		2.8	U	NA		4.9	U	NA		NA	
Endosulfan II	NA		5.4	U	NA		9.6	U	NA		NA	
Endosulfan Sulfate	NA		5.4	U	NA		9.6	U	NA		NA	
Endrin	NA		5.4	U	NA		9.6	U	NA		NA	
Endrin Aldehyde	NA		5.4	U	NA		9.6	U	NA		NA	
Endrin Ketone	NA		5.4	U	NA		9.6	U	NA		NA	
gamma-BHC	NA		2.8	U	NA		4.9	U	NA		NA	
gamma-Chlordane	NA		2.8	U	NA		4.9	U	NA		NA	
Heptachlor	NA		2.8	U	NA		4.9	U	NA		NA	
Heptachlor Epoxide	NA		2.8	U	NA		4.9	U	NA		NA	
Methoxychlor	NA		28	U	NA		49	U	NA		NA	
Toxaphene	NA		280	U	NA		490	U	NA		NA	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-422-02		RES-SS-14-424-01		RES-SS-14-424-02		RES-SS-14-425-01		RES-SS-14-425-02		RES-SS-14-425-03	
Sample Location	RES-14-422-02		RES-14-424-01		RES-14-424-02		RES-14-425-01		RES-14-425-02		RES-14-425-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	12/2/99		12/2/99		12/2/99		12/2/99		12/2/99		12/2/99	
QC Identifier	None		None		None		None		None		None	
Dioxin Analysis (NG/KG)	D01156		D01147		D01149		D01150		D01151		D01152	
1,2,3,4,6,7,8-HpCDD	73.3	J	60.9	J	523	J	424	J	21.7	J	19.4	J
1,2,3,4,6,7,8-HpCDF	20.8	J	40.9		483	J	269		7.7		9.7	J
1,2,3,4,7,8,9-HpCDF	1.6	J	2.4	J	15.5	J	8.9		1.1	J	0.89	UJ
1,2,3,4,7,8-HxCDD	1.8	J	2.7	J	13.6	J	8.6		1.7	J	0.70	UJ
1,2,3,4,7,8-HxCDF	3.5	UJ	8.5		53.8	J	25.3		4.2	U	3.4	UJ
1,2,3,6,7,8-HxCDD	4.9	J	8.0		37.0	J	24.8		4.8	J	1.7	UJ
1,2,3,6,7,8-HxCDF	2.5	J	3.8	J	42.4	J	17.8		2.1	J	3.4	J
1,2,3,7,8,9-HxCDD	4.2	J	8.2		41.6	J	24.7		4.0	J	1.7	UJ
1,2,3,7,8,9-HxCDF	0.23	J	0.60	U	2.3	J	1.2	J	0.30	U	0.20	UJ
1,2,3,7,8-PeCDD	1.7	UJ	2.4	EMPC	19.2	J	8.6		2.0	J	0.65	UJ
1,2,3,7,8-PeCDF	0.10	UJ	3.6	J	0.40	UJ	11.4	EMPC	2.7	J	0.20	UJ
1,2,4,5,7,8-hexachloro(9H)xanthene	3.01	J	3.14	J	694	J	568	J	1.54	J	0.00	U
2,3,4,6,7,8-HxCDF	4.0	J	4.5	J	45.3	J	20.4		2.4	J	7.3	J
2,3,4,7,8-PeCDF	2.2	UJ	5.4		34.5	J	13.0		3.1	J	3.5	J
2,3,7,8-TCDD	20.4	J	31.4		1640	J$	1910	$	3.7		4.1	J
2,3,7,8-TCDF	4.1	UJ	10.6		85.5	J	24.8		4.9	U	3.8	UJ
OCDD	423	J	444	J	2300	J	2710	J	88.2	J	122	J
OCDF	30.5	J	25.3	J	281	J	209		10.2		9.0	J
Total HpCDD	120	J	174	J	1020	J	823	J	40.5	UJ	38.7	J
Total HpCDF	45.4	J	63.6	J	775	J	477	J	13.2	UJ	17.9	J
Total HxCDD	32.6	EMPC	77.4	J	364	J	221	J	40.5	UJ	17.4	UJ
Total HxCDF	50.0	J	53.3	J	765	J	372	J	20.0	EMPC	77.7	J
Total PeCDD	12.4	EMPC	44.7	EMPC	140	J	71.3	J	32.7	EMPC	11.5	EMPC
Total PeCDF	41.4	J	54.9	J	818	J	289	J	28.3	J	91.9	J
Total TCDD	25.1	J	51.6	J	1640	J$	1910	J$	14.3	J	8.9	EMPC
Total TCDF	39.0	J	57.0	J	1240	J	360	J	24.3	J	53.1	J
Toxicity Equivalency	24.9		42.4		1720		1950		9.7		8.1	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-422-02		RES-SS-14-424-01		RES-SS-14-424-02		RES-SS-14-425-01		RES-SS-14-425-02		RES-SS-14-425-03	
Sample Location	RES-14-422-02		RES-14-424-01		RES-14-424-02		RES-14-425-01		RES-14-425-02		RES-14-425-03	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	12/2/99		12/2/99		12/2/99		12/2/99		12/2/99		12/2/99	
QC Identifier	None		None		None		None		None		None	
TAL Metal Analysis (MG/KG)			MAMA83				MAMA84					
Aluminum		NA	16500			NA	19100			NA		NA
Antimony		NA	1.7	J		NA	3.4	J		NA		NA
Arsenic		NA	4.1			NA	8.0			NA		NA
Barium		NA	103			NA	213			NA		NA
Beryllium		NA	1.7			NA	2.4			NA		NA
Cadmium		NA	0.32	U		NA	0.59	U		NA		NA
Calcium		NA	1180			NA	3130			NA		NA
Chromium		NA	45.8			NA	129			NA		NA
Cobalt		NA	8.5			NA	11.2			NA		NA
Copper		NA	38.5			NA	112			NA		NA
Iron		NA	25900			NA	22500			NA		NA
Lead		NA	54.6			NA	212			NA		NA
Magnesium		NA	1610			NA	2920			NA		NA
Manganese		NA	359			NA	641			NA		NA
Mercury		NA	0.16	U		NA	0.47	J		NA		NA
Nickel		NA	14.6			NA	27.8			NA		NA
Potassium		NA	354			NA	859			NA		NA
Selenium		NA	1.6	UJ		NA	2.9	UJ		NA		NA
Silver		NA	0.64	UJ		NA	0.81	UJ		NA		NA
Sodium		NA	208			NA	392			NA		NA
Thallium		NA	2.2	U		NA	4.1	U		NA		NA
Vanadium		NA	35.7			NA	33.5			NA		NA
Zinc		NA	214			NA	319			NA		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-430-01		RES-SS-DU-111799D		RES-SS-14-430-01-MAX		RES-SS-14-448-01		RES-SS-14-449-01	
Sample Location	RES-14-430-01		RES-14-430-01		RES-14-430-01		RES-14-448-01		RES-14-449-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/15/99		12/2/99	
QC Identifier	Field Dup. RES-SS-14-430-01		Field Dup. RES-SS-14-430-01		Field Dup. RES-SS-14-430-01		None		None	
Semivolatile Organic Analysis (UG/KG)	AQC17		AQC16		AQC17		AQB86		APK83	
1,1'-Biphenyl	2900	U	560	U	2900	U		R		R
2,2'-oxybis(1-Chloropropane)	2900	U	560	U	2900	U		R		R
2,4,5-Trichlorophenol	7200	U	1400	U	7200	U		R		R
2,4,6-Trichlorophenol	2900	U	560	U	2900	U		R		R
2,4-Dichlorophenol	2900	U	560	U	2900	U		R		R
2,4-Dimethylphenol	2900	U	560	U	2900	U		R		R
2,4-Dinitrophenol	7200	U	1400	U	7200	U		R		R
2,4-Dinitrotoluene	2900	U	560	U	2900	U		R		R
2,6-Dinitrotoluene	2900	U	560	U	2900	U		R		R
2-Chloronaphthalene	2900	U	560	U	2900	U		R		R
2-Chlorophenol	2900	U	560	U	2900	U		R		R
2-Methylnaphthalene	2900	U	560	U	2900	U		R		R
2-Methylphenol	2900	U	560	U	2900	U		R		R
2-Nitroaniline	7200	U	1400	U	7200	U		R		R
2-Nitrophenol	2900	U	560	U	2900	U		R		R
3,3'-Dichlorobenzidine	2900	U	560	U	2900	U		R		R
3-Nitroaniline	7200	U	1400	U	7200	U		R		R
4,6-Dinitro-2-methylphenol	7200	U	1400	U	7200	U		R		R
4-Bromophenyl-phenylether	2900	U	560	U	2900	U		R		R
4-Chloro-3-methylphenol	2900	U	560	U	2900	U		R		R
4-Chloroaniline	2900	U	560	U	2900	U		R		R
4-Chlorophenyl-phenylether	2900	U	560	U	2900	U		R		R
4-Methylphenol	2900	U	560	U	2900	U		R		R
4-Nitroaniline	7200	U	1400	U	7200	U		R		R
4-Nitrophenol	7200	U	1400	U	7200	U		R		R
Acenaphthene	2900	U	560	U	2900	U		R		R
Acenaphthylene	2900	U	560	U	2900	U		R	430	J
Acetophenone	2900	U	560	U	2900	U		R		R
Anthracene	2900	U	63	J	2900	U		R	230	J
Atrazine	2900	U	560	U	2900	U		R		R
Benzaldehyde	2900	U	92	J	2900	U		R		R
Benzo(a)anthracene	860	J	460	J	860		1200	J	1000	J
Benzo(a)pyrene	860	J	530	J	860		1700	J	1500	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-430-01		RES-SS-DU-111799D		RES-SS-14-430-01-MAX		RES-SS-14-448-01		RES-SS-14-449-01	
Sample Location	RES-14-430-01		RES-14-430-01		RES-14-430-01		RES-14-448-01		RES-14-449-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/15/99		12/2/99	
QC Identifier	Field Dup. RES-SS-14-430-01		Field Dup. RES-SS-14-430-01		Field Dup. RES-SS-14-430-01		None		None	
Benzo(b)fluoranthene	1800	J	1100	J	1800		2300	J	1900	J
Benzo(g,h,i)perylene	2900	U	230	J	2900	U	1800	J	1300	J
Benzo(k)fluoranthene	1800	J	870	J	1800		2400	J	2700	J
Bis(2-Chloroethoxy)methane	2900	U	560	U	2900	U		R		R
Bis(2-Chloroethyl)ether	2900	U	560	U	2900	U		R		R
bis(2-Ethylhexyl)phthalate	2900	U	580	U	2900	U	13000	UJ	1600	J
Butylbenzylphthalate	2900	U	560	U	2900	U		R	510	J
Caprolactam	2900	U	560	U	2900	U		R		R
Carbazole	2900	U	58	J	2900	U		R	140	J
Chrysene	1400	J	840	J	1400		2300	J	2200	J
Di-n-Butylphthalate	2900	U	560	U	2900	U		R		R
Di-n-octylphthalate	2900	U	560	U	2900	U		R		R
Dibenzo(a,h)anthracene	2900	U	560	U	2900	U		R	530	J
Dibenzofuran	2900	U	560	U	2900	U		R		R
Diethylphthalate	2900	U	560	U	2900	U		R		R
Dimethylphthalate	2900	U	560	U	2900	U		R		R
Fluoranthene	2000	J	1000	J	2000		2900	J	1200	J
Fluorene	2900	U	560	U	2900	U		R		R
Hexachlorobenzene	2900	U	560	U	2900	U		R		R
Hexachlorobutadiene	2900	U	560	U	2900	U		R		R
Hexachlorocyclopentadiene	2900	U	560	U	2900	U		R		R
Hexachloroethane	2900	U	560	U	2900	U		R		R
Indeno(1,2,3-cd)pyrene	2900	U	260	J	2900	U	1500	J	1300	J
Isophorone	2900	U	560	U	2900	U		R		R
N-Nitroso-di-n-propylamine	2900	U	560	U	2900	U		R		R
N-Nitroso-diphenylamine	2900	U	560	U	2900	U		R		R
Naphthalene	2900	U	560	U	2900	U		R		R
Nitrobenzene	2900	U	560	U	2900	U		R		R
Pentachlorophenol	7200	U	1400	U	7200	U		R		R
Phenanthrene	830	J	410	J	830			R	1100	J
Phenol	2000	U	560	U	2900	U		R		R
Pyrene	1500	J	830	J	1500		3200	J	3200	J
Total PAH	1100		720		1100		2200		2600	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-430-01		RES-SS-DU-111799D		RES-SS-14-430-01-MAX		RES-SS-14-448-01		RES-SS-14-449-01	
Sample Location	RES-14-430-01		RES-14-430-01		RES-14-430-01		RES-14-448-01		RES-14-449-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/15/99		12/2/99	
QC Identifier	Field Dup. RES-SS-14-430-01		Field Dup. RES-SS-14-430-01		Field Dup. RES-SS-14-430-01		None		None	
Pesticide/PCB Analysis (UG/KG)	AQC17		AQC16		AQC16		AQB86		APK03	
4,4'-DDD	6.0		6.0		6.0			R		R
4,4'-DDE	17		13		17		160	J		R
4,4'-DDT	11		6.8		11			R		R
Aldrin	3.0	U	2.9	U	3.0	U		R		R
alpha-BHC	3.0	U	2.9	U	3.0	U		R		R
alpha-Chlordane	22		24		24		20	J		R
Aroclor, Total	360		320		360		4600		2400	
Aroclor-1016	58	U	57	U	58	U		R		R
Aroclor-1221	120	U	120	U	120	U		R		R
Aroclor-1232	58	U	57	U	58	U		R		R
Aroclor-1242	58	U	57	U	58	U		R		R
Aroclor-1248	58	U	57	U	58	U		R		R
Aroclor-1254	360		320		360		4600	*J	2400	J
Aroclor-1260	58	U	57	U	58	U		R		R
beta-BHC	3.0	U	2.9	U	3.0	U		R		R
delta-BHC	3.0	U	2.9	U	3.0	U		R		R
Dieldrin	5.8	U	5.7	U	5.8	U		R		R
Endosulfan I	3.0	U	2.9	U	3.0	U		R		R
Endosulfan II	25		20		25		420	*		R
Endosulfan Sulfate	5.8	U	5.7	U	5.8	U		R		R
Endrin	5.8	U	5.7	U	5.8	U		R		R
Endrin Aldehyde	5.8	U	5.7	U	5.8	U		R		R
Endrin Ketone	5.8	U	5.7	U	5.8	U		R		R
gamma-BHC	3.0	U	2.9	U	3.0	U		R		R
gamma-Chlordane	25		27		27		38	J		R
Heptachlor	3.0	U	2.9	U	3.0	U		R		R
Heptachlor Epoxide	3.0	U	2.9	U	3.0	U		R		R
Methoxychlor	30	U	29	U	30	U		R		R
Toxaphene	300	U	290	U	300	U		R		R

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-430-01		RES-SS-DU-111799D		RES-SS-14-430-01-MAX		RES-SS-14-448-01			RES-SS-14-449-01		
Sample Location	RES-14-430-01		RES-14-430-01		RES-14-430-01		RES-14-448-01			RES-14-449-01		
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0			0.0-1.0		
Date Sampled	11/17/99		11/17/99		11/17/99		11/15/99			12/2/99		
QC Identifier	Field Dup. RES-SS-14-430-01		Field Dup. RES-SS-14-430-01		Field Dup. RES-SS-14-430-01		None			None		
Dioxin Analysis (NG/KG)							D01066			D01138		
1,2,3,4,6,7,8-HpCDD			NA		NA		NA	1640	J	674	J	
1,2,3,4,6,7,8-HpCDF			NA		NA		NA	671	J	684	J	
1,2,3,4,7,8,9-HpCDF			NA		NA		NA	30.5	J	27.8	J	
1,2,3,4,7,8-HxCDD			NA		NA		NA	30.4	J	14.2	J	
1,2,3,4,7,8-HxCDF			NA		NA		NA	67.3	J	55.5	J	
1,2,3,6,7,8-HxCDD			NA		NA		NA	87.1	J	41.5	J	
1,2,3,6,7,8-HxCDF			NA		NA		NA	51.7	J	47.1	J	
1,2,3,7,8,9-HxCDD			NA		NA		NA	82.3	J	45.9	J	
1,2,3,7,8,9-HxCDF			NA		NA		NA	1.7	EMPC	3.8	EMPC	
1,2,3,7,8-PeCDD			NA		NA		NA	38.0	J	15.9	J	
1,2,3,7,8-PeCDF			NA		NA		NA	17.1	J	0.70	UJ	
1,2,4,5,7,8-hexachloro(9H)xanthene			NA		NA		NA	1744.68	J	678	J	
2,3,4,6,7,8-HxCDF			NA		NA		NA	60.1	J	52.8	J	
2,3,4,7,8-PeCDF			NA		NA		NA	41.2	J	28.2	J	
2,3,7,8-TCDD			NA		NA		NA	10530	J$	2880	J$	
2,3,7,8-TCDF			NA		NA		NA	111	J	92.4	J	
OCDD			NA		NA		NA	9850	J$EB	3390	J$	
OCDF			NA		NA		NA	634	J	448	J	
Total HpCDD			NA		NA		NA	3130	J	1300	J	
Total HpCDF			NA		NA		NA	1340	J	1290	J	
Total HxCDD			NA		NA		NA	740	J	392	J	
Total HxCDF			NA		NA		NA	1080	J	865	J	
Total PeCDD			NA		NA		NA	264	J	130	J	
Total PeCDF			NA		NA		NA	904	J	645	J	
Total TCDD			NA		NA		NA	10800	J$	2880	J$	
Total TCDF			NA		NA		NA	1760	J	934	J	
Toxicity Equivalency			NA		NA		NA	10700		2960		

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-430-01		RES-SS-DU-111799D		RES-SS-14-430-01-MAX		RES-SS-14-448-01		RES-SS-14-449-01	
Sample Location	RES-14-430-01		RES-14-430-01		RES-14-430-01		RES-14-448-01		RES-14-449-01	
Interval	0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0		0.0-1.0	
Date Sampled	11/17/99		11/17/99		11/17/99		11/15/99		12/2/99	
QC Identifier	Field Dup. RES-SS-14-430-01		Field Dup. RES-SS-14-430-01		Field Dup. RES-SS-14-430-01		None		None	
TAL Metal Analysis (MG/KG)	MALJ68		MALJ67		MALJ67		MALJ38		MAMA80	
Aluminum	7220		6740		7220		16800	J	15100	J
Antimony	2.3	J	1.5	U	1.5	U	7.2	J	12.3	J
Arsenic	3.2	J	2.8	J	3.2		10.9	J	14.7	J
Barium	94.9		92.4		94.9		265	J	320	J
Beryllium	0.74	U	0.70	U	0.74	U	2.9	J	1.7	J
Cadmium	0.44	J	0.31	U	0.31	U	5.2	J	1.3	J
Calcium	2370		2210		2370		2010	J	1770	J
Chromium	53.5		52.8		53.5		343	J	536	J
Cobalt	4.9		4.3		4.9		9.3	J	10.3	J
Copper	66.1		63.2		66.1		380	J	419	J
Iron	11200		10500		11200		26000	J	27400	J
Lead	168		160		168		702	J	706	J
Magnesium	2080		1910		2080		3320	J	2970	J
Manganese	213		187		213		214	J	325	J
Mercury	0.29	J	0.33		0.33			R	2.2	J
Nickel	23.1		18.9		23.1		64.6	J	41.8	J
Potassium	567		495		567		880	J	1030	J
Selenium	1.7	U	1.5	U	1.7	U		R	3.8	J
Silver	0.79	U	0.81	U	0.81	U	3.5	J	6.4	J
Sodium	208		179		208		382	J	417	J
Thallium	2.4	UJ	2.2	UJ	2.4	U		R		R
Vanadium	17.5		15.9		17.5		53.6	J	54.1	J
Zinc	175		168		175		826	J	340	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-449-02	RES-SS-14-449-03	RES-SS-DU-120299B	RES-SS-14-449-03-MAX
Sample Location	RES-14-449-02	RES-14-449-03	RES-14-449-03	RES-14-449-03
Interval	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
Date Sampled	12/2/99	12/2/99	12/2/99	12/2/99
QC Identifier	None	Field Dup. RES-SS-14-449-03	Field Dup. RES-SS-14-449-03	Field Dup. RES-SS-14-449-03
Semivolatile Organic Analysis (UG/KG)				
1,1'-Biphenyl	NA	NA	NA	NA
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	NA
4-Chloro-3-methylphenol	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA
4-Chlorophenyl-phenylether	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	NA
Acetophenone	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA
Atrazine	NA	NA	NA	NA
Benzaldehyde	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-449-02	RES-SS-14-449-03	RES-SS-DU-120299B	RES-SS-14-449-03-MAX
Sample Location	RES-14-449-02	RES-14-449-03	RES-14-449-03	RES-14-449-03
Interval	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
Date Sampled	12/2/99	12/2/99	12/2/99	12/2/99
QC Identifier	None	Field Dup. RES-SS-14-449-03	Field Dup. RES-SS-14-449-03	Field Dup. RES-SS-14-449-03
Benzo(b)fluoranthene	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	NA	NA	NA	NA
Bis(2-Chloroethyl)ether	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA
Butylbenzylphthalate	NA	NA	NA	NA
Caprolactam	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA
Di-n-Butylphthalate	NA	NA	NA	NA
Di-n-octylphthalate	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA
Diethylphthalate	NA	NA	NA	NA
Dimethylphthalate	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	NA	NA	NA	NA
N-Nitroso-diphenylamine	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA
Phenol	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA
Total PAH	NA	NA	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-449-02	RES-SS-14-449-03	RES-SS-DU-120299B	RES-SS-14-449-03-MAX
Sample Location	RES-14-449-02	RES-14-449-03	RES-14-449-03	RES-14-449-03
Interval	0 0-1 0	0 0-1 0	0 0-1 0	0.0-1 0
Date Sampled	12/2/99	12/2/99	12/2/99	12/2/99
QC Identifier	None	Field Dup. RES-SS-14-449-03	Field Dup. RES-SS-14-449-03	Field Dup. RES-SS-14-449-03
Pesticide/PCB Analysis (UG/KG)				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA
alpha-BHC	NA	NA	NA	NA
alpha-Chlordane	NA	NA	NA	NA
Aroclor, Total	NA	NA	NA	NA
Aroclor-1016	NA	NA	NA	NA
Aroclor-1221	NA	NA	NA	NA
Aroclor-1232	NA	NA	NA	NA
Aroclor-1242	NA	NA	NA	NA
Aroclor-1248	NA	NA	NA	NA
Aroclor-1254	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA
beta-BHC	NA	NA	NA	NA
delta-BHC	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA
Endrin	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA
gamma-BHC	NA	NA	NA	NA
gamma-Chlordane	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-449-02		RES-SS-14-449-03		RES-SS-DU-120299B		RES-SS-14-449-03-MAX	
Sample Location	RES-14-449-02		RES-14-449-03		RES-14-449-03		RES-14-449-03	
Interval	0 0-1 0		0 0-1 0		0 0-1 0		0 0-1 0	
Date Sampled	12/2/99		12/2/99		12/2/99		12/2/99	
QC Identifier	None		Field Dup RES-SS-14-449-03		Field Dup RES-SS-14-449-03		Field Dup RES-SS-14-449-03	
Dioxin Analysis (NG/KG)	D01139		D01140		D01137		D01140	
1,2,3,4,6,7,8-HpCDD	1530	J	5300	J$	3920	J$	5300	
1,2,3,4,6,7,8-HpCDF	523	J	521		484	J	521	
1,2,3,4,7,8,9-HpCDF	29.3	J	45 5		40 4	J	45 5	
1,2,3,4,7,8-HxCDD	36.3	J	123		113	J	123	
1,2,3,4,7,8-HxCDF	73.6	J	117		125	J	117	
1,2,3,6,7,8-HxCDD	86.4	J	262		249	J	262	
1,2,3,6,7,8-HxCDF	54.2	J	60.3		63.8	J	60.3	
1,2,3,7,8,9-HxCDD	105	J	337		323	J	337	
1,2,3,7,8,9-HxCDF	3.4	J	5.2		5.3	J	5.2	
1,2,3,7,8-PeCDD	32.2	J	169	J	181	J	181	
1,2,3,7,8-PeCDF	38.1	EMPC	29.4	J	30.3	J	30.3	
1,2,4,5,7,8-hexachloro(9H)xanthene	922	J	4020	J	5150	J	5150	
2,3,4,6,7,8-HxCDF	51.5	J	90.8		93.0	J	90.8	
2,3,4,7,8-PeCDF	40.8	J	97.8		88.5	J	97.8	
2,3,7,8-TCDD	6670	J$	57310	J$	33690	J$	57310	
2,3,7,8-TCDF	110	J	300		338	J	300	
OCDD	7260	J$	25020	J$	19560	J$	25020	
OCDF	356	J	433	J	424	J	433	
Total HpCDD	2830	J	9750	J$	7220	J$	9750	
Total HpCDF	975	J	1350	J	1260	J	1350	
Total HxCDD	751	J	2280	J	2290	J	2290	
Total HxCDF	959	J	1630	J	1730	J	1730	
Total PeCDD	218	J	926	J	1090	J	1090	
Total PeCDF	809	J	2840	J	2690	J	2840	
Total TCDD	6670	J$	59560	J$	33820	J$	59560	
Total TCDF	1790	J	6810	J$	4200	J$	6810	
Toxicity Equivalency	6800		57700		34100		57700	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RES-SS-14-449-02	RES-SS-14-449-03	RES-SS-DU-120299B	RES-SS-14-449-03-MAX
Sample Location	RES-14-449-02	RES-14-449-03	RES-14-449-03	RES-14-449-03
Interval	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
Date Sampled	12/2/99	12/2/99	12/2/99	12/2/99
QC Identifier	None	Field Dup. RES-SS-14-449-03	Field Dup. RES-SS-14-449-03	Field Dup. RES-SS-14-449-03
TAL Metal Analysis (MG/KG)				
Aluminum	NA	NA	NA	NA
Antimony	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA
Barium	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA
Calcium	NA	NA	NA	NA
Chromium	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA
Copper	NA	NA	NA	NA
Iron	NA	NA	NA	NA
Lead	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA
Manganese	NA	NA	NA	NA
Mercury	NA	NA	NA	NA
Nickel	NA	NA	NA	NA
Potassium	NA	NA	NA	NA
Selenium	NA	NA	NA	NA
Silver	NA	NA	NA	NA
Sodium	NA	NA	NA	NA
Thallium	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA
Zinc	NA	NA	NA	NA

APPENDIX B

BANK SEDIMENT RESULTS

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-BK-2003X-01		APB-DU-102199B		APB-BK-2003X-01-MAX		APB-BK-2003Y-01		APB-BK-2003Z-01	
Sample Location	APB-BK-2003		APB-BK-2003		APB-BK-2003		APB-BK-2003		APB-BK-2003	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	Field Dup. APB-BK-2003X-01		Field Dup. APB-BK-2003X-01		Field Dup. APB-BK-2003X-01		None		None	
Semivolatile Organic Analysis (UG/KG)	D00861		D00870		D00870		D00862		D00863	
1,2,4-Trichlorobenzene	390	U	390	U	390	U	1900	U	3800	U
1,2-Dichlorobenzene	390	U	390	U	390	U	1900	U	3800	U
1,3-Dichlorobenzene	390	U	390	U	390	U	1900	U	3800	U
1,4-Dichlorobenzene	390	U	390	U	390	U	1900	U	3800	U
2,2'-oxybis(1-Chloropropane)	390	UJ	390	UJ	390	U	1900	UJ	3800	UJ
2,4,5-Trichlorophenol	970	U	970	U	970	U	4700	U	9500	U
2,4,6-Trichlorophenol	390	U	390	U	390	U	1900	U	3800	U
2,4-Dichlorophenol	390	U	390	U	390	U	1900	U	3800	U
2,4-Dimethylphenol	390	U	390	U	390	U	1900	U	3800	U
2,4-Dinitrophenol		R	970	U	970	U		R		R
2,4-Dinitrotoluene	390	U	390	U	390	U	1900	U	3800	U
2,6-Dinitrotoluene	390	U	390	U	390	U	1900	U	3800	U
2-Chloronaphthalene	390	U	390	U	390	U	1900	U	3800	U
2-Chlorophenol	390	U	390	U	390	U	1900	U	3800	U
2-Methylnaphthalene	390	U	390	U	390	U	1900	U	3800	U
2-Methylphenol	390	U	390	U	390	U	1900	U	3800	U
2-Nitroaniline	970	U	970	U	970	U	4700	U	9500	U
2-Nitrophenol	390	U	390	U	390	U	1900	U	3800	U
3,3'-Dichlorobenzidine	390	U	390	U	390	U	1900	U	3800	U
3-Nitroaniline	970	U	970	U	970	U	4700	U	9500	U
4,6-Dinitro-2-methylphenol	970	UJ	970	U	970	U	4700	UJ	9500	UJ
4-Bromophenyl-phenylether	390	U	390	U	390	U	1900	U	3800	U
4-Chloro-3-methylphenol	390	U	390	U	390	U	1900	U	3800	U
4-Chloroaniline	390	U	390	U	390	U	1900	U	3800	U
4-Chlorophenyl-phenylether	390	U	390	U	390	U	1900	U	3800	U
4-Methylphenol	390	U	390	U	390	U	1900	U	3800	U
4-Nitroaniline	970	U	970	U	970	U	4700	U	9500	U
4-Nitrophenol	970	UJ	970	UJ	970	U	4700	UJ	9500	UJ
Acenaphthene	390	U	390	U	390	U	1900	U	530	J
Acenaphthylene	390	U	390	U	390	U	1900	U	3800	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-BK-2003X-01		APB-DU-102199B		APB-BK-2003X-01-MAX		APB-BK-2003Y-01		APB-BK-2003Z-01	
Sample Location	APB-BK-2003		APB-BK-2003		APB-BK-2003		APB-BK-2003		APB-BK-2003	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	Field Dup. APB-BK-2003X-01		Field Dup. APB-BK-2003X-01		Field Dup. APB-BK-2003X-01		None		None	
Anthracene	390	U	390	U	390	U	210	J	1400	J
Benzo(a)anthracene	160	J	130	J	160		500	J	3800	
Benzo(a)pyrene	150	J	130	J	150		400	J	3400	J
Benzo(b)fluoranthene	180	J	140	J	180		430	J	3600	J
Benzo(g,h,i)perylene	120	J	92	J	120		250	J	2100	J
Benzo(k)fluoranthene	120	J	98	J	120		370	J	2400	J
Bis(2-Chloroethoxy)methane	390	U	390	U	390	U	1900	U	3800	U
Bis(2-Chloroethyl)ether	390	U	390	U	390	U	1900	U	3800	U
bis(2-Ethylhexyl)phthalate	57	J	96	J	96		1900	U	3800	U
Butylbenzylphthalate	390	U	390	U	390	U	1900	U	3800	U
Carbazole	390	U	390	U	390	U	1900	U	790	J
Chrysene	190	J	160	J	190		510	J	4100	
Di-n-Butylphthalate	43	J	390	U	390	U	1900	U	3800	U
Di-n-octylphthalate	390	U	390	U	390	U	1900	U	3800	U
Dibenzo(a,h)anthracene	54	J	44	J	54		1900	U	960	J
Dibenzofuran	390	U	390	U	390	U	1900	U	3800	U
Diethylphthalate	390	U	390	U	390	U	1900	U	3800	U
Dimethylphthalate	390	U	390	U	390	U	1900	U	3800	U
Fluoranthene	380	J	310	J	380		1200	J	9500	
Fluorene	390	U	390	U	390	U	1900	U	560	J
Hexachlorobenzene	390	U	390	U	390	U	1900	U	3800	U
Hexachlorobutadiene	390	U	390	U	390	U	1900	U	3800	U
Hexachlorocyclopentadiene	390	UJ	390	U	390	U	1900	UJ	3800	UJ
Hexachloroethane	390	U	390	U	390	U	1900	U	3800	U
Indeno(1,2,3-cd)pyrene	130	J	120	J	130		310	J	2200	J
Isophorone	390	U	390	U	390	U	1900	U	3800	U
N-Nitroso-di-n-propylamine	390	U	390	U	390	U	1900	U	3800	U
N-Nitroso-diphenylamine	390	U	390	U	390	U	1900	U	3800	U
Naphthalene	390	U	390	U	390	U	1900	U	3800	U
Nitrobenzene	390	U	390	U	390	U	1900	U	3800	U
Pentachlorophenol	970	U	970	U	970	U	4700	U	9500	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-BK-2003X-01		APB-DU-102199B		APB-BK-2003X-01-MAX		APB-BK-2003Y-01		APB-BK-2003Z-01	
Sample Location	APB-BK-2003		APB-BK-2003		APB-BK-2003		APB-BK-2003		APB-BK-2003	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	Field Dup. APB-BK-2003X-01		Field Dup. APB-BK-2003X-01		Field Dup. APB-BK-2003X-01		None		None	
Phenanthrene	220	J	190	J	220		890	J	7000	
Phenol	390	UJ	390	U	390	U	1900	UJ	3800	UJ
Pyrene	320	J	260	J	320		1000	J	8100	
Total PAH	250		210		250		530		5300	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-BK-2003X-01		APB-DU-102199B		APB-BK-2003X-01-MAX		APB-BK-2003Y-01		APB-BK-2003Z-01	
Sample Location	APB-BK-2003		APB-BK-2003		APB-BK-2003		APB-BK-2003		APB-BK-2003	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	Field Dup. APB-BK-2003X-01		Field Dup. APB-BK-2003X-01		Field Dup. APB-BK-2003X-01		None		None	
Pesticide/PCB Analysis (UG/KG)	D00861		D00870		D00870		D00862		D00863	
4,4'-DDD	3.9	U	3.9	U	3.9	U	3.7	U	3.8	U
4,4'-DDE	3.9	U	3.9	U	3.9	U	3.7	U	3.8	U
4,4'-DDT	3.9	U	3.9	U	3.9	U	5.1	P	3.8	U
Aldrin	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U
alpha-BHC	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U
alpha-Chlordane	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U
Aroclor, Total	23		45		79		50		77	U
Aroclor-1016	39	U	39	U	39	U	37	U	38	U
Aroclor-1221	78	U	79	U	79	U	75	U	77	U
Aroclor-1232	39	U	39	U	39	U	37	U	38	U
Aroclor-1242	39	U	39	U	39	U	37	U	38	U
Aroclor-1248	39	U	39	U	39	U	37	U	38	U
Aroclor-1254	23	JP	45		45		50	P	38	U
Aroclor-1260	39	U	39	U	39	U	37	U	38	U
beta-BHC	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U
delta-BHC	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U
Dieldrin	3.9	U	3.9	U	3.9	U	13		3.8	U
Endosulfan I	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U
Endosulfan II	3.9	U	4.0		4.0		3.7	U	3.8	U
Endosulfan Sulfate	3.9	U	3.9	U	3.9	U	3.7	U	3.8	U
Endrin	3.9	U	3.9	U	3.9	U	3.7	U	3.8	U
Endrin Aldehyde	3.9	U	3.9	U	3.9	U	3.7	U	3.8	U
Endrin Ketone	3.9	U	3.9	U	3.9	U	3.7	U	3.8	U
gamma-BHC	2.0	U	2.0	UJ	2.0	U	1.9	U	2.0	U
gamma-Chlordane	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U
Heptachlor	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U
Heptachlor Epoxide	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U
Methoxychlor	20	U	20	U	20	U	19	U	20	U
Toxaphene	200	U	200	U	200	U	190	U	200	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-BK-2003X-01		APB-DU-102199B		APB-BK-2003X-01-MAX		APB-BK-2003Y-01		APB-BK-2003Z-01	
Sample Location	APB-BK-2003		APB-BK-2003		APB-BK-2003		APB-BK-2003		APB-BK-2003	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	Field Dup. APB-BK-2003X-01		Field Dup. APB-BK-2003X-01		Field Dup. APB-BK-2003X-01		None		None	
Dioxin Analysis (NG/KG)	D00861		D00870		D00870		D00862		D00863	
1,2,3,4,6,7,8-HpCDD	21.7		19.6		21.7		38.9		4.0	U
1,2,3,4,6,7,8-HpCDF	7.2		6.3		7.2		12.0		3.8	U
1,2,3,4,7,8,9-HpCDF	0.46	J	0.50	U	0.50	U	0.53	J	0.30	U
1,2,3,4,7,8-HxCDD	0.63	J	0.40	U	0.40	U	0.92	J	0.20	U
1,2,3,4,7,8-HxCDF	1.4	U	0.85	U	1.4	U	1.8	U	1.9	U
1,2,3,6,7,8-HxCDD	1.5	U	0.89	U	1.5	U	3.0	J	0.67	U
1,2,3,6,7,8-HxCDF	0.91	U	0.67	UJ	0.91	U	1.1	U	0.98	U
1,2,3,7,8,9-HxCDD	1.7	J	1.2	U	1.2	U	3.5	J	0.90	J
1,2,3,7,8,9-HxCDF	0.20	U	0.30	U	0.30	U	0.30	U	0.20	U
1,2,3,7,8-PeCDD	0.84	J	0.41	EMPC	0.84		1.1	J	0.55	J
1,2,3,7,8-PeCDF	1.4	EMPC	0.71	U	0.71	U	2.7	EMPC	0.89	U
1,2,4,5,7,8-hexachloro(9H)xanthene	1.49	J	2.84	J	2.84		2.14	J	0.00	U
2,3,4,6,7,8-HxCDF	1.2	U	0.86	U	1.2	U	1.7	J	1.4	J
2,3,4,7,8-PeCDF	1.1	U	0.00	U	1.1	U	1.8	U	1.7	EMPC
2,3,7,8-TCDD	118		117		118		173		0.88	J
2,3,7,8-TCDF	1.9	U	1.1	U	1.9	U	3.1	U	2.1	U
OCDD	238		336	EB	238		256		32.9	
OCDF	6.9	U	7.4	EB	6.9	U	13.4		2.4	U
Total HpCDD	40.4	J	36.8	J	40.4		73.1	J	8.4	UJ
Total HpCDF	13.8	J	11.8	J	13.8		21.2	J	5.4	EMPC
Total HxCDD	12.6	EMPC	8.0	EMPC	12.6		23.9	UJ	7.7	UJ
Total HxCDF	24.8	J	21.5	J	24.8		28.1	J	13.6	EMPC
Total PeCDD	7.4	EMPC	2.5	EMPC	7.4		11.3	EMPC	5.1	EMPC
Total PeCDF	20.7	J	14.0	J	20.7		42.9	J	15.5	UJ
Total TCDD	123	J	122	J	123		182	J	4.2	UJ
Total TCDF	20.1	J	0.00	UJ	20.1		30.9	J	13.3	UJ
Toxicity Equivalency	120		118		120		176		2.9	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-BK-2003X-01		APB-DU-102199B		APB-BK-2003X-01-MAX		APB-BK-2003Y-01		APB-BK-2003Z-01	
Sample Location	APB-BK-2003		APB-BK-2003		APB-BK-2003		APB-BK-2003		APB-BK-2003	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	Field Dup. APB-BK-2003X-01		Field Dup. APB-BK-2003X-01		Field Dup. APB-BK-2003X-01		None		None	
TAL Metal Analysis (MG/KG)	D00861		D00870		D00870		D00862		D00863	
Aluminum	3490		3470		3490		3450		5530	
Antimony	0.62	UJ	0.62	U	0.62	U	0.61	UJ	0.66	UJ
Arsenic	0.89		1.1	J	0.89		1.0		10.5	
Barium	22.1		22.3		22.3		25.5		262	
Beryllium	0.25		0.26		0.26		0.32		0.50	
Cadmium	0.07	U	0.07	U	0.07	U	0.06	U	0.07	U
Calcium	591	J	631		631		843	J	2200	J
Chromium	11.0		9.1		11.0		12.1		8.5	
Cobalt	3.5	U	3.0	U	3.5	U	3.8	U	7.2	U
Copper	19.8		16.5		19.8		13.4		37.4	
Iron	9810		7470		9810		6260		14600	
Lead	35.6		31.2		35.6		52.5		373	
Magnesium	870	J	1110		1110		911	J	1380	J
Manganese	128		122		128		125		262	
Mercury	0.05	J	0.04		0.04		0.03	J	0.15	J
Nickel	6.4	UJ	4.0	U	4.0	U	9.7	U	14.6	U
Potassium	462	J	526		526		475	J	756	J
Selenium	0.95	U	0.96	U	0.96	U	0.93	U	1.0	U
Silver	2.9	U	1.2	U	2.9	U	1.6	U	4.0	U
Sodium	64.6	UJ	28.5	J	28.5		96.7	UJ	142	UJ
Thallium	0.43	U	0.44	U	0.44	U	0.43	U	0.46	U
Vanadium	9.7	U	8.5		8.5		14.5		55.1	
Zinc	68.7	J	70.5		70.5		73.6	J	144	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-BK-2006X-01		LPX-BK-2006Y-01		LPX-BK-2006Z-01		LPX-BK-2007X-01		LPX-BK-2007Y-01	
Sample Location	LPX-BK-2006		LPX-BK-2006		LPX-BK-2006		LPX-BK-2007		LPX-BK-2007	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None		Field Dup. LPX-BK-2007Y-01	
Semivolatile Organic Analysis (UG/KG)	D00846		D00847		D00848		D00849		D00850	
1,2,4-Trichlorobenzene	3900	U	920	U	2200	U	2200	U	840	U
1,2-Dichlorobenzene	3900	U	920	U	2200	U	2200	U	840	U
1,3-Dichlorobenzene	3900	U	920	U	2200	U	2200	U	840	U
1,4-Dichlorobenzene	3900	U	920	U	2200	U	2200	U	840	U
2,2'-oxybis(1-Chloropropane)	3900	UJ	920	UJ	2200	UJ	2200	U	840	UJ
2,4,5-Trichlorophenol	9800	U	2300	U	5400	U	5500	U	2100	U
2,4,6-Trichlorophenol	3900	U	920	U	2200	U	2200	U	840	U
2,4-Dichlorophenol	3900	U	920	U	2200	U	2200	U	840	U
2,4-Dimethylphenol	3900	U	920	U	2200	U	2200	U	840	U
2,4-Dinitrophenol		R		R		R		R		R
2,4-Dinitrotoluene	3900	U	920	U	2200	U	2200	U	840	U
2,6-Dinitrotoluene	3900	U	920	U	2200	U	2200	U	840	U
2-Chloronaphthalene	3900	U	920	U	2200	U	2200	U	840	U
2-Chlorophenol	3900	U	920	U	2200	U	2200	U	840	U
2-Methylnaphthalene	3900	U	920	U	2200	U	2200	U	840	U
2-Methylphenol	3900	U	920	U	2200	U	2200	U	840	U
2-Nitroaniline	9800	U	2300	U	5400	U	5500	U	2100	U
2-Nitrophenol	3900	U	920	U	2200	U	2200	U	840	U
3,3'-Dichlorobenzidine	3900	U	920	U	2200	U	2200	U	840	U
3-Nitroaniline	9800	U	2300	U	5400	U	5500	U	2100	U
4,6-Dinitro-2-methylphenol	9800	UJ	2300	UJ	5400	UJ	5500	UJ	2100	UJ
4-Bromophenyl-phenylether	3900	U	920	U	2200	U	2200	U	840	U
4-Chloro-3-methylphenol	3900	U	920	U	2200	U	2200	U	840	U
4-Chloroaniline	3900	U	920	U	2200	U	2200	U	840	U
4-Chlorophenyl-phenylether	3900	U	920	U	2200	U	2200	U	840	U
4-Methylphenol	3900	U	920	U	2200	U	2200	U	840	U
4-Nitroaniline	9800	U	2300	U	5400	U	5500	U	2100	U
4-Nitrophenol	9800	UJ	2300	UJ	5400	UJ	5500	UJ	2100	UJ
Acenaphthene	3900	U	920	U	2200	U	2200	U	130	J
Acenaphthylene	3900	U	920	U	2200	U	2200	U	840	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-BK-2006X-01		LPX-BK-2006Y-01		LPX-BK-2006Z-01		LPX-BK-2007X-01		LPX-BK-2007Y-01	
Sample Location	LPX-BK-2006		LPX-BK-2006		LPX-BK-2006		LPX-BK-2007		LPX-BK-2007	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None		Field Dup. LPX-BK-2007Y-01	
Anthracene	3900	U	920	U	2200	U	2200	U	220	J
Benzo(a)anthracene	3900	U	230	J	1000	J	2200	U	740	J
Benzo(a)pyrene	3900	U	200	J	940	J	2200	U	650	J
Benzo(b)fluoranthene	3900	U	250	J	1000	J	2200	U	790	J
Benzo(g,h,i)perylene	3900	U	100	J	440	J	2200	U	240	J
Benzo(k)fluoranthene	3900	U	230	J	810	J	2200	U	600	J
Bis(2-Chloroethoxy)methane	3900	U	920	U	2200	U	2200	U	840	U
Bis(2-Chloroethyl)ether	3900	U	920	U	2200	U	2200	U	840	U
bis(2-Ethylhexyl)phthalate	3900	U	920	U	280	J	2200	U	840	U
Butylbenzylphthalate	3900	U	920	U	2200	U	2200	U	840	U
Carbazole	3900	U	920	U	2200	U	2200	U	150	J
Chrysene	3900	U	290	J	1100	J	260	J	1000	
Di-n-Butylphthalate	3900	U	130	J	2200	U	2200	UJ	840	U
Di-n-octylphthalate	3900	U	920	U	2200	U	2200	UJ	840	U
Dibenzo(a,h)anthracene	3900	U	920	U	400	J	2200	U	250	J
Dibenzofuran	3900	U	920	U	2200	U	2200	U	96	J
Diethylphthalate	3900	U	920	U	2200	U	2200	U	840	U
Dimethylphthalate	3900	U	920	U	2200	U	2200	U	840	U
Fluoranthene	420	J	460	J	1900	J	450	J	1800	
Fluorene	3900	U	920	U	2200	U	2200	U	120	J
Hexachlorobenzene	3900	U	920	U	2200	U	2200	U	840	U
Hexachlorobutadiene	3900	U	920	U	2200	U	2200	U	840	U
Hexachlorocyclopentadiene	3900	UJ	920	UJ	2200	UJ	2200	UJ	840	UJ
Hexachloroethane	3900	U	920	U	2200	U	2200	U	840	U
Indeno(1,2,3-cd)pyrene	3900	U	170	J	750	J	2200	U	480	J
Isophorone	3900	U	920	U	2200	U	2200	U	840	U
N-Nitroso-di-n-propylamine	3900	U	920	U	2200	U	2200	U	840	U
N-Nitroso-diphenylamine	3900	U	920	U	2200	U	2200	U	840	U
Naphthalene	3900	U	920	U	2200	U	2200	U	110	J
Nitrobenzene	3900	U	920	U	2200	U	2200	U	840	U
Pentachlorophenol	9800	U	2300	U	5400	U	5500	U	2100	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-BK-2006X-01		LPX-BK-2006Y-01		LPX-BK-2006Z-01		LPX-BK-2007X-01		LPX-BK-2007Y-01	
Sample Location	LPX-BK-2006		LPX-BK-2006		LPX-BK-2006		LPX-BK-2007		LPX-BK-2007	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None		Field Dup. LPX-BK-2007Y-01	
Phenanthrene	3900	U	180	J	580	J	300	J	1400	J
Phenol	3900	UJ	920	UJ	2200	UJ	2200	U	840	UJ
Pyrene	3900	U	470	J	1900	J	410	J	1500	J
Total PAH	3900	U	270		1600		0.3		1100	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-BK-2006X-01		LPX-BK-2006Y-01		LPX-BK-2006Z-01		LPX-BK-2007X-01		LPX-BK-2007Y-01	
Sample Location	LPX-BK-2006		LPX-BK-2006		LPX-BK-2006		LPX-BK-2007		LPX-BK-2007	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None		Field Dup. LPX-BK-2007Y-01	
Pesticide/PCB Analysis (UG/KG)			D00847		D00848		D00849		D00850	
4,4'-DDD		NA	4.6	U	4.3	U	4.4	U	4.2	U
4,4'-DDE		NA	4.6	U	4.3	U	4.4	U	4.2	U
4,4'-DDT		NA	4.6	U	5.2		4.4	U	7.8	
Aldrin		NA	2.4	U	2.2	U	2.3	U	2.1	UJ
alpha-BHC		NA	2.4	U	2.2	U	2.3	U	2.1	U
alpha-Chlordane		NA	2.4	U	2.2	U	2.3	U	2.1	U
Aroclor, Total		NA	93	U	88	U	98		85	U
Aroclor-1016		NA	46	U	43	U	44	U	42	U
Aroclor-1221		NA	93	U	88	U	89	U	85	U
Aroclor-1232		NA	46	U	43	U	44	U	42	U
Aroclor-1242		NA	46	U	43	U	44	U	42	U
Aroclor-1248		NA	46	U	43	U	44	U	42	U
Aroclor-1254		NA	46	U	43	U	98	P	42	U
Aroclor-1260		NA	46	U	43	U	44	U	42	U
beta-BHC		NA	2.4	U	2.2	U	2.3	U	2.1	U
delta-BHC		NA	2.4	U	2.2	U	2.3	U	2.1	U
Dieldrin		NA	4.6	U	4.3	U	4.6	P	4.2	U
Endosulfan I		NA	2.4	U	2.2	U	2.3	U	2.1	U
Endosulfan II		NA	4.6	U	4.3	U	4.4	U	4.2	U
Endosulfan Sulfate		NA	4.6	U	4.3	U	4.4	U	4.2	U
Endrin		NA	4.6	U	4.3	U	4.4	U	4.2	U
Endrin Aldehyde		NA	4.6	U	4.3	U	4.4	U	4.2	U
Endrin Ketone		NA	4.6	U	4.3	U	4.4	U	4.2	U
gamma-BHC		NA	2.4	U	2.2	U	2.3	U	2.1	UJ
gamma-Chlordane		NA	2.4	U	2.2	U	2.3	U	2.1	U
Heptachlor		NA	2.4	U	2.2	U	2.3	U	2.1	UJ
Heptachlor Epoxide		NA	2.4	U	2.2	U	2.3	U	2.1	U
Methoxychlor		NA	24	U	22	U	23	U	21	U
Toxaphene		NA	240	U	220	U	230	U	210	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-BK-2006X-01		LPX-BK-2006Y-01		LPX-BK-2006Z-01		LPX-BK-2007X-01		LPX-BK-2007Y-01	
Sample Location	LPX-BK-2006		LPX-BK-2006		LPX-BK-2006		LPX-BK-2007		LPX-BK-2007	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None		Field Dup. LPX-BK-2007Y-01	
Dioxin Analysis (NG/KG)	D00846		D00847		D00848		D00849		D00850	
1,2,3,4,6,7,8-HpCDD	418		59.3		33.7		335		15.1	EMPC
1,2,3,4,6,7,8-HpCDF	192		28.9		44.4		122		9.3	
1,2,3,4,7,8,9-HpCDF	9.8	EMPC	2.8	U	1.1	J	6.5	U	3.8	U
1,2,3,4,7,8-HxCDD	9.8		2.1	U	0.87	J	8.9		3.2	U
1,2,3,4,7,8-HxCDF	49.8		14.2		7.1		29.4		5.4	J
1,2,3,6,7,8-HxCDD	23.9		5.2		2.5	J	24.4		2.6	U
1,2,3,6,7,8-HxCDF	21.4		5.7		2.8	J	12.7		1.5	U
1,2,3,7,8,9-HxCDD	28.1		1.9	U	2.6	J	24.7		0.00	U
1,2,3,7,8,9-HxCDF	2.5	U	1.6	U	0.26	EMPC	3.2	U	2.2	U
1,2,3,7,8-PeCDD	10.3		1.4	U	1.6	J	12.4		1.8	U
1,2,3,7,8-PeCDF	20.0	EMPC	7.4	EMPC	4.5	J	12.8		1.5	U
1,2,4,5,7,8-hexachloro(9H)xanthene	234.04	J	0.00	U	0.00	U	493.81	J	0.00	U
2,3,4,6,7,8-HxCDF	28.7		5.8		3.8	J	14.2		1.8	U
2,3,4,7,8-PeCDF	20.6		8.0	EMPC	5.1	J	13.6		1.5	U
2,3,7,8-TCDD	840	&	57.7		5.4		1010	&	5.9	
2,3,7,8-TCDF	37.7		19.9		14.8		38.4		8.4	
OCDD	2170		386		284		1340		53.9	
OCDF	175		30.1		25.6		113		9.1	U
Total HpCDD	827	J	146	J	72.1	J	628	J	27.7	EMPC
Total HpCDF	364	J	48.8	J	68.5	J	236	J	9.3	J
Total HxCDD	253	J	58.5	J	32.0	J	233	J	23.2	UJ
Total HxCDF	422	J	68.4	J	47.0	J	314	J	31.1	J
Total PeCDD	68.8	J	45.2	J	32.9	J	68.1	J	28.6	EMPC
Total PeCDF	328	J	74.6	J	61.3	J	287	J	42.0	J
Total TCDD	840	J&	107	J	39.7	J	1010	J&	60.3	J
Total TCDF	290	J	111	J	82.5	J	405	J	44.4	J
Toxicity Equivalency	888		69.1		14.1		1050		9.4	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-BK-2006X-01		LPX-BK-2006Y-01		LPX-BK-2006Z-01		LPX-BK-2007X-01		LPX-BK-2007Y-01	
Sample Location	LPX-BK-2006		LPX-BK-2006		LPX-BK-2006		LPX-BK-2007		LPX-BK-2007	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None		Field Dup. LPX-BK-2007Y-01	
TAL Metal Analysis (MG/KG)	D00846		D00847		D00848		D00849		D00850	
Aluminum	5620	J	7620		10900		4630		6810	
Antimony	1.8	J	0.79	UJ	0.67	UJ	1.3	J	0.67	UJ
Arsenic	4.4	J	4.1		7.0		1.6		4.9	
Barium	18.7	J	27.2		44.4		58.9		106	
Beryllium	0.25	J	0.28		0.59		0.49		0.51	
Cadmium		R	5.1		0.07	U	0.37	J	0.07	U
Calcium	820	J	543	J	390	J	2640	J	956	J
Chromium	47.2	J	11.3		11.9		33.5		11.0	
Cobalt	3.5	UJ	3.9	UJ	4.3	U	3.4	U	4.8	U
Copper	66.7	J	23.0		14.3		36.8		48.1	
Iron	9820	J	9620		12000		5760		7530	
Lead	224	J	86.1		89.9		141		253	
Magnesium	580	J	1100	J	1060	J	988	J	947	J
Manganese	44.1	J	78.2		129		167		122	
Mercury	0.21	J	0.15	J	0.13	J	0.10	J	0.18	J
Nickel	9.5	UJ	7.7	UJ	7.8	UJ	14.3	U	8.8	UJ
Potassium	471	J	460	J	396	J	559	J	374	J
Selenium		R	1.2	U	1.0	U	0.92	U	1.0	U
Silver	3.0	UJ	2.5	U	2.9	U	2.2	U	2.4	U
Sodium	271	UJ	96.8	UJ	73.3	UJ	286	UJ	141	UJ
Thallium		R	0.55	U	0.47	U	0.42	U	0.47	U
Vanadium	31.8	J	31.1		29.1		16.3		22.9	
Zinc	57.5	J	94.3	J	126	J	104	J	93.1	J

Summary of Sediment/Soil Analytical Results
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Sample Number	LPX-DU-102199A		LPX-BK-2007Y-01-MAX		LPX-BK-2007Z-01		LPX-BK-2008X-01		LPX-BK-2008Y-01	
Sample Location	LPX-BK-2007		LPX-BK-2007		LPX-BK-2007		LPX-BK-2008		LPX-BK-2008	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	Field Dup. LPX-BK-2007Y-01		Field Dup. LPX-BK-2007Y-01		None		None		None	
Semivolatile Organic Analysis (UG/KG)	D00855		D00855		D00851		D00852		D00853	
1,2,4-Trichlorobenzene	810	U	840	U	790	U	1800	U	360	U
1,2-Dichlorobenzene	810	U	840	U	790	U	1800	U	360	U
1,3-Dichlorobenzene	810	U	840	U	790	U	1800	U	360	U
1,4-Dichlorobenzene	810	U	840	U	790	U	1800	U	360	U
2,2'-oxybis(1-Chloropropane)	810	U	810	U	790	UJ	1800	U	360	U
2,4,5-Trichlorophenol	2000	U	2100	U	2000	U	4600	U	910	U
2,4,6-Trichlorophenol	810	U	840	U	790	U	1800	U	360	U
2,4-Dichlorophenol	810	U	840	U	790	U	1800	U	360	U
2,4-Dimethylphenol	810	U	840	U	790	U	1800	U	360	U
2,4-Dinitrophenol		R		NA		R		R		R
2,4-Dinitrotoluene	810	U	840	U	790	U	1800	U	360	U
2,6-Dinitrotoluene	810	U	840	U	790	U	1800	U	360	U
2-Chloronaphthalene	810	U	840	U	790	U	1800	U	360	U
2-Chlorophenol	810	U	840	U	790	U	1800	U	360	U
2-Methylnaphthalene	810	U	840	U	790	U	1800	U	360	U
2-Methylphenol	810	U	840	U	790	U	1800	U	360	U
2-Nitroaniline	2000	U	2100	U	2000	U	4600	U	910	U
2-Nitrophenol	810	U	840	U	790	U	1800	U	360	U
3,3'-Dichlorobenzidine	810	U	840	U	790	U	1800	U	360	U
3-Nitroaniline	2000	U	2100	U	2000	U	4600	U	910	U
4,6-Dinitro-2-methylphenol	2000	UJ	2100	U	2000	UJ	4600	UJ	910	UJ
4-Bromophenyl-phenylether	810	U	840	U	790	U	1800	U	360	U
4-Chloro-3-methylphenol	810	U	840	U	790	U	1800	U	360	U
4-Chloroaniline	810	U	840	U	790	U	1800	U	360	U
4-Chlorophenyl-phenylether	810	U	840	U	790	U	1800	U	360	U
4-Methylphenol	810	U	840	U	790	U	1800	U	360	U
4-Nitroaniline	2000	U	2100	U	2000	U	4600	U	910	U
4-Nitrophenol	2000	UJ	2100	U	2000	UJ	4600	UJ	910	UJ
Acenaphthene	810	U	810	U	790	U	1800	U	360	U
Acenaphthylene	810	U	840	U	790	U	1800	U	360	U

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Sample Number	LPX-DU-102199A		LPX-BK-2007Y-01-MAX		LPX-BK-2007Z-01		LPX-BK-2008X-01		LPX-BK-2008Y-01	
Sample Location	LPX-BK-2007		LPX-BK-2007		LPX-BK-2007		LPX-BK-2008		LPX-BK-2008	
Interval	0 0-0 5		0 0-0 5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	Field Dup. LPX-BK-2007Y-01		Field Dup. LPX-BK-2007Y-01		None		None		None	
Anthracene	180	J	220		790	U	1800	U	360	U
Benzo(a)anthracene	840		840		400	J	1800	U	360	U
Benzo(a)pyrene	680	J	680		340	J	1800	U	360	U
Benzo(b)fluoranthene	690	J	790		370	J	1800	U	360	U
Benzo(g,h,i)perylene	340	J	340		120	J	1800	U	360	U
Benzo(k)fluoranthene	730	J	730		340	J	1800	U	360	U
Bis(2-Chloroethoxy)methane	810	U	840	U	790	U	1800	U	360	U
Bis(2-Chloroethyl)ether	810	U	840	U	790	U	1800	U	360	U
bis(2-Ethylhexyl)phthalate	810	U	840	U	130	J	270	J	270	J
Butylbenzylphthalate	810	U	840	U	790	U	1800	U	360	U
Carbazole	86	J	150		790	U	1800	U	360	U
Chrysene	1000		1000		450	J	1800	U	48	J
Di-n-Butylphthalate	810	UJ	840	U	790	U	1800	UJ	360	UJ
Di-n-octylphthalate	810	UJ	840	U	790	U	1800	UJ	360	UJ
Dibenzo(a,h)anthracene	240	J	250		120	J	1800	U	360	U
Dibenzofuran	810	U	810	U	790	U	1800	U	360	U
Diethylphthalate	810	U	840	U	790	U	1800	U	360	U
Dimethylphthalate	810	U	840	U	790	U	1800	U	360	U
Fluoranthene	1800		1800		850		1800	U	39	J
Fluorene	810	U	810	U	790	U	1800	U	360	U
Hexachlorobenzene	810	U	840	U	790	U	1800	U	360	U
Hexachlorobutadiene	810	U	840	U	790	U	1800	U	360	U
Hexachlorocyclopentadiene	810	UJ	840	U	790	UJ	1800	UJ	360	UJ
Hexachloroethane	810	U	840	U	790	U	1800	U	360	U
Indeno(1,2,3-cd)pyrene	510	J	510		260	J	1800	U	360	U
Isophorone	810	U	840	U	790	U	1800	U	360	U
N-Nitroso-di-n-propylamine	810	U	840	U	790	U	1800	U	360	U
N-Nitroso-diphenylamine	810	U	840	U	790	U	1800	U	360	U
Naphthalene	110	J	110		790	U	1800	U	360	U
Nitrobenzene	810	U	840	U	790	U	1800	U	360	U
Pentachlorophenol	2000	U	2100	U	2000	U	4600	U	910	U

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

Sample Number	LPX-DU-102199A		LPX-BK-2007Y-01-MAX		LPX-BK-2007Z-01		LPX-BK-2008X-01		LPX-BK-2008Y-01	
Sample Location	LPX-BK-2007		LPX-BK-2007		LPX-BK-2007		LPX-BK-2008		LPX-BK-2008	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	Field Dup. LPX-BK-2007Y-01		Field Dup. LPX-BK-2007Y-01		None		None		None	
Phenanthrene	1000		1000		470	J	1800	U	360	U
Phenol	810	U	810	U	790	UJ	1800	U	360	U
Pyrene	1500		1500		870		1800	U	360	U
Total PAH	1100		84		570		1800	U	0.05	

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Sample Number	LPX-DU-102199A		LPX-BK-2007Y-01-MAX		LPX-BK-2007Z-01		LPX-BK-2008X-01		LPX-BK-2008Y-01	
Sample Location	LPX-BK-2007		LPX-BK-2007		LPX-BK-2007		LPX-BK-2008		LPX-BK-2008	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	Field Dup. LPX-BK-2007Y-01		Field Dup. LPX-BK-2007Y-01		None		None		None	
Pesticide/PCB Analysis (UG/KG)	D00855		D00855		D00851		D00852		D00853	
4,4'-DDD	4.0	U	4.2	U	3.9	U	3.7	U	3.6	U
4,4'-DDE	4.0	U	4.2	U	3.9	U	3.7	U	3.6	U
4,4'-DDT	6.7		7.8		3.9	U	3.7	U	3.6	U
Aldrin	2.1	U	2.1	U	2.0	U	1.9	U	1.9	U
alpha-BHC	2.1	U	2.1	U	2.0	U	1.9	U	1.9	U
alpha-Chlordane	2.1	U	2.1	U	2.0	U	1.9	U	1.9	U
Aroclor, Total	82	U	85	U	80	U	71		73	U
Aroclor-1016	40	U	42	U	39	U	37	U	36	U
Aroclor-1221	82	U	85	U	80	U	75	U	73	U
Aroclor-1232	40	U	42	U	39	U	37	U	36	U
Aroclor-1242	40	U	42	U	39	U	37	U	36	U
Aroclor-1248	40	U	42	U	39	U	37	U	36	U
Aroclor-1254	40	U	42	U	39	U	71		36	U
Aroclor-1260	40	U	42	U	39	U	37	U	36	U
beta-BHC	2.1	U	2.1	U	2.0	U	1.9	U	1.9	U
delta-BHC	2.1	U	2.1	U	2.0	U	1.9	U	1.9	U
Dieldrin	4.0	U	4.2	U	3.9	U	3.7	U	3.6	U
Endosulfan I	2.1	U	2.1	U	2.0	U	1.9	U	1.9	U
Endosulfan II	4.0	U	4.2	U	3.9	U	3.7	U	3.6	U
Endosulfan Sulfate	4.0	U	4.2	U	3.9	U	3.7	U	3.6	U
Endrin	4.0	U	4.2	U	3.9	U	3.7	U	3.6	U
Endrin Aldehyde	4.0	U	4.2	U	3.9	U	3.7	U	3.6	U
Endrin Ketone	4.0	U	4.2	U	3.9	U	3.7	U	3.6	U
gamma-BHC	2.1	U	2.1	U	2.0	U	1.9	U	1.9	U
gamma-Chlordane	2.1	U	2.1	U	2.0	U	1.9	U	1.9	U
Heptachlor	2.1	U	2.1	U	2.0	U	1.9	U	1.9	U
Heptachlor Epoxide	2.1	U	2.1	U	2.0	U	1.9	U	1.9	U
Methoxychlor	21	U	21	U	20	U	19	U	19	U
Toxaphene	210	U	210	U	200	U	190	U	190	U

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

Sample Number	LPX-DU-102199A		LPX-BK-2007Y-01-MAX		LPX-BK-2007Z-01		LPX-BK-2008X-01		LPX-BK-2008Y-01	
Sample Location	LPX-BK-2007		LPX-BK-2007		LPX-BK-2007		LPX-BK-2008		LPX-BK-2008	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	Field Dup. LPX-BK-2007Y-01		Field Dup. LPX-BK-2007Y-01		None		None		None	
Dioxin Analysis (NG/KG)	D00855		D00855		D00851		D00852		D00853	
1,2,3,4,6,7,8-HpCDD	14.6		14.6		46.0		117		2.2	U
1,2,3,4,6,7,8-HpCDF	9.1		9.3		10.7		33.9		1.0	U
1,2,3,4,7,8,9-HpCDF	0.82	J	3.8	U	1.1	J	4.9	U	0.20	U
1,2,3,4,7,8-HxCDD	0.74	J	3.2	U	1.7	J	2.3	EMPC	0.20	U
1,2,3,4,7,8-HxCDF	0.20	UJ	5.4		5.2		11.9		0.76	U
1,2,3,6,7,8-HxCDD	2.0	U	2.6	U	4.4	J	4.7	EMPC	0.47	U
1,2,3,6,7,8-HxCDF	2.6	J	1.5	U	2.5	J	5.3		0.28	U
1,2,3,7,8,9-HxCDD	2.6	J		NA	4.5	J	8.6		0.64	J
1,2,3,7,8,9-HxCDF	0.20	U	2.2	U	0.40	U	2.5	U	0.10	U
1,2,3,7,8-PeCDD	1.2	J	1.8	U	2.1	J	1.6	U	0.10	U
1,2,3,7,8-PeCDF	3.3	J	1.5	U	3.2	EMPC	3.8	J	0.47	U
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U		NA	0.00	U	88.77	J	0.00	U
2,3,4,6,7,8-HxCDF	0.20	U	1.8	U	3.2	J	6.0		0.20	EMPC
2,3,4,7,8-PeCDF	4.1	J	1.5	U	3.9	J	5.0	J	0.61	U
2,3,7,8-TCDD	4.7		5.9		7.2		313		0.59	J
2,3,7,8-TCDF	7.6		8.4		6.8		9.7		1.2	U
OCDD	56.5		56.5		142		612	J	9.1	U
OCDF	8.4	J	9.1	U	13.9		46.5	J	1.1	U
Total HpCDD	30.0	J	30.0		88.1	J	229	J	4.6	UJ
Total HpCDF	14.5	J	14.5		19.7	J	66.9	J	1.4	EMPC
Total HxCDD	23.9	UJ	23.9	U	46.2	J	60.1	J	5.0	EMPC
Total HxCDF	33.3	J	33.3		35.3	J	78.8	J	2.1	EMPC
Total PeCDD	20.0	EMPC	28.6		30.6	J	11.1	UJ	3.4	EMPC
Total PeCDF	64.9	J	64.9		58.1	J	64.0	J	2.9	EMPC
Total TCDD	19.8	J	60.3		28.4	J	328	J	3.4	EMPC
Total TCDF	63.4	J	63.4		41.1	J	55.9	J	5.1	EMPC
Toxicity Equivalency	9.9		9.9		14.9		323		1.1	

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Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-DU-102199A		LPX-BK-2007Y-01-MAX		LPX-BK-2007Z-01		LPX-BK-2008X-01		LPX-BK-2008Y-01	
Sample Location	LPX-BK-2007		LPX-BK-2007		LPX-BK-2007		LPX-BK-2008		LPX-BK-2008	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	Field Dup. LPX-BK-2007Y-01		Field Dup. LPX-BK-2007Y-01		None		None		None	
TAL Metal Analysis (MG/KG)	D00855		D00855		D00851		D00852		D00853	
Aluminum	7650		7650		9730		3020		4850	
Antimony	0.62	UJ	0.67	U	0.62	UJ	1.4	J	0.65	UJ
Arsenic	4.9		4.9		4.1		3.8		5.3	
Barium	149		149		41.6		44.2		22.9	
Beryllium	0.69		0.69		0.47		0.28		0.30	
Cadmium	0.07	U	0.07	U	0.07	U	0.10	U	0.07	U
Calcium	1800	J	1800		935	J	1980	J	810	J
Chromium	11.3		11.3		11.1		13.6		12.2	
Cobalt	5.8	U	5.8	U	5.0	U	2.4	UJ	4.5	U
Copper	58.9		58.9		21.0		32.5		12.7	
Iron	7810		7810		10000		5370		7130	
Lead	308		308		105		84.1		17.8	
Magnesium	1000	J	1000		1520	J	732	J	1200	J
Manganese	134		134		165		142		99.4	
Mercury	0.17	J	0.18		0.09	J	0.08	J	0.05	J
Nickel	10.6	U	10.6	U	8.3	U	14.2	U	7.2	UJ
Potassium	392	J	392		626	J	453	J	694	J
Selenium	0.95	U	1.0	U	0.94	U	1.5	U	0.99	U
Silver	2.4	U	2.4	U	2.7	U	1.8	U	2.2	U
Sodium	167	UJ	167	U	64.9	UJ	181	UJ	83.5	UJ
Thallium	0.44	U	0.47	U	0.43	U	0.68	U	0.45	U
Vanadium	23.5		23.5		28.8		14.6		12.2	
Zinc	95.5	J	95.5		69.9	J	68.6	J	30.8	UJ

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-BK-2008Z-01		RCC-BK-3001X-01		RCC-DU-102299A		RCC-BK-3001X-01-MAX		RCC-BK-3001Y-01	
Sample Location	LPX-BK-2008		RCC-BK-3001		RCC-BK-3001		RCC-BK-3001		RCC-BK-3001	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/22/99		10/22/99		10/22/99		10/22/99	
QC Identifier	None		Field Dup. RCC-BK-3001X-01		Field Dup. RCC-BK-3001X-01		Field Dup. RCC-BK-3001X-01		None	
Semivolatile Organic Analysis (UG/KG)	D00854		D00871		D00877		D00877		D00872	
1,2,4-Trichlorobenzene	380	U	6400	U	6400	U	6400	U	3500	U
1,2-Dichlorobenzene	380	U	6400	U	6400	U	6400	U	3500	U
1,3-Dichlorobenzene	380	U	6400	U	6400	U	6400	U	3500	U
1,4-Dichlorobenzene	380	U	6400	U	6400	U	6400	U	3500	U
2,2'-oxybis(1-Chloropropane)	380	UJ	6400	UJ	6400	UJ	6400	U	3500	U
2,4,5-Trichlorophenol	950	U	16000	U	16000	U	16000	U	8700	U
2,4,6-Trichlorophenol	380	U	6400	U	6400	U	6400	U	3500	U
2,4-Dichlorophenol	380	U	6400	U	6400	U	6400	U	3500	U
2,4-Dimethylphenol	380	U	6400	U	6400	U	6400	U	3500	U
2,4-Dinitrophenol		R	16000	U	16000	U	16000	U	8700	U
2,4-Dinitrotoluene	380	U	6400	U	6400	U	6400	U	3500	U
2,6-Dinitrotoluene	380	U	6400	U	6400	U	6400	U	3500	U
2-Chloronaphthalene	380	U	6400	U	6400	U	6400	U	3500	U
2-Chlorophenol	380	U	6400	U	6400	U	6400	U	3500	U
2-Methylnaphthalene	380	U	6400	U	6400	U	6400	U	3500	U
2-Methylphenol	380	U	6400	U	6400	U	6400	U	3500	U
2-Nitroaniline	950	U	16000	U	16000	U	16000	U	8700	U
2-Nitrophenol	380	U	6400	U	6400	U	6400	U	3500	U
3,3'-Dichlorobenzidine	380	U	6400	U	6400	U	6400	U	3500	U
3-Nitroaniline	950	U	16000	U	16000	U	16000	U	8700	U
4,6-Dinitro-2-methylphenol	950	UJ	16000	U	16000	U	16000	U	8700	U
4-Bromophenyl-phenylether	380	U	6400	U	6400	U	6400	U	3500	U
4-Chloro-3-methylphenol	380	U	6400	U	6400	U	6400	U	3500	U
4-Chloroaniline	380	U	6400	U	6400	U	6400	U	3500	U
4-Chlorophenyl-phenylether	380	U	6400	U	6400	U	6400	U	3500	U
4-Methylphenol	380	U	6400	U	6400	U	6400	U	3500	U
4-Nitroaniline	950	U	16000	U	16000	U	16000	U	8700	U
4-Nitrophenol	950	UJ	16000	UJ	16000	UJ	16000	U	8700	U
Acenaphthene	380	U	6400	U	780	J	6400	U	390	J
Acenaphthylene	380	U	6400	U	6400	U	6400	U	3500	U

Summary of Sediment/Soil Analytical Results
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Sample Number	LPX-BK-2008Z-01		RCC-BK-3001X-01		RCC-DU-102299A		RCC-BK-3001X-01-MAX		RCC-BK-3001Y-01	
Sample Location	LPX-BK-2008		RCC-BK-3001		RCC-BK-3001		RCC-BK-3001		RCC-BK-3001	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/22/99		10/22/99		10/22/99		10/22/99	
QC Identifier	None		Field Dup. RCC-BK-3001X-01		Field Dup. RCC-BK-3001X-01		Field Dup. RCC-BK-3001X-01		None	
Anthracene	380	U	1200	J	1200	J	1200		790	J
Benzo(a)anthracene	62	J	3100	J	5000	J	5000		2700	J
Benzo(a)pyrene	45	J	2500	J	4000	J	4000		2100	J
Benzo(b)fluoranthene	81	J	1900	J	3300	J	3300		2400	J
Benzo(g,h,i)perylene	380	U	1500	J	2300	J	2300		700	J
Benzo(k)fluoranthene	45	J	2700	J	2400	J	2700		1900	J
Bis(2-Chloroethoxy)methane	380	U	6400	U	6400	U	6400	U	3500	U
Bis(2-Chloroethyl)ether	380	U	6400	U	6400	U	6400	U	3500	U
bis(2-Ethylhexyl)phthalate	47	J	3500	J	2300	J	3500		3500	U
Butylbenzylphthalate	380	U	6400	U	6400	U	6400	U	3500	U
Carbazole	380	U	690	J	870	J	870		580	J
Chrysene	160	J	3300	J	5200	J	5200		3000	J
Di-n-Butylphthalate	47	J	6400	U	6400	U	6400	U	3500	U
Di-n-octylphthalate	380	U	6400	U	6400	U	6400	U	3500	U
Dibenzo(a,h)anthracene	380	U	6400	U	840	J	6400	U	550	J
Dibenzofuran	380	U	6400	U	6400	U	6400	U	3500	U
Diethylphthalate	380	U	6400	U	6400	U	6400	U	3500	U
Dimethylphthalate	380	U	6400	U	6400	U	6400	U	3500	U
Fluoranthene	150	J	7100		9000		9000		6300	
Fluorene	380	U	670	J	820	J	820		450	J
Hexachlorobenzene	380	U	6400	U	6400	U	6400	U	3500	U
Hexachlorobutadiene	380	U	6400	U	6400	U	6400	U	3500	U
Hexachlorocyclopentadiene	380	UJ	6400	U	6400	U	6400	U	3500	U
Hexachloroethane	380	U	6400	U	6400	U	6400	U	3500	U
Indeno(1,2,3-cd)pyrene	380	U	1600	J	2600	J	2600		1300	J
Isophorone	380	U	6400	U	6400	U	6400	U	3500	U
N-Nitroso-di-n-propylamine	380	U	6400	U	6400	U	6400	U	3500	U
N-Nitroso-diphenylamine	380	U	6400	U	6400	U	6400	U	3500	U
Naphthalene	380	U	6400	U	6400	U	6400	U	3500	U
Nitrobenzene	380	U	6400	U	6400	U	6400	U	3500	U
Pentachlorophenol	950	U	16000	U	16000	U	16000	U	8700	U

Summary of Sediment/Soil Analytical Results
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Sample Number	LPX-BK-2008Z-01		RCC-BK-3001X-01		RCC-DU-102299A		RCC-BK-3001X-01-MAX		RCC-BK-3001Y-01	
Sample Location	LPX-BK-2008		RCC-BK-3001		RCC-BK-3001		RCC-BK-3001		RCC-BK-3001	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/22/99		10/22/99		10/22/99		10/22/99	
QC Identifier	None		Field Dup. RCC-BK-3001X-01		Field Dup. RCC-BK-3001X-01		Field Dup. RCC-BK-3001X-01		None	
Phenanthrene	160	J	5700	J	7400		7400		4600	
Phenol	380	UJ	6400	U	6400	U	6400	U	3500	U
Pyrene	110	J	5500	J	8200		8200		4900	
Total PAH	60		3200		6000		5100		3300	

Summary of Sediment/Soil Analytical Results
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Sample Number	LPX-BK-2008Z-01		RCC-BK-3001X-01		RCC-DU-102299A		RCC-BK-3001X-01-MAX		RCC-BK-3001Y-01	
Sample Location	LPX-BK-2008		RCC-BK-3001		RCC-BK-3001		RCC-BK-3001		RCC-BK-3001	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/22/99		10/22/99		10/22/99		10/22/99	
QC Identifier	None		Field Dup. RCC-BK-3001X-01		Field Dup. RCC-BK-3001X-01		Field Dup. RCC-BK-3001X-01		None	
Pesticide/PCB Analysis (UG/KG)	D00854		D00871		D00877		D00877		D00872	
4,4'-DDD	3.8	U	7.2		7.5		7.5		3.5	U
4,4'-DDE	3.8	U	3.4	U	3.2	U	3.4	U	3.5	U
4,4'-DDT	3.8	U	3.4	U	3.2	U	3.4	U	53	
Aldrin	1.9	U	1.7	U	1.6	U	1.7	U	1.8	U
alpha-BHC	1.9	U	1.7	U	1.6	U	1.7	U	1.8	U
alpha-Chlordane	1.9	U	3.4		3.8		3.8		12	
Aroclor, Total	76	U	450		350		450		330	
Aroclor-1016	38	U	34	U	32	U	34	U	35	U
Aroclor-1221	76	U	68	U	65	U	68	U	71	U
Aroclor-1232	38	U	34	U	32	U	34	U	35	U
Aroclor-1242	38	U	34	U	32	U	34	U	35	U
Aroclor-1248	38	U	34	U	32	U	34	U	35	U
Aroclor-1254	38	U	450		350		450		330	
Aroclor-1260	38	U	34	U	32	U	34	U	35	U
beta-BHC	1.9	U	1.7	U	1.6	U	1.7	U	1.8	U
delta-BHC	1.9	U	1.7	U	1.6	U	1.7	U	1.8	U
Dieldrin	3.8	U	3.4	U	3.2	U	3.4	U	3.5	U
Endosulfan I	1.9	U	1.7	U	1.6	U	1.7	U	1.8	U
Endosulfan II	3.8	U	38	J	3.2	U	3.2	U	3.5	U
Endosulfan Sulfate	3.8	U	3.4	U	3.2	U	3.4	U	3.5	U
Endrin	3.8	U	3.4	U	3.2	UJ	3.4	U	3.5	U
Endrin Aldehyde	3.8	U	3.4	U	3.2	U	3.4	U	3.5	U
Endrin Ketone	3.8	U	3.4	U	3.2	U	3.4	U	3.5	U
gamma-BHC	1.9	U	1.7	UJ	1.6	UJ	1.7	U	1.8	UJ
gamma-Chlordane	1.9	U	2.3		2.4		2.4		10	
Heptachlor	1.9	U	1.7	U	1.6	U	1.7	U	1.8	U
Heptachlor Epoxide	1.9	U	1.7	U	1.6	U	1.7	U	1.8	U
Methoxychlor	19	U	17	U	16	U	17	U	18	U
Toxaphene	190	U	170	U	160	U	170	U	180	U

Summary of Sediment/Soil Analytical Results
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Sample Number	LPX-BK-2008Z-01		RCC-BK-3001X-01		RCC-DU-102299A		RCC-BK-3001X-01-MAX		RCC-BK-3001Y-01	
Sample Location	LPX-BK-2008		RCC-BK-3001		RCC-BK-3001		RCC-BK-3001		RCC-BK-3001	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/22/99		10/22/99		10/22/99		10/22/99	
QC Identifier	None		Field Dup. RCC-BK-3001X-01		Field Dup. RCC-BK-3001X-01		Field Dup. RCC-BK-3001X-01		None	
Dioxin Analysis (NG/KG)	D00854		D00871		D00877		D00871		D00872	
1,2,3,4,6,7,8-HpCDD	3.9	U	239		290		290		959	
1,2,3,4,6,7,8-HpCDF	2.4	U	202		227	J	202		260	
1,2,3,4,7,8,9-HpCDF	0.29	J	10.0	J	43.1	J	43.1		19.5	
1,2,3,4,7,8-HxCDD	0.38	J	4.1	EMPC	5.0	EMPC	5.0		8.5	
1,2,3,4,7,8-HxCDF	1.3	U	45.3	J	101	J	101		18.2	
1,2,3,6,7,8-HxCDD	0.63	U	23.3		34.5		34.5		35.8	
1,2,3,6,7,8-HxCDF	0.52	U	22.3	J	34.9	J	34.9		11.9	J
1,2,3,7,8,9-HxCDD	0.81	J	17.5		27.4		27.4		31.2	
1,2,3,7,8,9-HxCDF	0.10	U	0.50	U	4.0	J	0.50	U	0.30	U
1,2,3,7,8-PeCDD	0.55	J	3.7	J	7.1	J	7.1		3.5	J
1,2,3,7,8-PeCDF	0.66	U	16.4	EMPC	14.3	EMPC	16.4		10.9	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U	3.96	J	4.32	J	4.32		2.52	J
2,3,4,6,7,8-HxCDF	0.45	U	26.7		111		111		17.0	
2,3,4,7,8-PeCDF	0.93	U	14.8	J	29.7	J	29.7		7.1	
2,3,7,8-TCDD	1.1		10.9	J	5.5	J	10.9		2.7	EMPC
2,3,7,8-TCDF	2.0	U	29.4		39.2		39.2		10.6	
OCDD	18.8		1290	EBJ	1540	EBJ	1540		4040	EBJ$
OCDF	2.0	U	200	EBJ	225	EBJ	225		765	EB
Total HpCDD	7.7	UJ	494	J	580	J	580		1580	J
Total HpCDF	3.6	UJ	464	J	718	J	718		901	J
Total HxCDD	7.3	UJ	223	J	341	J	341		203	J
Total HxCDF	4.5	EMPC	430	J	582	J	582		321	J
Total PeCDD	7.8	EMPC	44.0	J	116	J	116		0.00	UJ
Total PeCDF	8.2	EMPC	394	J	202	J	394		152	J
Total TCDD	7.6	J	45.8	J	29.0	J	45.8		13.0	J
Total TCDF	11.3	EMPC	280	J	168	J	280		84.3	J
Toxicity Equivalency	2.3		44.3		69.6		69.6		36.5	

Summary of Sediment/Soil Analytical Results
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Sample Number	LPX-BK-2008Z-01		RCC-BK-3001X-01		RCC-DU-102299A		RCC-BK-3001X-01-MAX		RCC-BK-3001Y-01	
Sample Location	LPX-BK-2008		RCC-BK-3001		RCC-BK-3001		RCC-BK-3001		RCC-BK-3001	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/22/99		10/22/99		10/22/99		10/22/99	
QC Identifier	None		Field Dup. RCC-BK-3001X-01		Field Dup. RCC-BK-3001X-01		Field Dup. RCC-BK-3001X-01		None	
TAL Metal Analysis (MG/KG)	D00854		D00871		D00877		D00871		D00872	
Aluminum	4320		4900		3690		4900		4750	
Antimony	0.64	UJ	1.1	U	0.92	U	1.1	U	0.80	U
Arsenic	4.9		6.0		4.5		6.0		4.2	
Barium	55.4		156		92.5		156		227	
Beryllium	0.49		1.2		0.67		1.2		1.4	
Cadmium	0.07	U	1.6		0.79		1.6		0.09	U
Calcium	1430	J	1040		817		1040		741	
Chromium	15.6		300		311		311		206	
Cobalt	4.5	U	32.2		26.5		32.2		23.8	
Copper	17.7		157		122		157		99.7	
Iron	6390		6230		5660		6230		15000	
Lead	28.7		210		184		210		247	
Magnesium	990	J	634		684		684		944	
Manganese	93.3		54.7		57.7		57.7		1490	
Mercury	0.07	J	0.11		0.12		0.12		0.12	
Nickel	8.7	U	37.8		32.7		37.8		23.7	
Potassium	594	J	420		381		420		431	
Selenium	0.98	U	2.2	J	2.3	J	2.3		1.8	J
Silver	1.8	U	3.0	U	2.7	U	3.0	U	5.3	
Sodium	115	UJ	63.5		57.4		63.5		45.3	
Thallium	0.45	U	0.79	U	0.76	J	0.79	U	0.56	U
Vanadium	14.6		159		144		159		72.4	
Zinc	62.5	J	266		214		266		119	

Summary of Sediment/Soil Analytical Results
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Sample Number	RCC-BK-3001Z-01		RCC-BK-3002X-01		RCC-BK-3002Y-01		RCC-BK-3002Z-01		WRL-BK-2004X-01		WRL-BK-2004Y-01	
Sample Location	RCC-BK-3001		RCC-BK-3002		RCC-BK-3002		RCC-BK-3002		WRL-BK-2004		WRL-BK-2004	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/22/99		10/22/99		10/22/99		10/22/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None		None		None	
Semivolatile Organic Analysis (UG/KG)	D00876		D00878		D00879		D00880		D00864		D00865	
1,2,4-Trichlorobenzene	2000	U	940	U	380	U	370	U	1900	U	2000	U
1,2-Dichlorobenzene	2000	U	940	U	380	U	370	U	1900	U	2000	U
1,3-Dichlorobenzene	2000	U	940	U	380	U	370	U	1900	U	2000	U
1,4-Dichlorobenzene	2000	U	940	U	380	U	370	U	1900	U	2000	U
2,2'-oxybis(1-Chloropropane)	2000	U	940	UJ	380	UJ	370	UJ	1900	UJ	2000	U
2,4,5-Trichlorophenol	5000	U	2400	U	970	U	940	U	4800	U	5100	U
2,4,6-Trichlorophenol	2000	U	940	U	380	U	370	U	1900	U	2000	U
2,4-Dichlorophenol	2000	U	940	U	380	U	370	U	1900	U	2000	U
2,4-Dimethylphenol	2000	U	940	U	380	U	370	U	1900	U	2000	U
2,4-Dinitrophenol	5000	U	2400	U	970	U	940	U		R		R
2,4-Dinitrotoluene	2000	U	940	U	380	U	370	U	1900	U	2000	U
2,6-Dinitrotoluene	2000	U	940	U	380	U	370	U	1900	U	2000	U
2-Chloronaphthalene	2000	U	940	U	380	U	370	U	1900	U	2000	U
2-Chlorophenol	2000	U	940	U	380	U	370	U	1900	U	2000	U
2-Methylnaphthalene	2000	U	940	U	380	U	370	U	1900	U	2000	U
2-Methylphenol	2000	U	940	U	380	U	370	U	1900	U	2000	U
2-Nitroaniline	5000	U	2400	U	970	U	940	U	4800	U	5100	U
2-Nitrophenol	2000	U	940	U	380	U	370	U	1900	U	2000	U
3,3'-Dichlorobenzidine	2000	U	940	U	380	U	370	U	1900	U	2000	U
3-Nitroaniline	5000	U	2400	U	970	U	940	U	4800	U	5100	U
4,6-Dinitro-2-methylphenol	5000	U	2400	U	970	U	940	U	4800	UJ	5100	UJ
4-Bromophenyl-phenylether	2000	U	940	U	380	U	370	U	1900	U	2000	U
4-Chloro-3-methylphenol	2000	U	940	U	380	U	370	U	1900	U	2000	U
4-Chloroaniline	2000	U	940	U	380	U	370	U	1900	U	2000	U
4-Chlorophenyl-phenylether	2000	U	940	U	380	U	370	U	1900	U	2000	U
4-Methylphenol	2000	U	940	U	380	U	370	U	1900	U	2000	U
4-Nitroaniline	5000	U	2400	U	970	U	940	U	4800	U	5100	U
4-Nitrophenol	5000	UJ	2400	UJ	970	UJ	940	UJ	4800	UJ	5100	UJ
Acenaphthene	480	J	940	U	380	U	370	U	1900	U	2000	U
Acenaphthylene	2000	U	940	U	380	U	370	U	1900	U	2000	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
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Sample Number	RCC-BK-3001Z-01		RCC-BK-3002X-01		RCC-BK-3002Y-01		RCC-BK-3002Z-01		WRL-BK-2004X-01		WRL-BK-2004Y-01	
Sample Location	RCC-BK-3001		RCC-BK-3002		RCC-BK-3002		RCC-BK-3002		WRL-BK-2004		WRL-BK-2004	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/22/99		10/22/99		10/22/99		10/22/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None		None		None	
Anthracene	930	J	940	U	380	U	370	U	1900	U	2000	U
Benzo(a)anthracene	2800		450	J	380	U	87	J	460	J	240	J
Benzo(a)pyrene	2400		490	J	380	U	100	J	440	J	230	J
Benzo(b)fluoranthene	2500		510	J	43	J	94	J	570	J	230	J
Benzo(g,h,i)perylene	1500	J	320	J	380	U	59	J	1900	U	2000	U
Benzo(k)fluoranthene	1900	J	480	J	380	U	130	J	460	J	340	J
Bis(2-Chloroethoxy)methane	2000	U	940	U	380	U	370	U	1900	U	2000	U
Bis(2-Chloroethyl)ether	2000	U	940	U	380	U	370	U	1900	U	2000	U
bis(2-Ethylhexyl)phthalate	340	J	460	J	51	J	78	J	310	J	2000	U
Butylbenzylphthalate	2000	U	490	J	380	U	370	U	1900	U	2000	U
Carbazole	660	J	940	U	380	U	370	U	1900	U	2000	U
Chrysene	3000		610	J	83	J	130	J	580	J	310	J
Di-n-Butylphthalate	2000	U	940	U	40	J	370	U	1900	U	2000	UJ
Di-n-octylphthalate	2000	U	940	U	380	U	370	U	1900	U	2000	UJ
Dibenzo(a,h)anthracene	770	J	140	J	380	U	370	U	1900	U	2000	U
Dibenzofuran	290	J	940	U	380	U	370	U	1900	U	2000	U
Diethylphthalate	2000	U	940	U	380	U	370	U	1900	U	2000	U
Dimethylphthalate	2000	U	940	U	380	U	370	U	1900	U	2000	U
Fluoranthene	6600		1100		77	J	220	J	1100	J	600	J
Fluorene	470	J	940	U	380	U	370	U	1900	U	2000	U
Hexachlorobenzene	2000	U	940	U	380	U	370	U	1900	U	2000	U
Hexachlorobutadiene	2000	U	940	U	380	U	370	U	1900	U	2000	U
Hexachlorocyclopentadiene	2000	U	940	U	380	U	370	U	1900	UJ	2000	UJ
Hexachloroethane	2000	U	940	U	380	U	370	U	1900	U	2000	U
Indeno(1,2,3-cd)pyrene	2000		460	J	380	U	99	J	350	J	2000	U
Isophorone	2000	U	940	U	380	U	370	U	1900	U	2000	U
N-Nitroso-di-n-propylamine	2000	U	940	U	380	U	370	U	1900	U	2000	U
N-Nitroso-diphenylamine	2000	U	940	U	380	U	370	U	1900	U	2000	U
Naphthalene	2000	U	940	U	380	U	370	U	1900	U	2000	U
Nitrobenzene	2000	U	940	U	380	U	370	U	1900	U	2000	U
Pentachlorophenol	5000	U	2400	U	970	U	940	U	4800	U	5100	U

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Sample Number	RCC-BK-3001Z-01		RCC-BK-3002X-01		RCC-BK-3002Y-01		RCC-BK-3002Z-01		WRL-BK-2004X-01		WRL-BK-2004Y-01	
Sample Location	RCC-BK-3001		RCC-BK-3002		RCC-BK-3002		RCC-BK-3002		WRL-BK-2004		WRL-BK-2004	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/22/99		10/22/99		10/22/99		10/22/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None		None		None	
Phenanthrene	4800		540	J	72	J	98	J	440	J	300	J
Phenol	2000	U	940	U	380	U	370	U	1900	UJ	2000	U
Pyrene	5000		860	J	49	J	190	J	890	J	490	J
Total PAH	3900		780		4		130		580		280	

Summary of Sediment/Soil Analytical Results
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Sample Number	RCC-BK-3001Z-01		RCC-BK-3002X-01		RCC-BK-3002Y-01		RCC-BK-3002Z-01		WRL-BK-2004X-01		WRL-BK-2004Y-01		
Sample Location	RCC-BK-3001		RCC-BK-3002		RCC-BK-3002		RCC-BK-3002		WRL-BK-2004		WRL-BK-2004		
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		
Date Sampled	10/22/99		10/22/99		10/22/99		10/22/99		10/21/99		10/21/99		
QC Identifier	None		None		None		None		None		None		
Pesticide/PCB Analysis (UG/KG)	D00876		D00878		D00879		D00880		D00864				
4,4'-DDD	4.0	U	4.6	U	3.8	U	3.7	U	3.1	U			NA
4,4'-DDE	4.0	U	4.6	U	3.8	U	3.7	U	3.1	U			NA
4,4'-DDT	5.3		4.6	U	3.8	U	3.7	U	3.1	U			NA
Aldrin	2.0	U	2.4	U	2.0	U	1.9	U	1.6	U			NA
alpha-BHC	2.0	U	2.4	U	2.0	U	1.9	U	1.6	U			NA
alpha-Chlordane	8.1		2.4	U	2.0	U	1.9	U	1.6	U			NA
Aroclor, Total	246		64		78	U	75	U	13				NA
Aroclor-1016	40	U	46	U	38	U	37	U	31	U			NA
Aroclor-1221	26	J	94	U	78	U	75	U	64	U			NA
Aroclor-1232	40	U	46	U	38	U	37	U	31	U			NA
Aroclor-1242	40	U	46	U	38	U	37	U	31	U			NA
Aroclor-1248	40	U	46	U	38	U	37	U	31	U			NA
Aroclor-1254	220		64		38	U	37	U	13	JP			NA
Aroclor-1260	40	U	46	U	38	U	37	U	31	U			NA
beta-BHC	2.0	U	2.4	U	2.0	U	1.9	U	1.6	U			NA
delta-BHC	2.0	U	2.4	U	2.0	U	1.9	U	1.6	U			NA
Dieldrin	4.0	U	4.6	U	3.8	U	3.7	U	4.9	P			NA
Endosulfan I	2.0	U	2.4	U	2.0	U	1.9	U	1.6	U			NA
Endosulfan II	4.0	U	4.6	U	3.8	U	3.7	U	3.1	U			NA
Endosulfan Sulfate	4.0	U	4.6	U	3.8	U	3.7	U	3.1	U			NA
Endrin	4.0	U	4.6	U	3.8	U	3.7	U	3.1	U			NA
Endrin Aldehyde	4.0	U	4.6	U	3.8	U	3.7	U	3.1	U			NA
Endrin Ketone	4.0	U	4.6	U	3.8	U	3.7	U	3.1	U			NA
gamma-BHC	2.0	UJ	2.4	UJ	2.0	UJ	1.9	UJ	1.6	U			NA
gamma-Chlordane	7.8		2.4	U	2.0	U	1.9	U	1.6	U			NA
Heptachlor	2.0	U	2.4	U	2.0	U	1.9	U	1.6	U			NA
Heptachlor Epoxide	2.0	U	2.4	U	2.0	U	1.9	U	1.6	U			NA
Methoxychlor	20	U	24	U	20	U	19	U	16	U			NA
Toxaphene	200	U	240	U	200	U	190	U	160	U			NA

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Sample Number	RCC-BK-3001Z-01		RCC-BK-3002X-01		RCC-BK-3002Y-01		RCC-BK-3002Z-01		WRL-BK-2004X-01		WRL-BK-2004Y-01	
Sample Location	RCC-BK-3001		RCC-BK-3002		RCC-BK-3002		RCC-BK-3002		WRL-BK-2004		WRL-BK-2004	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/22/99		10/22/99		10/22/99		10/22/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None		None		None	
Dioxin Analysis (NG/KG)	D00876		D00878		D00879		D00880		D00864		D00865	
1,2,3,4,6,7,8-HpCDD	182		107		27.9		14.8		294		107	
1,2,3,4,6,7,8-HpCDF	103		30.1		34.1		5.8		87.0		38.0	
1,2,3,4,7,8,9-HpCDF	5.2	J	1.2	EMPC	1.4	EMPC	0.52	J	3.8	J	2.6	J
1,2,3,4,7,8-HxCDD	4.6	J	1.9	J	0.10	U	0.20	U	4.2	J	3.0	J
1,2,3,4,7,8-HxCDF	34.6		3.5	J	1.2	EMPC	0.91	U	9.9		14.7	
1,2,3,6,7,8-HxCDD	12.3		5.1		1.3	J	0.96	U	13.0		6.3	
1,2,3,6,7,8-HxCDF	15.1	J	2.6	J	0.74	EMPC	0.45	UJ	7.0		5.8	
1,2,3,7,8,9-HxCDD	16.4		4.8		1.1	U	0.64	U	12.2		9.6	
1,2,3,7,8,9-HxCDF	0.50	U	0.70	U	0.10	U	0.10	U	0.28	J	0.51	J
1,2,3,7,8-PeCDD	3.6	J	1.3	J	0.35	J	0.20	U	2.9	J	3.2	J
1,2,3,7,8-PeCDF	29.0	EMPC	1.3	EMPC	0.10	U	0.10	U	4.3	J	5.8	
1,2,4,5,7,8-hexachloro(9H)xanthene	1.69	J	0.00	U	0.00	U	0.00	U	160.28	J	73.94	J
2,3,4,6,7,8-HxCDF	20.1		2.9	J	1.4	J	0.80	U	7.9		7.7	
2,3,4,7,8-PeCDF	14.3		0.00	U	0.00	U	0.00	U	5.2		8.8	
2,3,7,8-TCDD	2.1	EMPC	1.1	U	48.0		14.9		966	&	374	&
2,3,7,8-TCDF	23.4	J	2.7	U	1.4	U	0.63	EMPC	5.9		19.1	
OCDD	897	EBJ	678	EB	156	EB	92.5	EB	2100	J	698	
OCDF	102	EBJ	53.1	EB	68.1	EB	7.3	EBJ	137	J	50.8	
Total HpCDD	379	J	211	J	50.5	J	28.1	J	591	J	228	J
Total HpCDF	197	J	75.3	J	174	J	13.8	J	180	J	67.4	J
Total HxCDD	124	J	36.5	J	9.1	EMPC	5.9	EMPC	99.0	J	78.1	J
Total HxCDF	209	J	44.1	J	36.7	J	11.7	EMPC	145	J	93.8	J
Total PeCDD	0.00	UJ	11.3	EMPC	2.1	EMPC	0.00	UJ	25.4	EMPC	51.3	J
Total PeCDF	216	J	19.4	J	0.00	UJ	5.1	EMPC	122	J	108	J
Total TCDD	21.1	J	6.7	EMPC	48.6	J	14.9	J	966	J&	374	J&
Total TCDF	131	J	13.7	J	9.1	EMPC	5.8	EMPC	51.8	J	99.1	J
Toxicity Equivalency	30.0		5.6		49.6		15.5		982		390	

Summary of Sediment/Soil Analytical Results
Centredale Manor
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Sample Number	RCC-BK-3001Z-01		RCC-BK-3002X-01		RCC-BK-3002Y-01		RCC-BK-3002Z-01		WRL-BK-2004X-01		WRL-BK-2004Y-01	
Sample Location	RCC-BK-3001		RCC-BK-3002		RCC-BK-3002		RCC-BK-3002		WRL-BK-2004		WRL-BK-2004	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/22/99		10/22/99		10/22/99		10/22/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None		None		None	
TAL Metal Analysis (MG/KG)	D00876		D00878		D00879		D00880		D00864		D00865	
Aluminum	3560		2440		1880		2510		5640		7340	
Antimony	0.68	U	0.76	U	0.63	U	0.56	U	1.0	UJ	1.5	J
Arsenic	3.1		0.71	U	0.89	J	1.5		3.1		5.2	
Barium	145		26.0		11.2		7.6		20.7		38.5	
Beryllium	0.61		0.50		0.15	J	0.17	J	0.55		0.96	
Cadmium	0.07	U	0.08	U	0.07	U	0.06	U	0.11	U	0.06	U
Calcium	619		927		640		447		766	J	807	J
Chromium	144		43.9		4.6	J	4.6	J	41.6		104	
Cobalt	11.2		3.2	U	1.3	UJ	1.8	UJ	5.7	UJ	6.2	U
Copper	45.9		15.6		3.9	U	3.9	U	26.0		67.6	
Iron	10600		6470		3700		3900		10500		12700	
Lead	153		40.2		24.4		27.2		102		187	
Magnesium	721		674		573		662		1250	J	1030	J
Manganese	516		346		174		103		246		217	
Mercury	0.11		0.06		0.02		0.01	J	0.08	J		NA
Nickel	12.1		5.7	U	4.2	U	2.8	U	10.0	UJ	16.0	U
Potassium	379		326		317		410		486	J	652	J
Selenium	1.3	J	1.2	U	0.97	U	0.85	U	1.6	U	0.93	U
Silver	3.3	U	2.2	U	0.98	U	0.57	UJ	3.6	U	4.6	U
Sodium	26.3	J	58.3		15.1	U	13.3	U	164	UJ	129	UJ
Thallium	0.71	J	0.53	U	0.44	U	0.39	U	0.73	U	0.43	U
Vanadium	45.6		11.1		8.4		6.8		25.7		56.1	
Zinc	81.8		52.8		37.6		22.8	U	65.0	J	77.5	J

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Sample Number	WRL-BK-2004Z-01		WRL-BK-2005X-01		WRL-BK-2005Y-01		WRL-BK-2005Z-01	
Sample Location	WRL-BK-2004		WRL-BK-2005		WRL-BK-2005		WRL-BK-2005	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None	
Semivolatile Organic Analysis (UG/KG)	D00866		D00867		D00868		D00869	
1,2,4-Trichlorobenzene	2500	U	3600	U	400	U	400	U
1,2-Dichlorobenzene	2500	U	3600	U	400	U	400	U
1,3-Dichlorobenzene	2500	U	3600	U	400	U	400	U
1,4-Dichlorobenzene	2500	U	3600	U	400	U	400	U
2,2'-oxybis(1-Chloropropane)	2500	UJ	3600	UJ	400	UJ	400	UJ
2,4,5-Trichlorophenol	6400	U	9000	U	1000	U	1000	U
2,4,6-Trichlorophenol	2500	U	3600	U	400	U	400	U
2,4-Dichlorophenol	2500	U	3600	U	400	U	400	U
2,4-Dimethylphenol	2500	U	3600	U	400	U	400	U
2,4-Dinitrophenol		R		R	1000	U	1000	U
2,4-Dinitrotoluene	2500	U	3600	U	400	U	400	U
2,6-Dinitrotoluene	2500	U	3600	U	400	U	400	U
2-Chloronaphthalene	2500	U	3600	U	400	U	400	U
2-Chlorophenol	2500	U	3600	U	400	U	400	U
2-Methylnaphthalene	2500	U	3600	U	400	U	400	U
2-Methylphenol	2500	U	3600	U	400	U	400	U
2-Nitroaniline	6400	U	9000	U	1000	U	1000	U
2-Nitrophenol	2500	U	3600	U	400	U	400	U
3,3'-Dichlorobenzidine	2500	U	3600	U	400	U	400	U
3-Nitroaniline	6400	U	9000	U	1000	U	1000	U
4,6-Dinitro-2-methylphenol	6400	UJ	9000	UJ	1000	U	1000	U
4-Bromophenyl-phenylether	2500	U	3600	U	400	U	400	U
4-Chloro-3-methylphenol	2500	U	3600	U	400	U	400	U
4-Chloroaniline	2500	U	3600	U	400	U	400	U
4-Chlorophenyl-phenylether	2500	U	3600	U	400	U	400	U
4-Methylphenol	2500	U	3600	U	400	U	400	U
4-Nitroaniline	6400	U	9000	U	1000	U	1000	U
4-Nitrophenol	6400	UJ	9000	UJ	1000	UJ	1000	UJ
Acenaphthene	2500	U	3600	U	400	U	400	U
Acenaphthylene	2500	U	3600	U	400	U	400	U

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Sample Number	WRL-BK-2004Z-01		WRL-BK-2005X-01		WRL-BK-2005Y-01		WRL-BK-2005Z-01	
Sample Location	WRL-BK-2004		WRL-BK-2005		WRL-BK-2005		WRL-BK-2005	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None	
Anthracene	2500	U	3600	U	400	U	400	U
Benzo(a)anthracene	450	J	770	J	59	J	73	J
Benzo(a)pyrene	400	J	700	J	65	J	80	J
Benzo(b)fluoranthene	530	J	750	J	76	J	110	J
Benzo(g,h,i)perylene	2500	U	3600	U	51	J	43	J
Benzo(k)fluoranthene	420	J	850	J	59	J	66	J
Bis(2-Chloroethoxy)methane	2500	U	3600	U	400	U	400	U
Bis(2-Chloroethyl)ether	2500	U	3600	U	400	U	400	U
bis(2-Ethylhexyl)phthalate	460	J	3600	U	48	J	66	J
Butylbenzylphthalate	2500	U	3600	U	400	U	400	U
Carbazole	2500	U	3600	U	400	U	400	U
Chrysene	540	J	980	J	82	J	110	J
Di-n-Butylphthalate	2500	U	3600	U	400	U	400	U
Di-n-octylphthalate	2500	U	3600	U	400	U	400	U
Dibenzo(a,h)anthracene	2500	U	3600	U	400	U	400	U
Dibenzofuran	2500	U	3600	U	400	U	400	U
Diethylphthalate	2500	U	3600	U	400	U	400	U
Dimethylphthalate	2500	U	3600	U	400	U	400	U
Fluoranthene	980	J	1900	J	150	J	190	J
Fluorene	2500	U	3600	U	400	U	400	U
Hexachlorobenzene	2500	U	3600	U	400	U	400	U
Hexachlorobutadiene	2500	U	3600	U	400	U	400	U
Hexachlorocyclopentadiene	2500	UJ	3600	UJ	400	U	400	U
Hexachloroethane	2500	U	3600	U	400	U	400	U
Indeno(1,2,3-cd)pyrene	380	J	530	J	60	J	67	J
Isophorone	2500	U	3600	U	400	U	400	U
N-Nitroso-di-n-propylamine	2500	U	3600	U	400	U	400	U
N-Nitroso-diphenylamine	2500	U	3600	U	400	U	400	U
Naphthalene	2500	U	3600	U	400	U	400	U
Nitrobenzene	2500	U	3600	U	400	U	400	U
Pentachlorophenol	6400	U	9000	U	1000	U	1000	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-BK-2004Z-01		WRL-BK-2005X-01		WRL-BK-2005Y-01		WRL-BK-2005Z-01	
Sample Location	WRL-BK-2004		WRL-BK-2005		WRL-BK-2005		WRL-BK-2005	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None	
Phenanthrene	500	J	840	J	69	J	110	J
Phenol	2500	UJ	3600	UJ	400	U	400	U
Pyrene	900	J	1500	J	130	J	170	J
Total PAH	540		910		85		110	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-BK-2004Z-01		WRL-BK-2005X-01		WRL-BK-2005Y-01		WRL-BK-2005Z-01	
Sample Location	WRL-BK-2004		WRL-BK-2005		WRL-BK-2005		WRL-BK-2005	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None	
Pesticide/PCB Analysis (UG/KG)	D00866		D00867		D00868		D00869	
4,4'-DDD	5.6	U	3.5	U	4.0	U	4.0	U
4,4'-DDE	5.6	U	3.5	U	4.0	U	4.9	
4,4'-DDT	5.6	U	3.5	U	4.0	U	5.5	
Aldrin	2.9	U	1.8	U	2.1	U	2.0	U
alpha-BHC	2.9	U	1.8	U	2.1	U	2.0	U
alpha-Chlordane	2.9	U	1.8	U	2.1	U	2.0	U
Aroclor, Total	160		60		82	U	81	U
Aroclor-1016	56	U	35	U	40	U	40	U
Aroclor-1221	110	U	72	U	82	U	81	U
Aroclor-1232	56	U	35	U	40	U	40	U
Aroclor-1242	56	U	35	U	40	U	40	U
Aroclor-1248	56	U	35	U	40	U	40	U
Aroclor-1254	160	P	60		40	U	40	U
Aroclor-1260	56	U	35	U	40	U	40	U
beta-BHC	2.9	U	1.8	U	2.1	U	2.0	U
delta-BHC	2.9	U	1.8	U	2.1	U	2.0	U
Dieldrin	17	P	4.4	P	4.0	U	4.0	U
Endosulfan I	2.9	U	1.8	U	2.1	U	2.0	U
Endosulfan II	5.6	U	3.5	U	4.0	U	4.0	U
Endosulfan Sulfate	5.6	U	3.5	U	4.0	U	4.0	U
Endrin	5.6	U	5.6	P	4.0	U	4.0	U
Endrin Aldehyde	5.6	U	3.5	U	4.0	U	4.0	U
Endrin Ketone	5.6	U	3.5	U	4.0	U	4.0	U
gamma-BHC	2.9	U	1.8	U	2.1	UJ	2.0	UJ
gamma-Chlordane	2.9	U	1.8	U	2.1	U	2.0	U
Heptachlor	2.9	U	1.8	U	2.1	U	2.0	U
Heptachlor Epoxide	2.9	U	1.8	U	2.1	U	2.0	U
Methoxychlor	29	U	18	U	21	U	20	U
Toxaphene	290	U	180	U	210	U	200	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-BK-2004Z-01		WRL-BK-2005X-01		WRL-BK-2005Y-01		WRL-BK-2005Z-01	
Sample Location	WRL-BK-2004		WRL-BK-2005		WRL-BK-2005		WRL-BK-2005	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None	
Dioxin Analysis (NG/KG)	D00866		D00867		D00868		D00869	
1,2,3,4,6,7,8-HpCDD	375	J	175		20.7		14.3	
1,2,3,4,6,7,8-HpCDF	107	J	62.1		13.5		10.6	
1,2,3,4,7,8,9-HpCDF	6.1	J	3.5	J	0.88	EMPC	0.63	EMPC
1,2,3,4,7,8-HxCDD	5.3	J	2.8	J	0.77	J	0.61	J
1,2,3,4,7,8-HxCDF	18.6	J	6.8		4.2	J	4.9	
1,2,3,6,7,8-HxCDD	15.7	J	8.7		1.8	U	1.3	J
1,2,3,6,7,8-HxCDF	10.9	J	5.7		2.4	J	2.2	J
1,2,3,7,8,9-HxCDD	20.0	J	9.4		2.7	J	1.5	EMPC
1,2,3,7,8,9-HxCDF	0.67	EMPC	0.43	J	0.18	J	0.50	U
1,2,3,7,8-PeCDD	4.7	EMPC	2.0	J	0.90	J	1.0	J
1,2,3,7,8-PeCDF	11.7	EMPC	2.6	J	2.3	J	3.1	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	1198.35	J	233.47	J	1.46	J	0.00	U
2,3,4,6,7,8-HxCDF	12.5	J	6.7		2.6	J	2.9	J
2,3,4,7,8-PeCDF	8.7	J	3.4	J	3.2	J	4.0	J
2,3,7,8-TCDD	2930	J&	945	&	86.4		10.5	
2,3,7,8-TCDF	19.5	J	5.9		8.8		12.7	
OCDD	2780	J	1220		128		71.9	EBJ
OCDF	157	J	86.7		14.5		11.8	EBJ
Total HpCDD	693	J	347	J	43.8	J	35.0	J
Total HpCDF	224	J	142	J	21.9	J	18.3	J
Total HxCDD	153	J	73.0	J	21.6	UJ	18.5	EMPC
Total HxCDF	284	J	120	J	31.0	J	23.0	J
Total PeCDD	25.3	UJ	20.7	EMPC	15.3	EMPC	0.00	UJ
Total PeCDF	223	J	102	J	34.5	J	32.3	J
Total TCDD	3020	J&	976	J&	99.3	J	28.9	J
Total TCDF	167	J	56.0	J	45.7	J	62.3	J
Toxicity Equivalency	2960		956		91.6		16.6	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-BK-2004Z-01		WRL-BK-2005X-01		WRL-BK-2005Y-01		WRL-BK-2005Z-01	
Sample Location	WRL-BK-2004		WRL-BK-2005		WRL-BK-2005		WRL-BK-2005	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/21/99		10/21/99		10/21/99		10/21/99	
QC Identifier	None		None		None		None	
TAL Metal Analysis (MG/KG)	D00866		D00867		D00868		D00869	
Aluminum	4620		3780		2020		1690	
Antimony	0.60	UJ	0.82	UJ	0.63	U	0.70	U
Arsenic	3.4		1.5		2.8		2.2	
Barium	81.1		40.7		10.0		12.6	
Beryllium	0.85		0.53		0.19	J	0.11	U
Cadmium	0.21	J	0.09	U	0.07	U	0.07	U
Calcium	2920	J	777	J	158		158	
Chromium	13.6		39.8		5.4	J	2.8	J
Cobalt	4.4	U	4.1	UJ	1.2	UJ	1.9	UJ
Copper	25.6		27.9		5.6	U	8.4	
Iron	7030		6720		4890		4950	
Lead	120		71.8		55.0		50.0	
Magnesium	792	J	1090	J	388		358	
Manganese	885		149		75.6		147	
Mercury	0.48	J	0.09	J	0.04		0.05	
Nickel	16.3	U	8.7	UJ	3.1	U	2.8	UJ
Potassium	687	J	435	J	234		224	
Selenium	0.97	J	1.3	U	0.96	U	1.1	U
Silver	3.3	U	2.0	U	1.4	U	0.66	UJ
Sodium	105	UJ	99.8	UJ	17.4	J	16.6	U
Thallium	0.42	U	0.58	U	0.59	J	0.49	U
Vanadium	47.0		15.2		22.3		23.0	
Zinc	105	J	82.0	J	32.9		34.0	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SD-2038-01	
Sample Location	WRL-SD-2038	
Interval	0.0-0.5	
Date Sampled	10/25/99	
QC Identifier	None	
Semivolatile Organic Analysis (UG/KG)	D00889	
1,2,4-Trichlorobenzene	4200	U
1,2-Dichlorobenzene	4200	U
1,3-Dichlorobenzene	4200	U
1,4-Dichlorobenzene	4200	U
2,2'-oxybis(1-Chloropropane)	4200	U
2,4,5-Trichlorophenol	11000	U
2,4,6-Trichlorophenol	4200	U
2,4-Dichlorophenol	4200	U
2,4-Dimethylphenol	4200	U
2,4-Dinitrophenol	11000	U
2,4-Dinitrotoluene	4200	U
2,6-Dinitrotoluene	4200	U
2-Chloronaphthalene	4200	U
2-Chlorophenol	4200	U
2-Methylnaphthalene	4200	U
2-Methylphenol	4200	U
2-Nitroaniline	11000	U
2-Nitrophenol	4200	U
3,3'-Dichlorobenzidine	4200	U
3-Nitroaniline	11000	U
4,6-Dinitro-2-methylphenol	11000	U
4-Bromophenyl-phenylether	4200	U
4-Chloro-3-methylphenol	4200	U
4-Chloroaniline	4200	U
4-Chlorophenyl-phenylether	4200	U
4-Methylphenol	4200	U
4-Nitroaniline	11000	U
4-Nitrophenol	11000	U
Acenaphthene	4200	U
Acenaphthylene	4200	U
Anthracene	4200	U
Benzo(a)anthracene	1200	J
Benzo(a)pyrene	1200	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SD-2038-01	
Sample Location	WRL-SD-2038	
Interval	0.0-0.5	
Date Sampled	10/25/99	
QC Identifier	None	
Benzo(b)fluoranthene	1200	J
Benzo(g,h,i)perylene	610	J
Benzo(k)fluoranthene	1200	J
Bis(2-Chloroethoxy)methane	4200	U
Bis(2-Chloroethyl)ether	4200	U
bis(2-Ethylhexyl)phthalate	4200	U
Butylbenzylphthalate	4200	U
Carbazole	4200	U
Chrysene	1500	J
Di-n-Butylphthalate	4200	U
Di-n-octylphthalate	4200	U
Dibenzo(a,h)anthracene	4200	U
Dibenzofuran	4200	U
Diethylphthalate	4200	U
Dimethylphthalate	4200	U
Fluoranthene	2700	J
Fluorene	4200	U
Hexachlorobenzene	4200	U
Hexachlorobutadiene	4200	U
Hexachlorocyclopentadiene	4200	U
Hexachloroethane	4200	U
Indeno(1,2,3-cd)pyrene	710	J
Isophorone	4200	U
N-Nitroso-di-n-propylamine	4200	U
N-Nitroso-diphenylamine	4200	U
Naphthalene	4200	U
Nitrobenzene	4200	U
Pentachlorophenol	11000	U
Phenanthrene	1500	J
Phenol	4200	U
Pyrene	1900	J
Total PAH	1500	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SD-2038-01	
Sample Location	WRL-SD-2038	
Interval	0.0-0.5	
Date Sampled	10/25/99	
QC Identifier	None	
Pesticide/PCB Analysis (UG/KG)	D00889	
4,4'-DDD	4.2	U
4,4'-DDE	4.2	U
4,4'-DDT	6.1	
Aldrin	2.2	U
alpha-BHC	2.2	U
alpha-Chlordane	2.2	
Aroclor, Total	130	
Aroclor-1016	42	U
Aroclor-1221	85	U
Aroclor-1232	42	U
Aroclor-1242	42	U
Aroclor-1248	42	U
Aroclor-1254	130	
Aroclor-1260	42	U
beta-BHC	2.2	U
delta-BHC	2.2	U
Dieldrin	4.2	U
Endosulfan I	2.2	U
Endosulfan II	4.2	U
Endosulfan Sulfate	4.2	U
Endrin	4.2	U
Endrin Aldehyde	4.2	U
Endrin Ketone	4.2	U
gamma-BHC	2.2	UJ
gamma-Chlordane	3.1	
Heptachlor	2.2	U
Heptachlor Epoxide	2.2	U
Methoxychlor	22	U
Toxaphene	220	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SD-2038-01	
Sample Location	WRL-SD-2038	
Interval	0.0-0.5	
Date Sampled	10/25/99	
QC Identifier	None	
Dioxin Analysis (NG/KG)	D00889	
1,2,3,4,6,7,8-HpCDD	297	
1,2,3,4,6,7,8-HpCDF	103	
1,2,3,4,7,8,9-HpCDF	5.4	
1,2,3,4,7,8-HxCDD	5.7	EMPC
1,2,3,4,7,8-HxCDF	11.5	
1,2,3,6,7,8-HxCDD	13.1	
1,2,3,6,7,8-HxCDF	6.4	J
1,2,3,7,8,9-HxCDD	19.2	
1,2,3,7,8,9-HxCDF	0.20	U
1,2,3,7,8-PeCDD	4.8	
1,2,3,7,8-PeCDF	7.3	
1,2,4,5,7,8-hexachloro(9H)xanthene	3654.2	J$
2,3,4,6,7,8-HxCDF	7.5	
2,3,4,7,8-PeCDF	4.0	J
2,3,7,8-TCDD	611	$
2,3,7,8-TCDF	9.8	
OCDD	1630	EB
OCDF	129	EB
Total HpCDD	542	J
Total HpCDF	211	J
Total HxCDD	108	J
Total HxCDF	130	J
Total PeCDD	22.4	J
Total PeCDF	116	J
Total TCDD	611	J$
Total TCDF	153	J
Toxicity Equivalency	630	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SD-2038-01	
Sample Location	WRL-SD-2038	
Interval	0.0-0.5	
Date Sampled	10/25/99	
QC Identifier	None	
TAL Metal Analysis (MG/KG)	D00889	
Aluminum	4140	
Antimony	0.54	U
Arsenic	1.2	
Barium	66.6	
Beryllium	0.65	
Cadmium	0.06	U
Calcium	1180	
Chromium	30.5	
Cobalt	5.7	
Copper	28.5	
Iron	9890	
Lead	139	
Magnesium	1550	
Manganese	1130	
Mercury	0.10	
Nickel	14.4	
Potassium	852	
Selenium	0.82	U
Silver	2.7	U
Sodium	48.2	
Thallium	0.38	U
Vanadium	19.2	
Zinc	114	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SD-2038-01	
Sample Location	WRL-SD-2038	
Interval	0.0-0.5	
Date Sampled	10/25/99	
QC Identifier	None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)	D00889	
Acid Volatile Sulfide	0.0426	U
Cadmium		R
Copper	0.57606	J
Lead	0.50841	
Mercury	0.00048	
Nickel	0.68679	J
SEM/AVS	72.30836	
Simultaneously Extracted Metal	3.08015	
Zinc	1.30717	
Total Organic Carbon Analysis (MG/KG)	D00889	
Total Organic Carbon	18600	

APPENDIX C

AQUATIC AND FLOODPLAIN SEDIMENT RESULTS

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-FP-2028-0.502-01		APB-FP-2028-000 5-01		APB-FP-2028-023 5-01		APB-FP-2031-01		APB-FP-2032-01	
Sample Location	APB-FP-2028		APB-FP-2028		APB-FP-2028		APB-FP-2031		APB-FP-2032	
Interval	0.5-2 0		0 0-0 5		2 0-3 5		0 0-0.5		0 0-0 5	
Date Sampled	10/28/99		10/28/99		10/28/99		10/28/99		10/28/99	
QC Identifier	None		None		None		None		None	
Semivolatile Organic Analysis (UG/KG)	D00937		D00945		D00938		D00939		D00940	
1,2,4-Trichlorobenzene	2400	U	4700	U	440	U	2400	U	4700	U
1,2-Dichlorobenzene	2400	U	4700	U	440	U	2400	U	4700	U
1,3-Dichlorobenzene	2400	U	4700	U	440	U	2400	U	4700	U
1,4-Dichlorobenzene	2400	U	4700	U	440	U	2400	U	4700	U
2,2'-oxybis(1-Chloropropane)	2400	U	4700	U	440	U	2400	U	4700	U
2,4,5-Trichlorophenol	2400	U	12000	U	1100	U	5900	U	12000	U
2,4,6-Trichlorophenol	2400	U	4700	UJ	440	U	2400	U	4700	U
2,4-Dichlorophenol	2400	U	4700	U	440	U	2400	U	4700	U
2,4-Dimethylphenol	2400	U	4700	U	440	U	2400	UJ	4700	UJ
2,4-Dinitrophenol		R	12000	U	1100	UJ	5900	UJ	12000	UJ
2,4-Dinitrotoluene	2400	U	4700	U	440	U	2400	U	4700	U
2,6-Dinitrotoluene	2400	U	4700	U	440	U	2400	U	4700	U
2-Chloronaphthalene	2400	U	4700	U	440	U	2400	U	4700	U
2-Chlorophenol	2400	U	4700	U	440	U	2400	U	4700	U
2-Methylnaphthalene	2400	U	4700	U	440	U	2400	U	4700	U
2-Methylphenol	2400	U	4700	U	440	U	2400	U	4700	U
2-Nitroaniline	6100	U	12000	U	1100	UJ	5900	UJ	12000	UJ
2-Nitrophenol	2400	U	4700	U	440	U	2400	U	4700	U
3,3'-Dichlorobenzidine	2400	U	4700	UJ	440	UJ	2400	UJ	4700	UJ
3-Nitroaniline	6100	U	12000	U	1100	U	5900	U	12000	U
4,6-Dinitro-2-methylphenol	6100	UJ	12000	U	1100	UJ	5900	UJ	12000	UJ
4-Bromophenyl-phenylether	2400	U	4700	U	440	U	2400	U	4700	U
4-Chloro-3-methylphenol	2400	U	4700	U	440	U	2400	U	4700	U
4-Chloroaniline	2400	U	4700	UJ	440	U	2400	U	4700	U
4-Chlorophenyl-phenylether	2400	U	4700	U	440	U	2400	U	4700	U
4-Methylphenol	2400	U	4700	U	440	U	2400	U	4700	U
4-Nitroaniline	6100	UJ	12000	U	1100	U	5900	U	12000	U
4-Nitrophenol	6100	UJ	12000	U	1100	U	5900	U	12000	U
Acenaphthene	2400	U	4700	U	440	U	2400	U	4700	U
Acenaphthylene	2400	U	4700	U	440	U	2400	U	4700	U
Anthracene	2400	U	4700	U	440	U	2400	U	4700	U
Benzo(a)anthracene	2400	U	510	J	440	U	370	J	800	J
Benzo(a)pyrene	2400	U	640	J	440	U	380	J	900	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-FP-2028-0.5-2.0-01		APB-FP-2028-000.5-01		APB-FP-2028-023.5-01		APB-FP-2031-01		APB-FP-2032-01	
Sample Location	APB-FP-2028		APB-FP-2028		APB-FP-2028		APB-FP-2031		APB-FP-2032	
Interval	0.5-2.0		0.0-0.5		2.0-3.5		0.0-0.5		0.0-0.5	
Date Sampled	10/28/99		10/28/99		10/28/99		10/28/99		10/28/99	
QC Identifier	None		None		None		None		None	
Benzo(b)fluoranthene	2400	U	750	J	440	U	520	J	950	J
Benzo(g,h,i)perylene	2400	U	4700	U	440	U	2400	U	4700	U
Benzo(k)fluoranthene	2400	U	1100	J	440	U	450	J	860	J
Bis(2-Chloroethoxy)methane	2400	U	4700	U	440	U	2400	U	4700	U
Bis(2-Chloroethyl)ether	2400	U	4700	U	440	U	2400	U	4700	U
bis(2-Ethylhexyl)phthalate	2400	U	4700	U	440	UJ	2400	U	4700	U
Butylbenzylphthalate	2400	U	4700	UJ	440	U	2400	U	4700	U
Carbazole	2400	U	4700	U	440	U	2400	U	4700	U
Chrysene	2400	U	950	J	440	U	540	J	1100	J
Di-n-Butylphthalate	2400	U	4700	U	440	UJ	2400	UJ	4700	UJ
Di-n-octylphthalate	2400	U	4700	UJ	440	UJ	2400	UJ	4700	UJ
Dibenzo(a,h)anthracene	2400	U	4700	U	440	U	2400	U	4700	U
Dibenzofuran	2400	U	4700	U	440	U	2400	U	4700	U
Diethylphthalate	2400	U	4700	U	440	U	2400	U	4700	U
Dimethylphthalate	2400	U	4700	U	440	U	2400	U	4700	U
Fluoranthene	2400	U	1400	J	440	U	900	J	1600	J
Fluorene	2400	U	4700	U	440	U	2400	U	4700	U
Hexachlorobenzene	2400	U	4700	U	440	U	2400	U	4700	U
Hexachlorobutadiene	2400	U	4700	U	440	U	2400	U	4700	U
Hexachlorocyclopentadiene	2400	UJ	4700	UJ	440	U	2400	U	4700	U
Hexachloroethane	2400	U	4700	U	440	U	2400	U	4700	U
Indeno(1,2,3-cd)pyrene	2400	U	600	J	440	U	320	J	600	J
Isophorone	2400	U	4700	U	440	U	2400	U	4700	U
N-Nitroso-di-n-propylamine	2400	U	4700	U	440	UJ	2400	UJ	4700	UJ
N-Nitroso-diphenylamine	2400	U	4700	U	440	U	2400	U	4700	U
Naphthalene	2400	U	4700	U	440	U	2400	U	4700	U
Nitrobenzene	2400	U	4700	U	440	U	2400	U	4700	U
Pentachlorophenol	6100	UJ	12000	UJ	1100	UJ	5900	UJ	12000	UJ
Phenanthrene	2400	U	580	J	440	U	350	J	820	J
Phenol	2400	U	4700	U	440	U	2400	U	4700	U
Pyrene	2400	U	1200	J	440	U	710	J	1500	J
Total PAH	2400	U	840		440	U	510		1100	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-FP-2028-0.502-01		APB-FP-2028-000.5-01		APB-FP-2028-023.5-01		APB-FP-2031-01		APB-FP-2032-01	
Sample Location	APB-FP-2028		APB-FP-2028		APB-FP-2028		APB-FP-2031		APB-FP-2032	
Interval	0.5-2.0		0.0-0.5		2.0-3.5		0.0-0.5		0.0-0.5	
Date Sampled	10/28/99		10/28/99		10/28/99		10/28/99		10/28/99	
QC Identifier	None		None		None		None		None	
Pesticide/PCB Analysis (UG/KG)	D00937		D00945		D00938		D00939		D00940	
4,4'-DDD	5.0	U	4.8	U	4.4	U	4.7	U	5.6	J
4,4'-DDE	5.0	U	5.2		4.4	U	4.7	U	4.8	U
4,4'-DDT	5.0	U	4.8	U	4.4	U	4.7	U	4.8	U
Aldrin	2.6	U	2.5	U	2.3	U	2.4	U	2.5	U
alpha-BHC	2.6	U	2.5	U	2.3	U	2.4	U	2.5	U
alpha-Chlordane	2.6	U	2.5	U	2.3	U	2.4	U	18	
Aroclor, Total	100	U	250		90	U	130		480	
Aroclor-1016	50	U	48	U	44	U	47	U	48	U
Aroclor-1221	100	U	98	U	90	U	96	U	97	U
Aroclor-1232	50	U	48	U	44	U	47	U	48	U
Aroclor-1242	50	U	48	U	44	U	47	U	48	U
Aroclor-1248	50	U	48	U	44	U	47	U	48	U
Aroclor-1254	50	U	250		44	U	130		480	
Aroclor-1260	50	U	48	U	44	U	47	U	48	U
beta-BHC	2.6	U	2.5	U	2.3	U	2.4	U	2.5	U
delta-BHC	2.6	U	2.5	U	2.3	U	2.4	U	2.5	U
Dieldrin	5.0	U	22		4.4	U	13		47	
Endosulfan I	2.6	U	2.5	U	2.3	U	2.4	U	2.5	U
Endosulfan II	5.0	U	4.8	U	4.4	U	4.7	U	10	
Endosulfan Sulfate	5.0	U	4.8	U	4.4	U	4.7	U	4.8	U
Endrin	5.0	U	9.1		4.4	U	4.7	U	28	
Endrin Aldehyde	5.0	U	4.8	U	4.4	U	4.7	U	4.8	U
Endrin Ketone	5.0	U	4.8	U	4.4	U	4.7	U	4.8	U
gamma-BHC	2.6	U	2.5	U	2.3	U	2.4	U	2.5	U
gamma-Chlordane	2.6	U	3.6		2.3	U	7.9		18	
Heptachlor	2.6	U	2.5	U	2.3	U	2.4	U	2.5	U
Heptachlor Epoxide	2.6	U	2.5	U	2.3	U	2.4	U	2.5	U
Methoxychlor	26	U	25	U	23	U	24	U	25	U
Toxaphene	260	U	250	U	230	U	240	U	250	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-FP-2028-0.502-01		APB-FP-2028-000.5-01		APB-FP-2028-023.5-01		APB-FP-2031-01		APB-FP-2032-01	
Sample Location	APB-FP-2028		APB-FP-2028		APB-FP-2028		APB-FP-2031		APB-FP-2032	
Interval	0.5-2.0		0.0-0.5		2.0-3.5		0.0-0.5		0.0-0.5	
Date Sampled	10/28/99		10/28/99		10/28/99		10/28/99		10/28/99	
QC Identifier	None		None		None		None		None	
Dioxin Analysis (NG/KG)	D00937				D00938					
1,2,3,4,6,7,8-HpCDD	33.5			NA	8.1			NA		NA
1,2,3,4,6,7,8-HpCDF	54.5			NA	7.0			NA		NA
1,2,3,4,7,8,9-HpCDF	1.9	J		NA	1.9	U		NA		NA
1,2,3,4,7,8-HxCDD	1.2	J		NA	1.3	U		NA		NA
1,2,3,4,7,8-HxCDF	7.0			NA	2.1	J		NA		NA
1,2,3,6,7,8-HxCDD	3.0	J		NA	1.2	U		NA		NA
1,2,3,6,7,8-HxCDF	5.9			NA	1.2	J		NA		NA
1,2,3,7,8,9-HxCDD	3.3	J		NA	1.3	U		NA		NA
1,2,3,7,8,9-HxCDF	3.9	J		NA	0.84	J		NA		NA
1,2,3,7,8-PeCDD	1.5	J		NA	1.0	U		NA		NA
1,2,3,7,8-PeCDF	4.7	J		NA	0.50	U		NA		NA
1,2,4,5,7,8-hexachloro(9H)xanthene	3.72	J		NA	0.00	U		NA		NA
2,3,4,6,7,8-HxCDF	0.50	U		NA	0.90	U		NA		NA
2,3,4,7,8-PeCDF	3.0	J		NA	1.2	J		NA		NA
2,3,7,8-TCDD	153			NA	27.7			NA		NA
2,3,7,8-TCDF	7.0			NA	2.5			NA		NA
OCDD	210	JEB		NA	47.0	EB		NA		NA
OCDF	42.4	JEB		NA	7.2	EB		NA		NA
Total HpCDD	69.2	J		NA	8.1	J		NA		NA
Total HpCDF	85.0	J		NA	10.8	J		NA		NA
Total HxCDD	27.4	JEB		NA	5.1	JEB		NA		NA
Total HxCDF	72.4	J		NA	8.3	J		NA		NA
Total PeCDD	13.0	J		NA	7.7	J		NA		NA
Total PeCDF	49.4	J		NA	5.3	J		NA		NA
Total TCDD	163	J		NA	29.0	J		NA		NA
Total TCDF	44.9	J		NA	11.9	J		NA		NA
Toxicity Equivalency	160			NA	29.9			NA		NA

Summary of Sediment/Soil Analytical Results
Centredale Manor
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Sample Number	APB-FP-2028-0.502-01		APB-FP-2028-000.5-01		APB-FP-2028-023.5-01		APB-FP-2031-01		APB-FP-2032-01	
Sample Location	APB-FP-2028		APB-FP-2028		APB-FP-2028		APB-FP-2031		APB-FP-2032	
Interval	0.5-2.0		0.0-0.5		2.0-3.5		0.0-0.5		0.0-0.5	
Date Sampled	10/28/99		10/28/99		10/28/99		10/28/99		10/28/99	
QC Identifier	None		None		None		None		None	
TAL Metal Analysis (MG/KG)	D00937		D00945		D00938		D00939		D00940	
Aluminum	10000		14500		5850		13300		13500	
Antimony	1.1	J	6.3	J	0.73	J	2.9	J	2.9	J
Arsenic	3.4		8.7		1.1	J	6.5		6.9	
Barium	77.6		236		35.9		244		210	
Beryllium	1.8		2.7		0.94		3.3		3.2	
Cadmium	0.28	U	2.2		0.08	U	1.3		0.91	
Calcium	1940	J	2020	J	1010	J	2570	J	1400	J
Chromium	51.7		329		11.2		204		215	
Cobalt	3.7		8.6		2.3	J	9.4		9.0	
Copper	26.8		231		6.1		191		201	
Iron	9040		21600		8590		23100		19200	
Lead	54.9		511		11.9		587		595	
Magnesium	1060	J	2770	J	1080	J	2520	J	2420	J
Manganese	367		408		209		516		367	
Mercury	0.32		1.4		0.05		0.64		0.66	
Nickel	9.4		33.8		3.7		66.4		50.9	
Potassium	290	J	757	J	551	J	806	J	1010	J
Selenium	1.3	J	1.4	U	1.1	U	1.6	U	1.3	U
Silver	2.4		7.1		2.3		7.2		5.5	
Sodium	127	UJ	212	J	81.0	UJ	299	J	175	UJ
Thallium	0.46	U	0.65	U	0.50	U	0.71	U	0.60	U
Vanadium	14.2		40.7		9.1		44.9		52.0	
Zinc	182	J	429	J	62.6	J	553	J	520	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
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Sample Number	APB-FP-2028-0 502-01		APB-FP-2028-000 5-01		APB-FP-2028-023 5-01		APB-FP-2031-01		APB-FP-2032-01	
Sample Location	APB-FP-2028		APB-FP-2028		APB-FP-2028		APB-FP-2031		APB-FP-2032	
Interval	0 5-2 0		0 0-0 5		2.0-3.5		0 0-0.5		0 0-0 5	
Date Sampled	10/28/99		10/28/99		10/28/99		10/28/99		10/28/99	
QC Identifier	None		None		None		None		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)			D00945				D00939		D00940	
Acid Volatile Sulfide		NA	4.85681			NA	1.03		1.58127	
Cadmium		NA	0.04149	J		NA	0.012	J	0.004	J
Copper		NA	4.02506			NA	2.54272		1.16534	
Lead		NA	2.46723			NA	2.305		0.86469	
Mercury		NA	0.00009	U		NA	0.00009	U	0.00008	U
Nickel		NA	0.6944	J		NA	0.96404	J	0.75933	J
SEM/AVS			2.92566				3.23247		3.27612	
Simultaneously Extracted Metal		NA	14.2094			NA	13.30448		5.18042	
Zinc		NA	6.98117			NA	7.48019		2.38704	
Total Organic Carbon Analysis (MG/KG)			D00945				D00939		D00940	
Total Organic Carbon		NA	84300			NA	85200		71900	

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

Sample Number	APB-FP-2033-0 502-01		APB-FP-2033-000.5-01		APB-SD-2030-01		CMW-FP-2026-0 502-01		CMW-FP-2026-000 5-01	
Sample Location	APB-FP-2033		APB-FP-2033		APB-FP-2030		CMW-FP-2026		CMW-FP-2026	
Interval	0 5-2 0		0 0-0 5		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	10/28/99		10/28/99		10/22/99		10/28/99		10/28/99	
QC Identifier	None		None		None		None		Field Dup CMW-FP-2026-000 5-01	
Semivolatile Organic Analysis (UG/KG)	D00942		D00941		D00881		D00930		D00929	
1,2,4-Trichlorobenzene	4900	U	4800	U	3800	U	4800	U	4800	UJ
1,2-Dichlorobenzene	4900	U	4800	U	3800	U	4800	U	4800	U
1,3-Dichlorobenzene	4900	U	4800	U	3800	U	4800	U	4800	U
1,4-Dichlorobenzene	4900	U	4800	U	3800	U	4800	U	4800	U
2,2'-oxybis(1-Chloropropane)	4900	U	4800	U	3800	U	4800	U	4800	U
2,4,5-Trichlorophenol	12000	U	12000	U	9600	U	12000	U	12000	U
2,4,6-Trichlorophenol	4900	U	4800	U	3800	U	4800	UJ	4800	UJ
2,4-Dichlorophenol	4900	U	4800	U	3800	U	4800	U	4800	U
2,4-Dimethylphenol	4900	U	4800	UJ	3800	U	4800	U	4800	U
2,4-Dinitrophenol		R	12000	UJ	9600	U	12000	U	12000	U
2,4-Dinitrotoluene	4900	UJ	4800	U	3800	U	4800	U	4800	U
2,6-Dinitrotoluene	4900	UJ	4800	U	3800	U	4800	U	4800	U
2-Chloronaphthalene	4900	U	4800	U	3800	U	4800	U	4800	U
2-Chlorophenol	4900	U	4800	U	3800	U	4800	U	4800	U
2-Methylnaphthalene	4900	U	4800	U	3800	U	4800	U	4800	U
2-Methylphenol	4900	U	4800	U	3800	U	4800	U	4800	U
2-Nitroaniline	12000	U	12000	UJ	9600	U	12000	U	12000	U
2-Nitrophenol	4900	U	4800	U	3800	U	4800	U	4800	UJ
3,3'-Dichlorobenzidine	4900	U	4800	UJ	3800	U	4800	UJ	4800	UJ
3-Nitroaniline	12000	UJ	12000	U	9600	U	12000	U	12000	U
4,6-Dinitro-2-methylphenol	12000	UJ	12000	UJ	9600	U	12000	U	12000	U
4-Bromophenyl-phenylether	4900	U	4800	U	3800	U	4800	U	4800	U
4-Chloro-3-methylphenol	4900	U	4800	U	3800	U	4800	U	4800	U
4-Chloroaniline	4900	U	4800	U	3800	U	4800	UJ	4800	UJ
4-Chlorophenyl-phenylether	4900	U	4800	U	3800	U	4800	U	4800	U
4-Methylphenol	4900	U	4800	U	3800	U	4800	U	4800	U
4-Nitroaniline	12000	U	12000	U	9600	U	12000	U	12000	U
4-Nitrophenol	12000	UJ	12000	U	9600	U	12000	U	12000	U
Acenaphthene	4900	U	4800	U	3800	U	4800	U	4800	U
Acenaphthylene	4900	U	4800	U	3800	U	4800	U	4800	U
Anthracene	4900	U	4800	U	3800	U	4800	U	4800	U
Benzo(a)anthracene	1000	J	4800	U	2400	J	700	J	720	J
Benzo(a)pyrene	1200	J	4800	U	2600	J	810	J	770	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-FP-2033-0.502-01		APB-FP-2033-000.5-01		APB-SD-2030-01		CMW-FP-2026-0.502-01		CMW-FP-2026-000 5-01	
Sample Location	APB-FP-2033		APB-FP-2033		APB-FP-2030		CMW-FP-2026		CMW-FP-2026	
Interval	0 5-2 0		0 0-0 5		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	10/28/99		10/28/99		10/22/99		10/28/99		10/28/99	
QC Identifier	None		None		None		None		Field Dup CMW-FP-2026-000 5-01	
Benzo(b)fluoranthene	1500	J	580	J	3200	J	690	J	930	J
Benzo(g,h,i)perylene	4900	U	4800	U	1500	J	4800	U	4800	U
Benzo(k)fluoranthene	1500	J	670	J	2300	J	900	J	930	J
Bis(2-Chloroethoxy)methane	4900	U	4800	U	3800	U	4800	U	4800	U
Bis(2-Chloroethyl)ether	4900	U	4800	U	3800	U	4800	U	4800	U
bis(2-Ethylhexyl)phthalate	4900	U	4800	U	770	J	4800	UJ	4800	UJ
Butylbenzylphthalate	4900	U	4800	U	460	J	4800	UJ	660	J
Carbazole	4900	U	4800	U	3800	U	4800	U	4800	U
Chrysene	1700	J	690	J	3600	J	890	J	1000	J
Di-n-Butylphthalate	4900	U	4800	U	3800	U	4800	U	4800	U
Di-n-octylphthalate	4900	U	4800	UJ	3800	U	4800	UJ	4800	U
Dibenzo(a,h)anthracene	4900	U	4800	U	570	J	4800	U	4800	U
Dibenzofuran	4900	U	4800	U	3800	U	4800	U	4800	U
Diethylphthalate	4900	U	4800	U	3800	U	4800	U	4800	U
Dimethylphthalate	4900	U	4800	U	3800	U	4800	U	4800	U
Fluoranthene	2500	J	840	J	5800		1200	J	1800	J
Fluorene	4900	U	4800	U	3800	U	4800	U	4800	U
Hexachlorobenzene	4900	U	4800	U	3800	U	4800	U	4800	U
Hexachlorobutadiene	4900	U	4800	U	3800	U	4800	U	4800	U
Hexachlorocyclopentadiene	4900	UJ	4800	U	3800	U	4800	UJ	4800	UJ
Hexachloroethane	4900	U	4800	U	3800	U	4800	U	4800	U
Indeno(1,2,3-cd)pyrene	950	J	4800	U	1700	J	660	J	630	J
Isophorone	4900	U	4800	U	3800	U	4800	U	4800	U
N-Nitroso-di-n-propylamine	4900	U	4800	UJ	3800	U	4800	U	4800	U
N-Nitroso-diphenylamine	4900	U	4800	U	3800	U	4800	U	4800	U
Naphthalene	4900	U	4800	U	3800	U	4800	U	4800	U
Nitrobenzene	4900	U	4800	U	3800	U	4800	U	4800	U
Pentachlorophenol	12000	UJ	12000	UJ	9600	U	12000	UJ	12000	UJ
Phenanthrene	810	J	4800	U	2900	J	510	J	820	J
Phenol	4900	U	4800	U	3800	U	4800	U	4800	U
Pyrene	2300	J	630	J	4400		1400	J	1400	J
Total PAH	1600		65		3900		1000		1000	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-FP-2033-0.502-01		APB-FP-2033-000.5-01		APB-SD-2030-01		CMW-FP-2026-0.502-01		CMW-FP-2026-000.5-01	
Sample Location	APB-FP-2033		APB-FP-2033		APB-FP-2030		CMW-FP-2026		CMW-FP-2026	
Interval	0 5-2 0		0 0-0 5		0.0-0.5		0 5-2 0		0 0-0 5	
Date Sampled	10/28/99		10/28/99		10/22/99		10/28/99		10/28/99	
QC Identifier	None		None		None		None		Field Dup. CMW-FP-2026-000 5-01	
Pesticide/PCB Analysis (UG/KG)	D00942		D00941		D00881		D00930		D00929	
4,4'-DDD	40	J	4 8	U	3 8	U	4 8	U	5 2	U
4,4'-DDE	43		4 8	U	3 8	U	4 8	U	5 2	U
4,4'-DDT	6 2	J	4 8	U	3 8	U	4 8	U	5 8	J
Aldrin	2 5	U	2 5	U	1 9	U	2 5	U	2 7	UJ
alpha-BHC	2 5	U	2 5	U	1 9	U	2 5	U	2 7	U
alpha-Chlordane	8 7		7 0		14		2 5	U	5 5	J
Aroclor, Total	1500		150		160		22		337	
Aroclor-1016	49	U	48	U	38	U	48	U	52	U
Aroclor-1221	99	U	98	U	76	U	98	U	110	U
Aroclor-1232	49	U	48	U	38	U	48	U	52	U
Aroclor-1242	49	U	48	U	38	U	48	U	52	U
Aroclor-1248	49	U	48	U	38	U	48	U	67	J
Aroclor-1254	1500		150		160		22	J	270	
Aroclor-1260	49	U	48	U	38	U	48	U	52	U
beta-BHC	2 5	U	2 5	U	1 9	U	2 5	U	2 7	U
delta-BHC	2 5	U	2 5	U	1 9	U	2 5	U	2 7	U
Dieldrin	100		23		3 8	U	4 8	U	5 2	UJ
Endosulfan I	2 5	U	2 5	U	1 9	U	2 5	U	2 7	U
Endosulfan II	18		4 8	U	3 8	U	4 8	U	30	J
Endosulfan Sulfate	4 9	U	4 8	U	3 8	U	4 8	U	5 3	
Endrin	4 9	U	13		3 8	U	4 8	U	5 2	UJ
Endrin Aldehyde	4 9	U	4 8	U	3 8	U	4 8	U	5 2	U
Endrin Ketone	4 9	U	4 8	U	3 8	U	4 8	U	5 2	U
gamma-BHC	2.5	U	2 5	U	1 9	UJ	2 5	U	2 7	UJ
gamma-Chlordane	25		7 7		14		2 5	U	7 1	J
Heptachlor	2 5	U	2 5	U	1 9	U	2 5	U	2 7	U
Heptachlor Epoxide	5 4		2 5	U	1 9	U	2 5	U	2 7	U
Methoxychlor	25	U	25	U	19	U	25	U	27	U
Toxaphene	250	U	250	U	190	U	250	U	270	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-FP-2033-0.502-01		APB-FP-2033-000.5-01		APB-SD-2030-01		CMW-FP-2026-0.502-01		CMW-FP-2026-000.5-01	
Sample Location	APB-FP-2033		APB-FP-2033		APB-FP-2030		CMW-FP-2026		CMW-FP-2026	
Interval	0.5-2.0		0.0-0.5		0.0-0.5		0.5-2.0		0.0-0.5	
Date Sampled	10/28/99		10/28/99		10/22/99		10/28/99		10/28/99	
QC Identifier	None		None		None		None		Field Dup. CMW-FP-2026-000.5-01	
Dioxin Analysis (NG/KG)	D00942		D00941				D00930		D00929	
1,2,3,4,6,7,8-HpCDD	665	J	1150	J		NA	305		734	J
1,2,3,4,6,7,8-HpCDF	460	J	347	J		NA	2470	$	397	J
1,2,3,4,7,8,9-HpCDF	18.5	J	18.1	J		NA	30.1		19.9	J
1,2,3,4,7,8-HxCDD	14.5	J	22.1	J		NA	8.1		15.3	J
1,2,3,4,7,8-HxCDF	75.4	J	50.5	J		NA	95.3		56.0	J
1,2,3,6,7,8-HxCDD	46.5	J	62.1	J		NA	35.2		46.7	J
1,2,3,6,7,8-HxCDF	58.5	J	31.9	J		NA	92.5		37.5	J
1,2,3,7,8,9-HxCDD	49.0	J	59.7	J		NA	29.9		42.0	J
1,2,3,7,8,9-HxCDF	99.2	J	46.3	J		NA	83.7		45.2	J
1,2,3,7,8-PeCDD	25.2	J	22.2	J		NA	7.9		22.8	J
1,2,3,7,8-PeCDF	128	EMPC	23.1	EMPC		NA	133	EMPC	49.4	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	585.93	J	323.12	J		NA	65.75	J	1046.07	J
2,3,4,6,7,8-HxCDF	4.5	UJ	0.90	UJ		NA	1.4	U	1.7	UJ
2,3,4,7,8-PeCDF	44.8	J	26.8	J		NA	25.4		25.0	J
2,3,7,8-TCDD	3950	$J	4060	$J		NA	352		16380	J
2,3,7,8-TCDF	79.3	J	60.5	J		NA	29.9		53.5	J
OCDD	3190	$JEB	7780	$JEB		NA	1410	JEB	5260	JEB
OCDF	428	JEB	606	JEB		NA	1310	JEB	479	JEB
Total HpCDD	1400	J	2240	J		NA	624	J	1470	J
Total HpCDF	838	J	788	J		NA	3750	$J	851	J
Total HxCDD	480	JEB	490	JEB		NA	357	JEB	415	JEB
Total HxCDF	1570	J	765	J		NA	2210	J	850	J
Total PeCDD	178	J	151	J		NA	88.7	J	170	J
Total PeCDF	1680	J	697	J		NA	841	J	692	J
Total TCDD	3950	$J	4230	J$		NA	387	J	16890	J
Total TCDF	1660	J	912	J		NA	404	J	732	J
Toxicity Equivalency	4060		4150			NA	445		16500	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-FP-2033-0.502-01		APB-FP-2033-000.5-01		APB-SD-2030-01		CMW-FP-2026-0.502-01		CMW-FP-2026-000.5-01	
Sample Location	APB-FP-2033		APB-FP-2033		APB-FP-2030		CMW-FP-2026		CMW-FP-2026	
Interval	0.5-2.0		0.0-0.5		0.0-0.5		0.5-2.0		0.0-0.5	
Date Sampled	10/28/99		10/28/99		10/22/99		10/28/99		10/28/99	
QC Identifier	None		None		None		None		Field Dup. CMW-FP-2026-000.5-01	
TAL Metal Analysis (MG/KG)	**D00942**		**D00941**		**D00881**		**D00930**		**D00929**	
Aluminum	15100		15400		6440		12600		11500	
Antimony	3.3	J	2.5	J	0.80	U	10.7	J	2.6	UJ
Arsenic	9.4		5.3		4.0		13.3		11.6	J
Barium	186		207		120		139		154	
Beryllium	1.6		2.2		1.5		2.0		1.7	
Cadmium	3.5		4.9		0.09	U	0.47	U	0.06	U
Calcium	2370	J	1550	J	778		766	J	689	J
Chromium	176		157		93.9		331		209	
Cobalt	13.4		10.1		6.6		4.8		4.7	
Copper	179		218		81.5		193		229	
Iron	21400		21500		13400		13900		24000	
Lead	854		1090		174		674		421	
Magnesium	4820	J	4820	J	1270		1520	J	1770	J
Manganese	373		235		677		107		152	
Mercury	0.75		0.40		0.18		1.1		0.46	
Nickel	83.2		53.8		19.9		23.5		22.4	
Potassium	2010	J	1340	J	636		716	J	800	J
Selenium	1.1	U	1.3	U	1.2	U	1.8	J	0.93	U
Silver	5.8		6.1		4.9		4.3		8.4	
Sodium	280	J	342	J	34.4	J	87.3	UJ		R
Thallium	0.50	U	0.60	U	0.60	J	0.67	U	0.43	UJ
Vanadium	57.0		49.2		32.5		37.6		111	J
Zinc	1270	J	517	J	154		304	J	164	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-FP-2033-0.502-01		APB-FP-2033-000.5-01		APB-SD-2030-01		CMW-FP-2026-0.502-01		CMW-FP-2026-000 5-01	
Sample Location	APB-FP-2033		APB-FP-2033		APB-FP-2030		CMW-FP-2026		CMW-FP-2026	
Interval	0.5-2.0		0 0-0 5		0.0-0.5		0.5-2.0		0 0-0.5	
Date Sampled	10/28/99		10/28/99		10/22/99		10/28/99		10/28/99	
QC Identifier	None		None		None		None		Field Dup. CMW-FP-2026-000 5-01	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)			D00941		D00881				D00929	
Acid Volatile Sulfide		NA	5 88385		0 0575	U		NA	0 11962	U
Cadmium		NA	0 01399	J		R		NA	0 00273	U
Copper		NA	2 46601		1 33754	J		NA	2 92955	
Lead		NA	3.23622		0 69459			NA	1 64239	
Mercury		NA	0 00008	U	0 00043			NA	0 00023	
Nickel		NA	0.47085	J	1 23749	J		NA	0 31295	J
SEM/AVS			1.71958		81.12411				55.54547	
Simultaneously Extracted Metal		NA	10 11778		4 66502			NA	6 64434	
Zinc		NA	3.93068		1.3934			NA	1.76047	
Total Organic Carbon Analysis (MG/KG)			D00941		D00881				D00929	
Total Organic Carbon		NA	81200		54500			NA	90400	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-DU-102899A		CMW-FP-2026-000.5-01-MAX		CMW-FP-2026-0204-01		CMW-FP-2027-01	
Sample Location	CMW-FP-2026		CMW-FP-2026		CMW-FP-2026		CMW-FP-2027	
Interval	0.0-0.5		0.0-0.5		2.0-4.0		0.0-0.5	
Date Sampled	10/28/99		10/28/99		10/28/99		10/28/99	
QC Identifier	Field Dup. CMW-FP-2026-000.5-01		Field Dup. CMW-FP-2026-000.5-01		None		None	
Semivolatile Organic Analysis (UG/KG)	D00933		D00933		D00931		D00932	
1,2,4-Trichlorobenzene	5000	U	5000	U	410	U	4500	U
1,2-Dichlorobenzene	5000	U	5000	U	410	U	4500	U
1,3-Dichlorobenzene	5000	U	5000	U	410	U	4500	U
1,4-Dichlorobenzene	5000	U	5000	U	410	U	4500	U
2,2'-oxybis(1-Chloropropane)	5000	U	5000	U	410	U	4500	U
2,4,5-Trichlorophenol	12000	U	12000	U	1000	U	11000	U
2,4,6-Trichlorophenol	5000	U	5000	U	410	UJ	4500	UJ
2,4-Dichlorophenol	5000	U	5000	U	410	U	4500	U
2,4-Dimethylphenol	5000	UJ	4800	U	410	U	4500	U
2,4-Dinitrophenol	12000	UJ	12000	U	1000	U	11000	U
2,4-Dinitrotoluene	5000	U	5000	U	410	U	4500	U
2,6-Dinitrotoluene	5000	U	5000	U	410	U	4500	U
2-Chloronaphthalene	5000	U	5000	U	410	U	4500	U
2-Chlorophenol	5000	U	5000	U	410	U	4500	U
2-Methylnaphthalene	5000	U	5000	U	410	U	4500	U
2-Methylphenol	5000	U	5000	U	410	U	4500	U
2-Nitroaniline	12000	UJ	12000	U	1000	U	11000	U
2-Nitrophenol	5000		5000		410	U	4500	U
3,3'-Dichlorobenzidine	5000	UJ	5000	U	410	UJ	4500	UJ
3-Nitroaniline	12000	U	12000	U	1000	U	11000	U
4,6-Dinitro-2-methylphenol	12000	UJ	12000	U	1000	U	11000	U
4-Bromophenyl-phenylether	5000	U	5000	U	410	U	4500	U
4-Chloro-3-methylphenol	5000	U	5000	U	410	U	4500	U
4-Chloroaniline	5000	U	5000	U	410	UJ	4500	UJ
4-Chlorophenyl-phenylether	5000	U	5000	U	410	U	4500	U
4-Methylphenol	5000	U	5000	U	410	U	4500	U
4-Nitroaniline	12000	U	12000	U	1000	U	11000	U
4-Nitrophenol	12000	U	12000	U	1000	U	11000	U
Acenaphthene	5000	U	5000	U	410	U	4500	U
Acenaphthylene	5000	U	5000	U	410	U	4500	U
Anthracene	5000	U	5000	U	410	U	4500	U
Benzo(a)anthracene	830	J	830		410	U	950	J
Benzo(a)pyrene	780	J	780		410	U	1000	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-DU-102899A		CMW-FP-2026-000.5-01-MAX		CMW-FP-2026-0204-01		CMW-FP-2027-01	
Sample Location	CMW-FP-2026		CMW-FP-2026		CMW-FP-2026		CMW-FP-2027	
Interval	0.0-0.5		0.0-0.5		2.0-4.0		0.0-0.5	
Date Sampled	10/28/99		10/28/99		10/28/99		10/28/99	
QC Identifier	Field Dup. CMW-FP-2026-000.5-01		Field Dup. CMW-FP-2026-000.5-01		None		None	
Benzo(b)fluoranthene	1500	J	1500		410	U	1000	J
Benzo(g,h,i)perylene	5000	U	5000	U	410	U	4500	U
Benzo(k)fluoranthene	790	J	930		410	U	1400	J
Bis(2-Chloroethoxy)methane	5000	U	5000	U	410	U	4500	U
Bis(2-Chloroethyl)ether	5000	U	5000	U	410	U	4500	U
bis(2-Ethylhexyl)phthalate	5000	U	5000	U	410	U	4500	U
Butylbenzylphthalate	5000	U	5000	U	410	UJ	4500	UJ
Carbazole	5000	U	5000	U	410	U	4500	U
Chrysene	1200	J	1200		410	U	1300	J
Di-n-Butylphthalate	5000	UJ	4800	U	410	U	4500	U
Di-n-octylphthalate	5000	UJ	4800	U	410	UJ	4500	UJ
Dibenzo(a,h)anthracene	5000	U	5000	U	410	U	4500	U
Dibenzofuran	5000	U	5000	U	410	U	4500	U
Diethylphthalate	5000	U	5000	U	410	U	4500	U
Dimethylphthalate	5000	U	5000	U	410	U	4500	U
Fluoranthene	2000	J	2000		410	U	2300	J
Fluorene	5000	U	5000	U	410	U	4500	U
Hexachlorobenzene	5000	U	5000	U	410	U	4500	U
Hexachlorobutadiene	5000	U	5000	U	410	U	4500	U
Hexachlorocyclopentadiene	5000	U	5000	U	410	UJ	4500	UJ
Hexachloroethane	5000	U	5000	U	410	U	4500	U
Indeno(1,2,3-cd)pyrene	740	J	740		410	U	820	J
Isophorone	5000	U	5000	U	410	U	4500	U
N-Nitroso-di-n-propylamine	5000	UJ	4800	U	410	U	4500	U
N-Nitroso-diphenylamine	5000	U	5000	U	410	U	4500	U
Naphthalene	5000	U	5000	U	410	U	4500	U
Nitrobenzene	5000	U	5000	U	410	U	4500	U
Pentachlorophenol	12000	UJ	12000	U	1000	UJ	11000	UJ
Phenanthrene	1000	J	1000		410	U	1100	J
Phenol	5000	U	5000	U	410	U	4500	U
Pyrene	1700	J	1700		410	U	2100	J
Total PAH	1100		1100		410	U	1300	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-DU-102899A		CMW-FP-2026-000.5-01-MAX		CMW-FP-2026-0204-01		CMW-FP-2027-01	
Sample Location	CMW-FP-2026		CMW-FP-2026		CMW-FP-2026		CMW-FP-2027	
Interval	0.0-0.5		0.0-0.5		2.0-4.0		0.0-0.5	
Date Sampled	10/28/99		10/28/99		10/28/99		10/28/99	
QC Identifier	Field Dup. CMW-FP-2026-000.5-01		Field Dup. CMW-FP-2026-000.5-01		None		None	
Pesticide/PCB Analysis (UG/KG)	D00933		D00933		D00931		D00932	
4,4'-DDD	4.9	U	5.2	U	R		5.6	J
4,4'-DDE	4.9	U	5.2	U	R		4.6	UJ
4,4'-DDT	4.9	U	4.9	U	R		4.6	UJ
Aldrin	2.5	U	2.5	U	R		2.4	UJ
alpha-BHC	2.5	U	2.7	U	R		2.4	UJ
alpha-Chlordane	2.5	U	2.5	U	R		15	J
Aroclor, Total	180		49		U		400	
Aroclor-1016	49	U	52	U	R		46	UJ
Aroclor-1221	99	U	110	U	R		93	UJ
Aroclor-1232	49	U	52	U	R		46	UJ
Aroclor-1242	49	U	52	U	R		46	UJ
Aroclor-1248	49	U	49	U	R		46	UJ
Aroclor-1254	180		270		R		400	J
Aroclor-1260	49	U	52	U	R		46	UJ
beta-BHC	2.5	U	2.7	U	R		2.4	UJ
delta-BHC	2.5	U	2.7	U	R		2.4	UJ
Dieldrin	23		23		R		41	J
Endosulfan I	2.5	U	2.7	U	R		2.4	UJ
Endosulfan II	4.9	U	4.9	U	R		4.6	UJ
Endosulfan Sulfate	4.9	U	5.3		R		4.6	UJ
Endrin	13		13		R		4.6	UJ
Endrin Aldehyde	4.9	U	5.2	U	R		4.6	UJ
Endrin Ketone	4.9	U	5.2	U	R		4.6	UJ
gamma-BHC	2.5	U	2.5	U	R		2.4	UJ
gamma-Chlordane	2.5	U	2.5	U	R		19	J
Heptachlor	2.5	U	2.7	U	R		2.4	UJ
Heptachlor Epoxide	2.5	U	2.7	U	R		3.8	J
Methoxychlor	25	U	27	U	R		24	UJ
Toxaphene	250	U	270	U	R		240	UJ

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-DU-102899A		CMW-FP-2026-000.5-01-MAX		CMW-FP-2026-0204-01		CMW-FP-2027-01	
Sample Location	CMW-FP-2026		CMW-FP-2026		CMW-FP-2026		CMW-FP-2027	
Interval	0 0-0 5		0 0-0 5		2 0-4 0		0 0-0 5	
Date Sampled	10/28/99		10/28/99		10/28/99		10/28/99	
QC Identifier	Field Dup CMW-FP-2026-000 5-01		Field Dup CMW-FP-2026-000 5-01		None		None	
Dioxin Analysis (NG/KG)	D00933		D00929		D00931		D00932	
1,2,3,4,6,7,8-HpCDD	721	J	734		6.5		1150	J
1,2,3,4,6,7,8-HpCDF	295	J	397		28.2		272	J
1,2,3,4,7,8,9-HpCDF	14 3	J	19 9		1.0	U	15 3	J
1,2,3,4,7,8-HxCDD	12 4	J	15 3		0 80	U	14 0	EMPC
1,2,3,4,7,8-HxCDF	41 5	J	56 0		2 6	J	40 5	J
1,2,3,6,7,8-HxCDD	34 0	J	46 7		1 0	EMPC	57 1	J
1,2,3,6,7,8-HxCDF	29 1	J	37 5		1 7	J	25 3	J
1,2,3,7,8,9-HxCDD	38 4	J	42 0		1 4	J	51 9	J
1,2,3,7,8,9-HxCDF	32 1	J	45 2		1 4	J	28 5	J
1,2,3,7,8-PeCDD	16 6	J	22 8		0 60	U	15 4	J
1,2,3,7,8-PeCDF	42 9	EMPC	49 4		2 6	J	50 5	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	2132 78	J	2132 78		0 93	J	432	J
2,3,4,6,7,8-HxCDF	3 0	UJ	3 0	U	0 50	U	1 7	UJ
2,3,4,7,8-PeCDF	21 0	J	25 0		1 3	J	17 7	J
2,3,7,8-TCDD	16110	J	16380		24 7		4960	$J
2,3,7,8-TCDF	45 3	J	53 5		2 3		35 5	J
OCDD	6660	JEB	6660		32 8	EB	7860	$JEB
OCDF	469	JEB	479		12 7	EB	567	JEB
Total HpCDD	1610	J	1610		15 5	J	2320	J
Total HpCDF	674	J	851		43 7	J	619	J
Total HxCDD	354	JEB	415		8 7	JEB	426	JEB
Total HxCDF	670	J	850		24 4	J	575	J
Total PeCDD	117	J	170		7 0	J	97 1	J
Total PeCDF	602	J	692		16 8	J	397	J
Total TCDD	16560	J	16890		27 8	J	5060	$J
Total TCDF	604	J	732		13 0	J	388	J
Toxicity Equivalency	16200		16500		27 2		5030	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-DU-102899A		CMW-FP-2026-000.5-01-MAX		CMW-FP-2026-0204-01		CMW-FP-2027-01	
Sample Location	CMW-FP-2026		CMW-FP-2026		CMW-FP-2026		CMW-FP-2027	
Interval	0.0-0.5		0.0-0.5		2.0-4.0		0.0-0.5	
Date Sampled	10/28/99		10/28/99		10/28/99		10/28/99	
QC Identifier	Field Dup. CMW-FP-2026-000.5-01		Field Dup. CMW-FP-2026-000.5-01		None		None	
TAL Metal Analysis (MG/KG)	D00933		D00933		D00931		D00932	
Aluminum	11500		11500		3370		8030	
Antimony	3.6	J	3.6		0.76	UJ	1.5	J
Arsenic	10.9		10.9		0.71	U	3.3	
Barium	155		155		15.5		156	
Beryllium	1.7		1.7		0.57		1.5	
Cadmium	0.10	U	0.10	U	0.08	U		R
Calcium	825	J	825		496	J	1110	J
Chromium	211		211		10.3		120	
Cobalt	4.3		4.7		1.9	J	4.7	
Copper	230		230		5.4		111	
Iron	23200		24000		3850		24300	
Lead	434		434		24.4		712	
Magnesium	1740	J	1770		358	J	1890	J
Manganese	156		156		41.9		197	
Mercury	0.45		0.46		0.03		0.48	
Nickel	23.6		23.6		4.6		26.0	
Potassium	823	J	823		193	J	610	J
Selenium	1.4	U	1.4	U	1.2	U	0.77	U
Silver	7.2		8.4		0.84		6.6	
Sodium	75.7	UJ	75.7	U	55.7	UJ	154	UJ
Thallium	0.63	U	0.63	U	0.53		0.35	U
Vanadium	93.8		93.8		6.8		38.3	J
Zinc	148	J	164		186	J	199	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-DU-102899A		CMW-FP-2026-000.5-01-MAX		CMW-FP-2026-0204-01		CMW-FP-2027-01	
Sample Location	CMW-FP-2026		CMW-FP-2026		CMW-FP-2026		CMW-FP-2027	
Interval	0.0-0.5		0.0-0.5		2.0-4.0		0.0-0.5	
Date Sampled	10/28/99		10/28/99		10/28/99		10/28/99	
QC Identifier	Field Dup. CMW-FP-2026-000.5-01		Field Dup. CMW-FP-2026-000.5-01		None		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)			D00929				D00932	
Acid Volatile Sulfide		NA	0.11962	U		NA	1.03038	
Cadmium		NA	0.00273	U		NA	0.00763	J
Copper		NA	2.92955			NA	1.76912	
Lead		NA	1.64239			NA	2.54239	
Mercury		NA	0.00023			NA	0.00005	
Nickel		NA	0.31295			NA	0.65436	J
SEM/AVS			55.54547				7.69248	
Simultaneously Extracted Metal		NA	6.64434			NA	7.92618	
Zinc		NA	1.76047			NA	2.95263	
Total Organic Carbon Analysis (MG/KG)			D00929				D00932	
Total Organic Carbon		NA	90400			NA	69200	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2017-01		CMW-DU-102799A		CMW-SD-2017-01-MAX		CMW-SD-2021-01		CMW-SD-2022-0.502-01	
Sample Location	CMW-SD-2017		CMW-SD-2017		CMW-SD-2017		CMW-SD-2021		CMW-SD-2022	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.5-2.0	
Date Sampled	10/27/99		10/27/99		10/27/99		10/26/99		10/27/99	
QC Identifier	Field Dup. CMW-SD-2017-01		Field Dup. CMW-SD-2017-01		Field Dup. CMW-SD-2017-01		None		None	
Semivolatile Organic Analysis (UG/KG)	D00912				D00912		D00902		D00921	
1,2,4-Trichlorobenzene	870	U		NA	870	U	2100	U	4200	U
1,2-Dichlorobenzene	870	U		NA	870	U	2100	U	4200	U
1,3-Dichlorobenzene	870	U		NA	870	U	2100	U	4200	U
1,4-Dichlorobenzene	870	U		NA	870	U	2100	U	4200	U
2,2'-oxybis(1-Chloropropane)	870	U		NA	870	U	2100	U	4200	U
2,4,5-Trichlorophenol	2200	U		NA	2200	U	5200	U	11000	U
2,4,6-Trichlorophenol	870	U		NA	870	U	2100	U	4200	U
2,4-Dichlorophenol	870	U		NA	870	U	2100	U	4200	U
2,4-Dimethylphenol	870	U		NA	870	U	2100	U	4200	UJ
2,4-Dinitrophenol	2200	UJ		NA	2200	U	5200	UJ	11000	UJ
2,4-Dinitrotoluene	870	U		NA	870	U	2100	U	4200	U
2,6-Dinitrotoluene	870	U		NA	870	U	2100	U	4200	U
2-Chloronaphthalene	870	U		NA	870	U	2100	U	4200	U
2-Chlorophenol	870	U		NA	870	U	2100	U	4200	U
2-Methylnaphthalene	870	U		NA	870	U	2100	U	4200	U
2-Methylphenol	870	U		NA	870	U	2100	U	4200	U
2-Nitroaniline	2200	U		NA	2200	U	5200	U	11000	UJ
2-Nitrophenol	870	U		NA	870	U	2100	U	4200	U
3,3'-Dichlorobenzidine	870	UJ		NA	870	U	2100	UJ	4200	UJ
3-Nitroaniline	2200	U		NA	2200	U	5200	U	11000	U
4,6-Dinitro-2-methylphenol	2200	U		NA	2200	U	5200	U	11000	UJ
4-Bromophenyl-phenylether	870	U		NA	870	U	2100	U	4200	U
4-Chloro-3-methylphenol	870	U		NA	870	U	2100	U	4200	U
4-Chloroaniline	870	U		NA	870	U	2100	U	4200	U
4-Chlorophenyl-phenylether	870	U		NA	870	U	2100	U	4200	U
4-Methylphenol	870	U		NA	870	U	2100	U	4200	U
4-Nitroaniline	2200	U		NA	2200	U	5200	U	11000	U
4-Nitrophenol	2200	UJ		NA	2200	U	5200	UJ	11000	U
Acenaphthene	870	U		NA	870	U	2100	U	4200	U
Acenaphthylene	870	U		NA	870	U	2100	U	4200	U
Anthracene	180	J		NA	180		280	J	4200	U
Benzo(a)anthracene	1400			NA	1400		2000	J	2200	J
Benzo(a)pyrene	1600			NA	1600		2200		1900	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2017-01		CMW-DU-102799A		CMW-SD-2017-01-MAX		CMW-SD-2021-01		CMW-SD-2022-0 502-01	
Sample Location	CMW-SD-2017		CMW-SD-2017		CMW-SD-2017		CMW-SD-2021		CMW-SD-2022	
Interval	0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5		0 5-2 0	
Date Sampled	10/27/99		10/27/99		10/27/99		10/26/99		10/27/99	
QC Identifier	Field Dup. CMW-SD-2017-01		Field Dup. CMW-SD-2017-01		Field Dup. CMW-SD-2017-01		None		None	
Benzo(b)fluoranthene	1700				NA	1700		2700		1800	J
Benzo(g,h,i)perylene	990				NA	990		1700	J	1200	J
Benzo(k)fluoranthene	1600				NA	1600		2400		2000	J
Bis(2-Chloroethoxy)methane	870	U			NA	870	U	2100	U	4200	U
Bis(2-Chloroethyl)ether	870	U			NA	870	U	2100	U	4200	U
bis(2-Ethylhexyl)phthalate	870	U			NA	870	U	2100	UJ	4200	U
Butylbenzylphthalate	240	J			NA	240		660	J	470	J
Carbazole	320	J			NA	320		270	J	4200	U
Chrysene	2200				NA	2200		3400		2900	J
Di-n-Butylphthalate	120	J			NA	120		2100	U	4200	UJ
Di-n-octylphthalate	870	UJ			NA	870	U	2100	UJ	4200	UJ
Dibenzo(a,h)anthracene	540	J			NA	540		640	J	590	J
Dibenzofuran	870	U			NA	870	U	2100	U	4200	U
Diethylphthalate	870	U			NA	870	U	2100	U	4200	U
Dimethylphthalate	870	U			NA	870	U	2100	U	4200	U
Fluoranthene	4200				NA	4200		5500		4300	
Fluorene	870	U			NA	870	U	230	J	4200	U
Hexachlorobenzene	870	U			NA	870	U	2100	U	4200	U
Hexachlorobutadiene	870	UJ			NA	870	U	2100	UJ	4200	U
Hexachlorocyclopentadiene	870	U			NA	870	U	2100	U	4200	U
Hexachloroethane	870	U			NA	870	U	2100	U	4200	U
Indeno(1,2,3-cd)pyrene	1400				NA	1400		1600	J	1300	J
Isophorone	870	U			NA	870	U	2100	U	4200	U
N-Nitroso-di-n-propylamine	870	U			NA	870	U	2100	U	4200	UJ
N-Nitroso-diphenylamine	870	U			NA	870	U	2100	U	4200	U
Naphthalene	870	U			NA	870	U	2100	U	4200	U
Nitrobenzene	870	U			NA	870	U	2100	U	4200	U
Pentachlorophenol	2200	UJ			NA	2200	U	5200	UJ	11000	UJ
Phenanthrene	1800				NA	1800		1800	J	1400	J
Phenol	870	U			NA	870	U	2100	U	4200	U
Pyrene	3200				NA	3200		4800		5000	
Total PAH	2600				NA	2600		3500		3000	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2017-01		CMW-DU-102799A		CMW-SD-2017-01-MAX		CMW-SD-2021-01		CMW-SD-2022-0.502-01	
Sample Location	CMW-SD-2017		CMW-SD-2017		CMW-SD-2017		CMW-SD-2021		CMW-SD-2022	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.5-2.0	
Date Sampled	10/27/99		10/27/99		10/27/99		10/26/99		10/27/99	
QC Identifier	Field Dup. CMW-SD-2017-01		Field Dup. CMW-SD-2017-01		Field Dup. CMW-SD-2017-01		None		None	
Pesticide/PCB Analysis (UG/KG)	D00912				D00912		D00902		D00921	
4,4'-DDD	4.4	U		NA	4.4	U	4.4	U	4.6	U
4,4'-DDE	4.4	U		NA	4.4	U	4.4	U	4.6	U
4,4'-DDT	4.4	U		NA	4.4	U	4.7		4.6	U
Aldrin	2.2	U		NA	2.2	U	2.3	U	2.4	U
alpha-BHC	2.2	U		NA	2.2	U	2.3	U	2.4	U
alpha-Chlordane	6.5			NA	6.5		10		3.4	
Aroclor, Total	88	U		NA	88	U	870		2070	
Aroclor-1016	44	U		NA	44	U	44	U	46	U
Aroclor-1221	88	U		NA	88	U	89	U	94	U
Aroclor-1232	44	U		NA	44	U	44	U	46	U
Aroclor-1242	44	U		NA	44	U	44	U	46	U
Aroclor-1248	44	U		NA	44	U	330		570	
Aroclor-1254	44	U		NA	44	U	540		1500	
Aroclor-1260	44	U		NA	44	U	44	U	46	U
beta-BHC	2.2	U		NA	2.2	U	32		2.4	U
delta-BHC	2.2	U		NA	2.2	U	2.3	U	2.4	U
Dieldrin	4.4	U		NA	4.4	U	4.4	U	4.6	U
Endosulfan I	2.2	U		NA	2.2	U	2.3	U	2.4	U
Endosulfan II	4.4	U		NA	4.4	U	51		170	
Endosulfan Sulfate	4.4	U		NA	4.4	U	5.4		5.7	
Endrin	4.4	U		NA	4.4	U	4.4	U	7.7	
Endrin Aldehyde	4.4	U		NA	4.4	U	4.4	U	4.6	U
Endrin Ketone	4.4	U		NA	4.4	U	4.4	U	4.6	U
gamma-BHC	2.2	U		NA	2.2	U	2.3	U	2.4	U
gamma-Chlordane	6.4			NA	6.4		22		13	
Heptachlor	2.2	U		NA	2.2	U	2.3	U	2.4	U
Heptachlor Epoxide	2.2	U		NA	2.2	U	2.3	U	2.4	U
Methoxychlor	22	U		NA	22	U	23	U	24	U
Toxaphene	220	U		NA	220	U	230	U	240	U

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

Sample Number	CMW-SD-2017-01		CMW-DU-102799A		CMW-SD-2017-01-MAX		CMW-SD-2021-01		CMW-SD-2022-0 502-01	
Sample Location	CMW-SD-2017		CMW-SD-2017		CMW-SD-2017		CMW-SD-2021		CMW-SD-2022	
Interval	0 0-0 5		0 0-0 5		0.0-0 5		0.0-0 5		0.5-2 0	
Date Sampled	10/27/99		10/27/99		10/27/99		10/26/99		10/27/99	
QC Identifier	Field Dup. CMW-SD-2017-01		Field Dup. CMW-SD-2017-01		Field Dup. CMW-SD-2017-01		None		None	
Dioxin Analysis (NG/KG)	D00912				D00912		D00902		D00921	
1,2,3,4,6,7,8-HpCDD	541			NA	541		2140	$	380	
1,2,3,4,6,7,8-HpCDF	106			NA	106		377		150	
1,2,3,4,7,8,9-HpCDF	6 0			NA	6.0		21 7		8 8	
1,2,3,4,7,8-HxCDD	9 1			NA	9.1		30 8		7 4	
1,2,3,4,7,8-HxCDF	6 7			NA	6.7		34 2		24 9	
1,2,3,6,7,8-HxCDD	26 1			NA	26 1		104		21 1	
1,2,3,6,7,8-HxCDF	5 7			NA	5.7		27 1	J	18 3	
1,2,3,7,8,9-HxCDD	23 1			NA	23.1		91 3		25 6	
1,2,3,7,8,9-HxCDF	8 0			NA	8.0		0 70	U	20 4	
1,2,3,7,8-PeCDD	5 3			NA	5.3		14 8		6 3	
1,2,3,7,8-PeCDF	6 7			NA	6.7		13 6	EMPC	8 2	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U		NA		NA	6341 4	J$	17 46	J
2,3,4,6,7,8-HxCDF	0 60	U		NA	0.60	U	37 5		1 0	U
2,3,4,7,8-PeCDF	2 4	J		NA	2.4		16 2		11 1	
2,3,7,8-TCDD	2 3			NA	2.3		2000	$	186	
2,3,7,8-TCDF	3.7			NA	3.7		36 0		17 6	
OCDD	3350	EB		NA	3350		11350	EB$	2560	EB
OCDF	191	EB		NA	191		645	EB	163	EB
Total HpCDD	956	J		NA	956		3570	J$	768	J
Total HpCDF	244	J		NA	244		913	J	291	J
Total HxCDD	158	JEB		NA	158		644	J	211	JEB
Total HxCDF	129	J		NA	129		620	J	350	J
Total PeCDD	20 2	J		NA	20.2		52 0	J	39 3	J
Total PeCDF	51 6	J		NA	51.6		354	J	290	J
Total TCDD	5.0	J		NA	5.0		2000	J$	213	J
Total TCDF	23 4	J		NA	23.4		379	J	209	J
Toxicity Equivalency	24 3			NA	24.3		2090		218	

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

Sample Number	CMW-SD-2017-01		CMW-DU-102799A		CMW-SD-2017-01-MAX		CMW-SD-2021-01		CMW-SD-2022-0.502-01	
Sample Location	CMW-SD-2017		CMW-SD-2017		CMW-SD-2017		CMW-SD-2021		CMW-SD-2022	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.5-2.0	
Date Sampled	10/27/99		10/27/99		10/27/99		10/26/99		10/27/99	
QC Identifier	Field Dup. CMW-SD-2017-01		Field Dup. CMW-SD-2017-01		Field Dup. CMW-SD-2017-01		None		None	
TAL Metal Analysis (MG/KG)	D00912				D00912		D00902		D00921	
Aluminum	3260			NA	3260		10200		3210	
Antimony	0.72	UJ		NA	0.72	U	1.0	UJ	1.1	UJ
Arsenic	1.8			NA	1.8		5.6	J	2.2	
Barium	38.6			NA	38.6		99.7	J	69.3	
Beryllium	0.44	U		NA	0.44	U	0.87		0.53	U
Cadmium	0.08	U		NA	0.08	U	2.6	J	0.51	
Calcium	895	J		NA	895		4530	J	666	J
Chromium	16.4			NA	16.4		48.1		57.1	
Cobalt	3.0			NA	3.0		7.3		2.4	J
Copper	21.7			NA	21.7		126	J	31.2	
Iron	10700			NA	10700		28800		4960	
Lead	146			NA	146		558		138	
Magnesium	1130	J		NA	1130		3060	J	701	J
Manganese	376			NA	376		269		52.1	
Mercury	0.23			NA	0.23		0.27		0.93	
Nickel	6.3			NA	6.3		32.9		3.7	
Potassium	456	J		NA	456		1290	J	369	J
Selenium	1.1	U		NA	1.1	U	0.95	U	1.3	U
Silver	2.6			NA	2.6		7.5		2.0	U
Sodium	71.8	UJ		NA	71.8	U	274	J	105	UJ
Thallium	0.50	U		NA	0.50	U	0.43	UJ	0.61	U
Vanadium	11.3			NA	11.3		49.7	J	10.3	
Zinc	160	J		NA	160		587	J	227	J

Summary of Sediment/Soil Analytical Results
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Sample Number	CMW-SD-2017-01		CMW-DU-102799A		CMW-SD-2017-01-MAX		CMW-SD-2021-01		CMW-SD-2022-0.502-01	
Sample Location	CMW-SD-2017		CMW-SD-2017		CMW-SD-2017		CMW-SD-2021		CMW-SD-2022	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.5-2.0	
Date Sampled	10/27/99		10/27/99		10/27/99		10/26/99		10/27/99	
QC Identifier	Field Dup. CMW-SD-2017-01		Field Dup. CMW-SD-2017-01		Field Dup. CMW-SD-2017-01		None		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)	D00912		D00913		D00912		D00902			
Acid Volatile Sulfide	0.0489	U	0.06011	U	0.06011	U	314.55588			NA
Cadmium	0.00112	U		R	0.00112	U	0.0288	J		NA
Copper	0.2961		0.4069		0.4069		1.52811			NA
Lead	0.46342		0.65408		0.65408		2.47161			NA
Mercury	0.00003	U	0.00004	U	0.00004	U	0.00008	U		NA
Nickel	0.09766	J	0.14879	J	0.14879		6.85786	J		NA
SEM/AVS	55.49112		62.17703		62.17703		0.06548			
Simultaneously Extracted Metal	2.71352		3.73775		3.73775		20.59823			NA
Zinc	1.85527		2.52639		2.52639		9.71184			NA
Total Organic Carbon Analysis (MG/KG)	D00912		D00913		D00912		D00902			
Total Organic Carbon	19300		19100		19300		105000			NA

Summary of Sediment/Soil Analytical Results
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Sample Number	CMW-SD-2022-022.5-01		RAB-FP-3004-01		RCC-FP-3001-01		RCC-FP-3002-01	
Sample Location	CMW-SD-2022		RAB-FP-3004		RCC-FP-3001		RCC-FP-3002	
Interval	2.0-2.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/27/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		None		None		None	
Semivolatile Organic Analysis (UG/KG)	D00922		D01050		D01045		D01040	
1,2,4-Trichlorobenzene	860	U	480	UJ	2500	U	9900	U
1,2-Dichlorobenzene	860	U	480	U	2500	U	9900	U
1,3-Dichlorobenzene	860	U	480	U	2500	U	9900	U
1,4-Dichlorobenzene	860	U	480	UJ	2500	U	9900	U
2,2'-oxybis(1-Chloropropane)	860	U	480	U	2500	U	9900	U
2,4,5-Trichlorophenol	2200	U	1200	U	6200	U	25000	U
2,4,6-Trichlorophenol	860	UJ	480	U	2500	U	9900	U
2,4-Dichlorophenol	860	U	480	U	2500	U	9900	U
2,4-Dimethylphenol	860	U	480	U	2500	U	9900	U
2,4-Dinitrophenol	2200	U	1200	U	6200	UJ	25000	UJ
2,4-Dinitrotoluene	860	U	480	U	2500	U	9900	U
2,6-Dinitrotoluene	860	U	480	U	2500	U	9900	U
2-Chloronaphthalene	860	U	480	U	2500	U	9900	U
2-Chlorophenol	860	U	480	U	2500	U	9900	U
2-Methylnaphthalene	860	U	480	U	2500	U	9900	U
2-Methylphenol	860	U	480	U	2500	U	9900	U
2-Nitroaniline	2200	U	1200	U	6200	U	25000	U
2-Nitrophenol	860	UJ	480	U	2500	U	9900	U
3,3'-Dichlorobenzidine	860	UJ	480	U	2500	U	9900	U
3-Nitroaniline	2200	U	1200	U	6200	U	25000	U
4,6-Dinitro-2-methylphenol	2200	U	1200	U	6200	U	25000	U
4-Bromophenyl-phenylether	860	U	480	U	2500	U	9900	U
4-Chloro-3-methylphenol	860	U	480	U	2500	U	9900	U
4-Chloroaniline	860	UJ	480	U	2500	U	9900	U
4-Chlorophenyl-phenylether	860	U	480	U	2500	U	9900	U
4-Methylphenol	860	U	480	U	2500	U	9900	U
4-Nitroaniline	2200	U	1200	U	6200	U	25000	U
4-Nitrophenol	2200	U	1200	UJ	6200	U	25000	U
Acenaphthene	860	U	480	UJ	260	J	9900	U
Acenaphthylene	860	U	480	U	2500	U	9900	U
Anthracene	100	J	480	U	750	J	9900	U
Benzo(a)anthracene	1000		270	J	3500		1200	J
Benzo(a)pyrene	1200		320	J	3100		1500	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2022-022.5-01		RAB-FP-3004-01		RCC-FP-3001-01		RCC-FP-3002-01	
Sample Location	CMW-SD-2022		RAB-FP-3004		RCC-FP-3001		RCC-FP-3002	
Interval	2.0-2.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/27/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		None		None		None	
Benzo(b)fluoranthene	620	J	390	J	3100		1700	J
Benzo(g,h,i)perylene	590	J	280	J	1600	J	1200	J
Benzo(k)fluoranthene	930		310	J	3600		1400	J
Bis(2-Chloroethoxy)methane	860	U	480	U	2500	U	9900	U
Bis(2-Chloroethyl)ether	860	U	480	U	2500	U	9900	U
bis(2-Ethylhexyl)phthalate	860	UJ	480	U	2500	U	9900	U
Butylbenzylphthalate	860	UJ	480	UJ	540	J	9900	U
Carbazole	860	U	480	U	520	J	9900	U
Chrysene	1100		430	J	4100		1800	J
Di-n-Butylphthalate	860	U	63	JEB	470	JEB	9900	U
Di-n-octylphthalate	860	U	480	UJ	2500	U	9900	U
Dibenzo(a,h)anthracene	220	J	100	J	2500	U	9900	U
Dibenzofuran	860	U	480	U	2500	U	9900	U
Diethylphthalate	860	U	480	U	2500	U	9900	U
Dimethylphthalate	860	U	480	U	2500	U	9900	U
Fluoranthene	1500		840		7000		2300	J
Fluorene	860	U	480	U	400	J	9900	U
Hexachlorobenzene	860	U	480	U	2500	U	9900	U
Hexachlorobutadiene	860	U	480	U	2500	U	9900	U
Hexachlorocyclopentadiene	860	UJ	480	U	2500	U	9900	U
Hexachloroethane	860	U	480	U	2500	U	9900	U
Indeno(1,2,3-cd)pyrene	550	J	270	J	1700	J	1200	J
Isophorone	860	U	480	U	2500	U	9900	U
N-Nitroso-di-n-propylamine	860	U	480	U	2500	U	9900	U
N-Nitroso-diphenylamine	860	U	480	U	2500	U	9900	U
Naphthalene	860	U	480	U	2500	U	9900	U
Nitrobenzene	860	U	480	U	2500	U	9900	U
Pentachlorophenol	2200	UJ	1200	UJ	6200	U	25000	U
Phenanthrene	310	J	300	J	4500		1200	J
Phenol	860	U	480	U	2500	U	9900	U
Pyrene	2500		590	J	6500		2400	J
Total PAH	1600		520		4000		1900	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2022-022.5-01		RAB-FP-3004-01		RCC-FP-3001-01		RCC-FP-3002-01	
Sample Location	CMW-SD-2022		RAB-FP-3004		RCC-FP-3001		RCC-FP-3002	
Interval	2.0-2.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/27/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		None		None		None	
Pesticide/PCB Analysis (UG/KG)	D00922		D01050		D01045		D01040	
4,4'-DDD	4.3	U	4.8	U	4.9	U	5.0	U
4,4'-DDE	4.3	U	4.8	U	4.9	U	5.0	U
4,4'-DDT	4.3	U	4.8	U	4.9	U	5.6	
Aldrin	2.2	U	2.4	UJ	2.5	U	2.6	U
alpha-BHC	2.2	U	2.4	U	2.5	U	2.6	U
alpha-Chlordane	2.2	U	2.4	U	3.2		4.9	
Aroclor, Total	237		27		120		480	
Aroclor-1016	43	U	48	U	49	U	50	U
Aroclor-1221	87	U	96	U	99	U	100	U
Aroclor-1232	43	U	48	U	49	U	50	U
Aroclor-1242	43	U	48	U	49	U	50	U
Aroclor-1248	57		48	U	49	U	50	U
Aroclor-1254	180		27	J	120		380	
Aroclor-1260	43	U	48	U	49	U	100	
beta-BHC	2.2	U	2.4	U	2.5	U	2.6	U
delta-BHC	2.2	U	2.4	U	2.5	U	2.6	U
Dieldrin	4.3	U	4.8	UJ	4.9	U	5.0	U
Endosulfan I	2.2	U	2.4	U	2.5	U	2.6	U
Endosulfan II	4.3	U	4.8	U	4.9	U	5.0	U
Endosulfan Sulfate	4.3	U	4.8	U	4.9	U	5.0	U
Endrin	4.3	U	4.8	UJ	4.9	U	5.0	U
Endrin Aldehyde	19		4.8	U	4.9	U	5.0	U
Endrin Ketone	4.3	U	4.8	U	4.9	U	5.0	U
gamma-BHC	2.2	U	2.4	UJ	2.5	U	2.6	U
gamma-Chlordane	2.2	U	2.4	U	2.9		7.8	
Heptachlor	2.2	U	2.4	UJ	2.5	U	2.6	U
Heptachlor Epoxide	2.2	U	2.4	U	2.5	U	2.6	U
Methoxychlor	22	U	24	U	25	U	26	U
Toxaphene	220	U	240	U	250	U	260	U

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

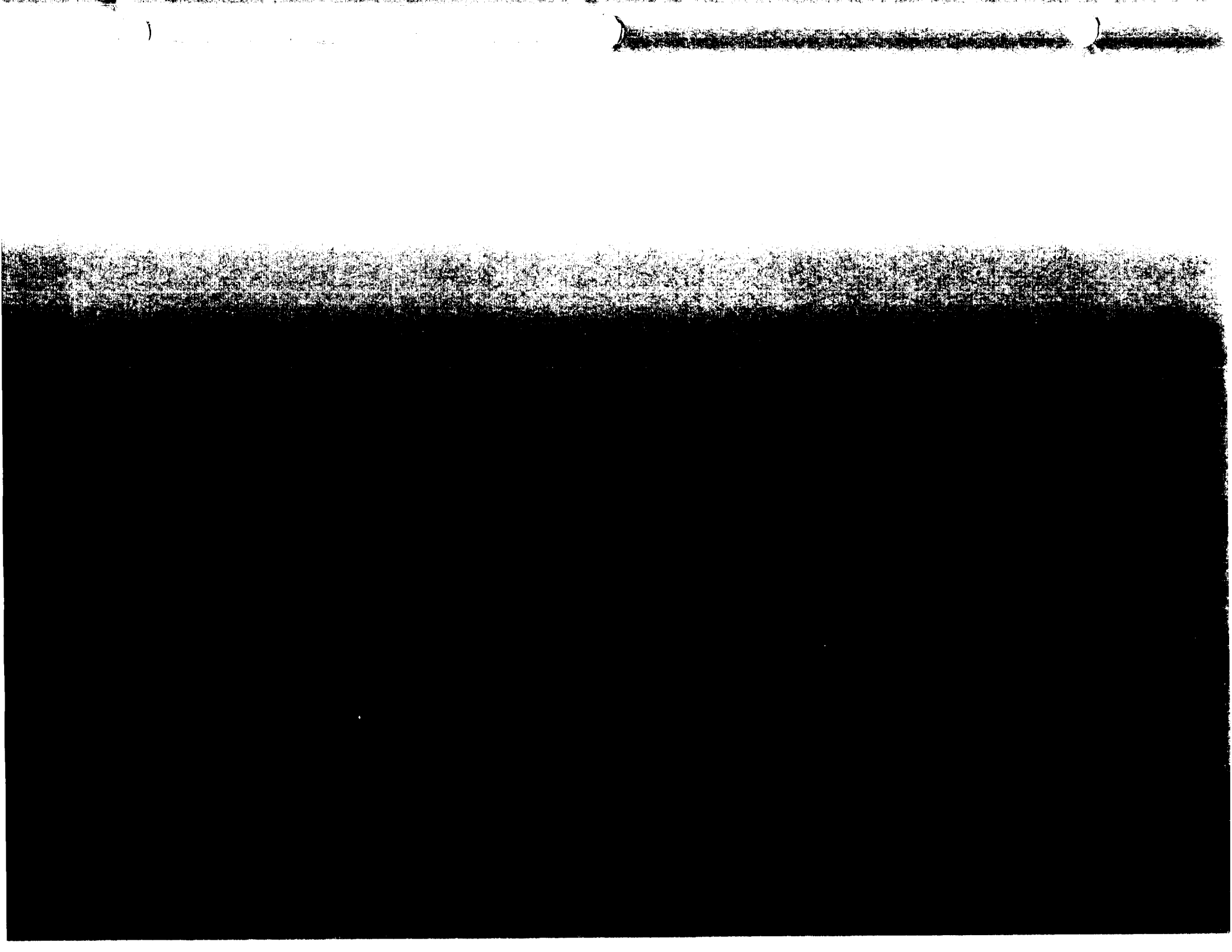
Sample Number	CMW-SD-2022-022.5-01		RAB-FP-3004-01		RCC-FP-3001-01		RCC-FP-3002-01	
Sample Location	CMW-SD-2022		RAB-FP-3004		RCC-FP-3001		RCC-FP-3002	
Interval	2.0-2.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/27/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		None		None		None	
Dioxin Analysis (NG/KG)	D00922		D01050		D01045		D01040	
1,2,3,4,6,7,8-HpCDD	19.3	J	76.6		444		1470	
1,2,3,4,6,7,8-HpCDF	12.4	J	17.1		192		533	
1,2,3,4,7,8,9-HpCDF	3.3	UJ	1.2	EMPC	10.8		26.7	
1,2,3,4,7,8-HxCDD	2.6	UJ	1.7	U	7.1		25.3	
1,2,3,4,7,8-HxCDF	3.1	J	3.1	U	25.7		73.9	
1,2,3,6,7,8-HxCDD	2.4	UJ	4.1	J	23.4		85.3	
1,2,3,6,7,8-HxCDF	1.8	J	1.6	U	17.0		50.3	
1,2,3,7,8,9-HxCDD	2.5	UJ	4.3	U	24.9		68.7	
1,2,3,7,8,9-HxCDF	2.5	J	0.30	U	1.4	EMPC	3.2	U
1,2,3,7,8-PeCDD	1.6	UJ	1.0	U	3.5	EMPC	13.1	
1,2,3,7,8-PeCDF	1.8	EMPC	0.88	U	5.1	U	15.4	
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U	0.00	U	4.77	J	14.5	J
2,3,4,6,7,8-HxCDF	1.6	UJ	2.0	U	19.0		61.9	
2,3,4,7,8-PeCDF	1.6	J	1.1	U	9.5		26.9	
2,3,7,8-TCDD	8.9	J	0.76	J	2.9		86.6	
2,3,7,8-TCDF	3.4	J	2.3		17.5		69.3	
OCDD	137	JEB	637	JEB	3460	JEB	10920	J$EB
OCDF	12.9	JEB	35.5		344		611	
Total HpCDD	39.0	J	157	J	883	J	2940	J
Total HpCDF	20.6	J	35.9	J	413	J	1300	J
Total HxCDD	5.6	JEB	32.5	EMPC	195	J	655	J
Total HxCDF	16.7	J	28.0	EMPC	282	J	1020	J
Total PeCDD	1.6	UJ	8.1	EMPC	10.2	UJ	99.1	J
Total PeCDF	13.4	J	16.3	EMPC	198	J	557	J
Total TCDD	8.9	J	1.4	J	27.2	J	147	J
Total TCDF	14.2	J	7.3	J	168	J	636	J
Toxicity Equivalency	12.5		3.9		31.7		179	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2022-022.5-01		RAB-FP-3004-01		RCC-FP-3001-01		RCC-FP-3002-01	
Sample Location	CMW-SD-2022		RAB-FP-3004		RCC-FP-3001		RCC-FP-3002	
Interval	2.0-2.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/27/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		None		None		None	
TAL Metal Analysis (MG/KG)	D00922		D01050		D01045		D01040	
Aluminum	2160		11100		8990		16100	
Antimony	0.63	UJ	0.88	UJ	2.3	J	4.3	J
Arsenic	1.3		3.4		6.3		13.5	
Barium	17.5		102		199		245	
Beryllium	0.38	U	1.8		2.3		4.1	
Cadmium	0.07	U	0.14	UJ	0.21	J	1.1	J
Calcium	417	UJ	2660	J	1710	J	1870	J
Chromium	11.3		14.1		143		271	
Cobalt	1.4	J	7.9	J	10.4	J	8.9	J
Copper	10.9		13.5		112		436	
Iron	3590		20700		22700		23800	
Lead	32.6		37.4		228		570	
Magnesium	490	J	2000	J	1420	J	2360	J
Manganese	35.7		1590		1990		503	
Mercury	0.55		0.05	UJ	0.30	J	0.53	J
Nickel	1.3	U	9.9		26.2		261	
Potassium	255	UJ	1580		836		1250	
Selenium	0.96	U	2.2	J	2.6	J	3.6	J
Silver	0.96	U	6.5		7.4		9.2	
Sodium	45.1	UJ	143	U	87.3	U	254	
Thallium	0.44	U	0.97	U	1.0	U	1.4	U
Vanadium	6.3		20.9		47.3		129	
Zinc	39.4	J	85.9	J	302	J	376	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2022-022.5-01		RAB-FP-3004-01		RCC-FP-3001-01		RCC-FP-3002-01	
Sample Location	CMW-SD-2022		RAB-FP-3004		RCC-FP-3001		RCC-FP-3002	
Interval	2.0-2.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/27/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		None		None		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)			D01050		D01045		D01040	
Acid Volatile Sulfide		NA	0.15		0.14		0.12	U
Cadmium		NA	0.002	U		R	0.017	J
Copper		NA	0.21	J	1.55	J	5.92	J
Lead		NA	0.145		0.967		2.52	
Mercury		NA	0.00009		0.00031		0.00032	
Nickel		NA	0.51	J	0.45	J	4.41	J
SEM/AVS			12.58		43.74		149.5	
Simultaneously Extracted Metal		NA	1.93		6.28		18.37	
Zinc		NA	1.07	J	3.32	J	5.5	J
Total Organic Carbon Analysis (MG/KG)			D01050		D01045		D01040	
Total Organic Carbon		NA	37000		74000		109000	



Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0 502-01		APB-SD-2029-000 5-01		APB-SD-DU-102999A		APB-SD-2029-000 5-01-MAX	
Sample Location	APB-SD-2029		APB-SD-2029		APB-SD-2029		APB-SD-2029	
Interval	0.5-2.0		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/29/99		10/29/99		10/29/99		10/29/99	
QC Identifier	None		Field Dup. APB-SD-2029-000 5-01		Field Dup. APB-SD-2029-000 5-01		Field Dup. APB-SD-2029-000 5-01	
Semivolatile Organic Analysis (UG/KG)	D00948		D00947		D00949		D00949	
1,1'-Biphenyl		NA		NA		NA		NA
1,2,4-Trichlorobenzene	480	U	450	U	480	U	480	U
1,2-Dichlorobenzene	480	U	450	U	480	U	480	U
1,3-Dichlorobenzene	480	U	450	U	480	U	480	U
1,4-Dichlorobenzene	480	U	450	U	480	U	480	U
2,2'-oxybis(1-Chloropropane)	480	U	450	U	480	U	480	U
2,4,5-Trichlorophenol	1200	U	1100	U	1200	U	1200	U
2,4,6-Trichlorophenol	480	UJ	450	U	480	UJ	450	U
2,4-Dichlorophenol	480	U	450	U	480	U	480	U
2,4-Dimethylphenol	480	U	450	U	480	U	480	U
2,4-Dinitrophenol	1200	U		R	1200	U	1200	U
2,4-Dinitrotoluene	480	U	450	U	480	U	480	U
2,6-Dinitrotoluene	480	U	450	U	480	U	480	U
2-Chloronaphthalene	480	U	450	U	480	U	480	U
2-Chlorophenol	480	U	450	U	480	U	480	U
2-Methylnaphthalene	480	U	450	U	480	U	480	U
2-Methylphenol	480	U	450	U	480	U	480	U
2-Nitroaniline	1200	U	1100	U	1200	U	1200	U
2-Nitrophenol	480	U	450	U	480	U	480	U
3,3'-Dichlorobenzidine	480	UJ	450	U	480	UJ	450	U
3-Nitroaniline	1200	U	1100	U	1200	U	1200	U
4,6-Dinitro-2-methylphenol	1200	U	1100	UJ	1200	U	1200	U
4-Bromophenyl-phenylether	480	U	450	U	480	U	480	U
4-Chloro-3-methylphenol	480	U	450	U	480	U	480	U
4-Chloroaniline	480	UJ	450	U	480	UJ	450	U
4-Chlorophenyl-phenylether	480	U	450	U	480	U	480	U
4-Methylphenol	480	U	450	U	480	U	480	U
4-Nitroaniline	1200	U	1100	UJ	1200	U	1200	U
4-Nitrophenol	1200	U	1100	UJ	1200	U	1200	U
Acenaphthene	480	U	450	U	480	U	480	U
Acenaphthylene	480	U	450	U	480	U	480	U
Acetophenone		NA		NA		NA		NA
Anthracene	49	J	47	J	480	U	480	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0 502-01		APB-SD-2029-000 5-01		APB-SD-DU-102999A		APB-SD-2029-000 5-01-MAX	
Sample Location	APB-SD-2029		APB-SD-2029		APB-SD-2029		APB-SD-2029	
Interval	0 5-2 0		0 0-0 5		0 0-0 5		0 0-0 5	
Date Sampled	10/29/99		10/29/99		10/29/99		10/29/99	
QC Identifier	None		Field Dup APB-SD-2029-000 5-01		Field Dup APB SD 2029 000 5 01		Field Dup APB SD 2029 000 5 01	
Atrazine		NA		NA		NA		NA
Benzaldehyde		NA		NA		NA		NA
Benzo(a)anthracene	130	J	160	J	220	J	220	
Benzo(a)pyrene	83	J	140	J	120	J	140	
Benzo(b)fluoranthene	78	J	140	J	180	J	180	
Benzo(g,h,i)perylene	480	U	100	J	480	U	480	U
Benzo(k)fluoranthene	140	J	140	J	240	J	240	
Bis(2-Chloroethoxy)methane	480	U	450	U	480	U	480	U
Bis(2-Chloroethyl)ether	480	U	450	U	480	U	480	U
bis(2-Ethylhexyl)phthalate	480	UJ	450	U	480	U	480	U
Butylbenzylphthalate	480	UJ	450	U	480	UJ	450	U
Caprolactam		NA		NA		NA		NA
Carbazole	480	U	450	U	480	U	480	U
Chrysene	140	J	190	J	270	J	270	
Di-n-Butylphthalate	480	U	450	U	480	U	480	U
Di-n-octylphthalate	480	UJ	450	U	480	UJ	450	U
Dibenzo(a,h)anthracene	480	U	48	J	71	J	71	
Dibenzofuran	480	U	450	U	480	U	480	U
Diethylphthalate	480	U	450	U	480	U	480	U
Dimethylphthalate	480	U	450	U	480	U	480	U
Fluoranthene	320	J	350	J	500		500	
Fluorene	480	U	450	U	480	U	480	U
Hexachlorobenzene	480	U	450	U	480	U	480	U
Hexachlorobutadiene	480	U	450	U	480	U	480	U
Hexachlorocyclopentadiene	480	UJ	450	UJ	480	UJ	480	U
Hexachloroethane	480	U	450	U	480	U	480	U
Indeno(1,2,3-cd)pyrene	480	U	92	J	91	J	92	
Isophorone	480	U	450	U	480	U	480	U
N-Nitroso-di-n-propylamine	480	U	450	U	480	U	480	U
N-Nitroso-diphenylamine	480	U	450	U	480	U	480	U
Naphthalene	480	U	450	U	480	U	480	U
Nitrobenzene	480	U	450	U	480	U	480	U
Pentachlorophenol	1200	UJ	1100	UJ	1200	UJ	1200	U
Phenanthrene	170	J	190	J	220	J	220	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0.502-01		APB-SD-2029-000.5-01		APB-SD-DU-102999A		APB-SD-2029-000.5-01-MAX	
Sample Location	APB-SD-2029		APB-SD-2029		APB-SD-2029		APB-SD-2029	
Interval	0.5-2.0		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/29/99		10/29/99		10/29/99		10/29/99	
QC Identifier	None		Field Dup. APB-SD-2029-000.5-01		Field Dup. APB-SD-2029-000.5-01		Field Dup. APB-SD-2029-000.5.01	
Phenol	480	U	450	U	480	U	480	U
Pyrene	230	J	300	J	390	J	390	
Total PAH	110		230		240		260	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0 502-01		APB-SD-2029-000 5-01		APB-SD-DU-102999A		APB-SD-2029-000 5-01-MAX	
Sample Location	APB-SD-2029		APB-SD-2029		APB-SD-2029		APB-SD-2029	
Interval	0 5-2 0		0 0-0 5		0.0-0 5		0 0-0 5	
Date Sampled	10/29/99		10/29/99		10/29/99		10/29/99	
QC Identifier	None		Field Dup. APB-SD-2029-000 5-01		Field Dup APB-SD-2029-000 5-01		Field Dup APB-SD-2029-000 5-01	
Pesticide/PCB Analysis (UG/KG)	D00946		D00947		D00949		D00947	
4,4'-DDD	4 9	U	4 6	U	4 9	U	4 9	U
4,4'-DDE	4 9	U	4 6	U	4 9	U	4 9	U
4,4'-DDT	4 9	U	4 6	U	4 9	U	4 9	U
Aldrin	2 5	U	2 4	U	2 5	U	2 5	U
alpha-BHC	2 5	U	2 4	U	2 5	U	2 5	U
alpha-Chlordane	2 5	U	2 4	U	2 5	U	2 5	U
Aroclor, Total	100	U	24		21		24	
Aroclor-1016	49	U	46	U	49	U	49	U
Aroclor-1221	100	U	93	U	99	U	99	U
Aroclor-1232	49	U	46	U	49	U	49	U
Aroclor-1242	49	U	46	U	49	U	49	U
Aroclor-1248	49	U	46	U	49	U	49	U
Aroclor-1254	49	U	24	J	21	J	24	
Aroclor-1260	49	U	46	U	49	U	49	U
beta-BHC	2 5	U	2 4	U	2 5	U	2 5	U
delta-BHC	2 5	U	2 4	U	2 5	U	2 5	U
Dieldrin	4 9	U	5 4		4 9		5 4	
Endosulfan I	2 5	U	2 4	U	2 5	U	2 5	U
Endosulfan II	4 9	U	4 6	U	4 9	U	4 9	U
Endosulfan Sulfate	4 9	U	4 6	U	4 9	U	4 9	U
Endrin	4 9	U	4 6	U	4 9	U	4 9	U
Endrin Aldehyde	4 9	U	4 6	U	4 9	U	4 9	U
Endrin Ketone	4 9	U	4 6	U	4 9	U	4 9	U
gamma-BHC	2 5	U	2 4	U	2 5	U	2 5	U
gamma-Chlordane	2 5	U	2 4	U	2 5	U	2 5	U
Heptachlor	2 5	U	2 4	U	2 5	U	2 5	U
Heptachlor Epoxide	2 5	U	2 4	U	2 5	U	2 5	U
Methoxychlor	25	U	24	U	25	U	25	U
Toxaphene	250	U	240	U	250	U	250	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0 502-01		APB-SD-2029-000 5-01		APB-SD-DU-102999A		APB-SD-2029-000 5-01-MAX	
Sample Location	APB-SD-2029		APB-SD-2029		APB-SD-2029		APB-SD-2029	
Interval	0 5-2 0		0 0-0 5		0 0-0 5		0 0-0 5	
Date Sampled	10/29/99		10/29/99		10/29/99		10/29/99	
QC Identifier	None		Field Dup. APB-SD-2029-000 5-01		Field Dup APB SD 2029-000 5-01		Field Dup APB SD 2029 000 5 01	
Dioxin Analysis (NG/KG)	D00946		D00947		D00949		D00949	
1,2,3,4,6,7,8-HpCDD	5 3		23 6	J	42 2	J	42 2	
1,2,3,4,6,7,8-HpCDF	1 3	J	8 5		14 1		14 1	
1,2,3,4,7,8,9-HpCDF	1 1	U	1 3	U	1 5	U	1 5	U
1,2,3,4,7,8-HxCDD	0 90	U	1 0	U	1 2	U	1 2	U
1,2,3,4,7,8-HxCDF	0 60	U	1 3	J	1 8	J	1 8	
1,2,3,6,7,8-HxCDD	0 80	U	1 4	J	2 1	J	2 1	
1,2,3,6,7,8-HxCDF	0 60	U	1 2	J	1 3	J	1 3	
1,2,3,7,8,9-HxCDD	0 90	U	1 7	J	2 3	J	2 3	
1,2,3,7,8,9-HxCDF	0 70	U	0 80	U	0 90	U	0 90	U
1,2,3,7,8-PeCDD	0 70	U	0 90	U	1 1	U	1 1	U
1,2,3,7,8-PeCDF	0 40	U	1 6	J	1 5	EMPC	1 6	
1,2,4,5,7,8-hexachloro(9H)xanthene	4 0	J	2340 81	J	171 15	J	2340 81	
2,3,4,6,7,8-HxCDF	0 60	U	1 3	J	1 8	J	1 8	
2,3,4,7,8-PeCDF	0 40	U	1 1	J	0 80	U	0 80	U
2,3,7,8-TCDD	56 7		326		252	$	326	
2,3,7,8-TCDF	0 40	U	1 4		1 9		1 9	
OCDD	31 0		149	J	259	J	259	
OCDF	3 1	J	12 5	J	22 4	J	22 4	
Total HpCDD	9 5	J	45 7	J	76 7	J	76 7	
Total HpCDF	3 2	J	17 7	J	36 2	J	36 2	
Total HxCDD	0 90	UJ	11 5	J	10 9	J	11 5	
Total HxCDF	2 2	J	23 4	J	38 0	J	38 0	
Total PeCDD	0 70	UJ	0 90	UJ	2 2	J	2 2	
Total PeCDF	0 96	EMPC	14 0	J	9 7	J	14 0	
Total TCDD	58 8	J	336	J	252	J$	336	
Total TCDF	1 8	J	12 3	J	16 5	J	16 5	
Toxicity Equivalency	57 5		328		255		328	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0 502-01		APB-SD-2029-000 5-01		APB-SD-DU-102999A		APB-SD-2029-000 5-01-MAX	
Sample Location	APB-SD-2029		APB-SD-2029		APB-SD-2029		APB-SD-2029	
Interval	0 5-2 0		0 0-0 5		0 0-0 5		0 0-0 5	
Date Sampled	10/29/99		10/29/99		10/29/99		10/29/99	
QC Identifier	None		Field Dup. APB-SD-2029-000 5-01		Field Dup. APB-SD-2029-000 5-01		Field Dup. APB SD 2029 000 5 01	
TAL Metal Analysis (MG/KG)	D00946		D00947		D00949		D00947	
Aluminum	2810		3770		3200		3770	
Antimony	0.84	UJ	0.98	UJ	0 70	UJ	0 98	U
Arsenic	0 78	U	0 92	U	0 65	U	0 92	U
Barium	18 4		27 6		22 9		27 6	
Beryllium	0 82		0 79		0 65		0 79	
Cadmium	0 09	U	0 10	U	0 07	U	0 10	U
Calcium	698	J	759	J	637	J	759	
Chromium	4 7		12 3		8 2		12 3	
Cobalt	1 4	U	2 7	J	2 3	J	2 7	
Copper	1 8	J	9 8		6 7		9 8	
Iron	3680		5650		4770		5650	
Lead	7 7		28 8		18 3		28 8	
Magnesium	396	J	615	J	534	J	615	
Manganese	127		144		125		144	
Mercury	0 02	J	0 04		0 04		0 04	
Nickel	1 7	U	3 7	J	2 5	J	3 7	
Potassium	169	J	261	J	261	J	261	
Selenium	1 3	U	1 5	U	1 1	U	1 5	U
Silver	0 45	U	0 52	U	0 50	J	0 52	U
Sodium	75 3	UJ	74 5	UJ	68 7	UJ	74 5	U
Thallium	0 59	U	0 69	U	0 49	U	0 69	U
Vanadium	6 5		8 5		7 4		8 5	
Zinc	20 7	UJ	57 6	J	50 7	J	57 6	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0.502-01		APB-SD-2029-000.5-01		APB-SD-DU-102999A		APB-SD-2029-000.5-01-MAX	
Sample Location	APB-SD-2029		APB-SD-2029		APB-SD-2029		APB-SD-2029	
Interval	0.5-2.0		0.0-0.5		0.0-0.5		0.0.0.5	
Date Sampled	10/29/99		10/29/99		10/29/99		10/29/99	
QC Identifier	None		Field Dup. APB-SD-2029-000.5-01		Field Dup. APB-SD-2029-000.5-01		Field Dup. APB-SD-2029-000.5-01	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)			D00947				D00947	
Acid Volatile Sulfide		NA	0.84681			NA	0.84681	
Cadmium		NA	0.00462	J		NA	0.00462	
Copper		NA	1.15334			NA	1.15334	
Lead		NA	0.96747			NA	0.96747	
Mercury		NA	0.00004	U		NA	0.00004	U
Nickel		NA	0.36738	J		NA	0.36738	
SEM/AVS			6.22787				6.22787	
Simultaneously Extracted Metal		NA	5.2738			NA	5.2738	
Zinc		NA	2.78099			NA	2.78099	
Total Organic Carbon Analysis (MG/KG)			D00947				D00947	
Total Organic Carbon		NA	21000			NA	21000	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0203-01		APB-SD-2034-01		APB-SD-2037-01		APC-SD-2035-0 502-01		APC-SD-2035-000 5-01	
Sample Location	APB-SD-2029		APB-SD-2034		APB-SD-2037		APC-SD-2035		APC-SD-2035	
Interval	2 0-3 0		0 0-0 5		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	10/29/99		11/3/99		10/22/99		11/3/99		11/3/99	
QC Identifier	None		None		None		None		None	
Semivolatile Organic Analysis (UG/KG)	D00948		D00981		D00882		D00984		D00983	
1,1'-Biphenyl		NA		NA		NA		NA		NA
1,2,4-Trichlorobenzene	400	U	4800	U	4100	U	9700	U	4800	U
1,2-Dichlorobenzene	400	U	4800	U	4100	U	9700	U	4800	U
1,3-Dichlorobenzene	400	U	4800	U	4100	U	9700	U	4800	U
1,4-Dichlorobenzene	400	U	4800	U	4100	U	9700	U	4800	U
2,2'-oxybis(1-Chloropropane)	400	U	4800	U	4100	U	9700	U	4800	U
2,4,5-Trichlorophenol	990	U	12000	U	10000	U	24000	U	12000	U
2,4,6-Trichlorophenol	400	UJ	4800	U	4100	U	9700	U	4800	U
2,4-Dichlorophenol	400	U	4800	U	4100	U	9700	U	4800	U
2,4-Dimethylphenol	400	U	4800	U	4100	U	9700	U	4800	U
2,4-Dinitrophenol	990	U		R		R	24000	UJ		R
2,4-Dinitrotoluene	400	U	4800	U	4100	U	9700	U	4800	U
2,6-Dinitrotoluene	400	U	4800	U	4100	U	9700	U	4800	U
2-Chloronaphthalene	400	U	4800	U	4100	U	9700	U	4800	U
2-Chlorophenol	400	U	4800	U	4100	U	9700	U	4800	U
2-Methylnaphthalene	400	U	4800	U	4100	U	9700	U	4800	U
2-Methylphenol	400	U	4800	U	4100	U	9700	U	4800	U
2-Nitroaniline	990	U	12000	UJ	10000	U	24000	UJ	12000	UJ
2-Nitrophenol	400	U	4800	U	4100	U	9700	U	4800	U
3,3'-Dichlorobenzidine	400	UJ	4800	U	4100	U	9700	U	4800	U
3-Nitroaniline	990	U	12000	U	10000	U	24000	U	12000	U
4,6-Dinitro-2-methylphenol	990	U	12000	UJ	10000	UJ	24000	UJ	12000	UJ
4-Bromophenyl-phenylether	400	U	4800	U	4100	U	9700	U	4800	U
4-Chloro-3-methylphenol	400	U	4800	U	4100	U	9700	U	4800	U
4-Chloroaniline	400	UJ	4800	U	4100	U	9700	U	4800	U
4-Chlorophenyl-phenylether	400	U	4800	U	4100	U	9700	U	4800	U
4-Methylphenol	400	U	4800	U	4100	U	9700	U	4800	U
4-Nitroaniline	990	U	12000	UJ	10000	U	24000	U	12000	UJ
4-Nitrophenol	990	U		R	10000	UJ	24000	UJ		R
Acenaphthene	400	U	4800	U	4100	U	9700	U	4800	U
Acenaphthylene	400	U	4800	U	4100	U	9700	U	4800	U
Acetophenone		NA		NA		NA		NA		NA
Anthracene	400	U	4800	U	4100	U	9700	U	4800	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0203-01		APB-SD-2034-01		APB-SD-2037-01		APC-SD-2035-0 502-01		APC-SD-2035-000 5-01	
Sample Location	APB-SD-2029		APB-SD-2034		APB-SD-2037		APC-SD-2035		APC-SD-2035	
Interval	2 0-3 0		0 0-0 5		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	10/29/99		11/3/99		10/22/99		11/3/99		11/3/99	
QC Identifier	None		None		None		None		None	
Atrazine		NA		NA		NA		NA		NA
Benzaldehyde		NA		NA		NA		NA		NA
Benzo(a)anthracene	400	U	1100	J	4100	U	9700	U	2300	J
Benzo(a)pyrene	400	U	1200	J	430	J	1100	J	1300	J
Benzo(b)fluoranthene	400	U	1500	J	550	J	1100	J	3200	J
Benzo(g,h,i)perylene	400	U	4800	U	4100	U	9700	U	4800	U
Benzo(k)fluoranthene	400	U	1500	J	470	J	1200	J	2400	J
Bis(2-Chloroethoxy)methane	400	U	4800	U	4100	U	9700	U	4800	U
Bis(2-Chloroethyl)ether	400	U	4800	U	4100	U	9700	U	4800	U
bis(2-Ethylhexyl)phthalate	400	UJ	800	J	4100	U	1000	J	1600	J
Butylbenzylphthalate	400	UJ	4800	U	4100	U	9700	U	4800	U
Caprolactam		NA		NA		NA		NA		NA
Carbazole	400	U	4800	U	4100	U	9700	U	4800	U
Chrysene	400	U	1700	J	580	J	1300	J	3100	J
Di-n-Butylphthalate	400	U	4800	U	4100	UJ	9700	U	4800	U
Di-n-octylphthalate	400	UJ	4800	U	4100	UJ	9700	U	4800	U
Dibenzo(a,h)anthracene	400	U	4800	U	4100	U	9700	U	820	J
Dibenzofuran	400	U	4800	U	4100	U	9700	U	4800	U
Diethylphthalate	400	U	4800	U	4100	U	9700	U	4800	U
Dimethylphthalate	400	U	4800	U	4100	U	9700	U	4800	U
Fluoranthene	46	J	3100	J	740	J	1900	J	4800	
Fluorene	400	U	4800	U	4100	U	9700	U	4800	U
Hexachlorobenzene	400	U	4800	U	4100	U	9700	U	4800	U
Hexachlorobutadiene	400	U	4800	U	4100	U	9700	U	4800	U
Hexachlorocyclopentadiene	400	UJ	4800	UJ	4100	UJ	9700	UJ	4800	UJ
Hexachloroethane	400	U	4800	U	4100	U	9700	U	4800	U
Indeno(1,2,3-cd)pyrene	400	U	830	J	4100	U	9700	U	1300	J
Isophorone	400	U	4800	U	4100	U	9700	U	4800	U
N-Nitroso-di-n-propylamine	400	U	4800	U	4100	U	9700	U	4800	U
N-Nitroso-diphenylamine	400	U	4800	U	4100	U	9700	U	4800	U
Naphthalene	400	U	4800	U	4100	U	9700	U	4800	U
Nitrobenzene	400	U	4800	U	4100	U	9700	U	4800	U
Pentachlorophenol	990	UJ	12000	UJ	10000	U	24000	U	12000	UJ
Phenanthrene	400	U	1200	J	4100	U	9700	U	2200	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0203-01		APB-SD-2034-01		APB-SD-2037-01		APC-SD-2035-0.502-01		APC-SD-2035-000 5-01	
Sample Location	APB-SD-2029		APB-SD-2034		APB-SD-2037		APC-SD-2035		APC-SD-2035	
Interval	2.0-3.0		0 0-0 5		0 0-0.5		0 5-2.0		0 0-0 5	
Date Sampled	10/29/99		11/3/99		10/22/99		11/3/99		11/3/99	
QC Identifier	None		None		None		None		None	
Phenol	400	U	4600	U	4100	U	9700	U	4800	U
Pyrene	400	U	2100	J	4100	U	1600	J	3500	J
Total PAH	400	U	1600		490		1200		2800	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0203-01		APB-SD-2034-01		APB-SD-2037-01		APC-SD-2035-0.502-01		APC-SD-2035-000.5-01	
Sample Location	APB-SD-2029		APB-SD-2034		APB-SD-2037		APC-SD-2035		APC-SD-2035	
Interval	2.0-3.0		0.0-0.5		0.0-0.5		0.5-2.0		0.0-0.5	
Date Sampled	10/29/99		11/3/99		10/22/99		11/3/99		11/3/99	
QC Identifier	None		None		None		None		None	
Pesticide/PCB Analysis (UG/KG)	D00948		D00981		D00882		D00984		D00983	
4,4'-DDD	3.9	U	4.8	U	4.0	U	4.7	U	4.7	U
4,4'-DDE	3.9	U	4.8	U	31		4.7	U	4.7	U
4,4'-DDT	3.9	U	4.8	U	4.0	U	4.7	U	4.7	U
Aldrin	2.0	U	2.5	U	2.1	U	2.4	U	2.4	U
alpha-BHC	2.0	U	2.5	U	2.1	U	2.4	U	2.4	U
alpha-Chlordane	2.0	U	2.7		5.3		2.8		4.1	
Aroclor, Total	79	U	136		1200		344		216	
Aroclor-1016	39	U	48	U	40	U	47	U	47	U
Aroclor-1221	79	U	97	U	82	U	96	U	96	U
Aroclor-1232	39	U	48	U	40	U	47	U	47	U
Aroclor-1242	39	U	48	U	40	U	47	U	47	U
Aroclor-1248	39	U	16	J	40	U	44	J	36	J
Aroclor-1254	39	U	120		1200		300		180	
Aroclor-1260	39	U	48	U	40	U	47	U	47	U
beta-BHC	2.0	U	2.5	U	2.1	U	2.4	U	2.4	U
delta-BHC	2.0	U	2.5	U	2.1	U	2.4	U	2.4	U
Dieldrin	3.9	U	4.8	U	4.0	U	4.7	U	4.7	U
Endosulfan I	2.0	U	2.5	U	2.1	U	2.4	U	2.4	U
Endosulfan II	3.9	U	8.2		88		22		13	
Endosulfan Sulfate	3.9	U	4.8	U	4.0	U	4.7	U	4.7	U
Endrin	3.9	U	4.8	U	4.0	U	4.7	U	4.7	U
Endrin Aldehyde	3.9	U	4.8	U	4.0	U	4.7	U	4.7	U
Endrin Ketone	3.9	U	4.8	U	4.0	U	4.7	U	4.7	U
gamma-BHC	2.0	U	2.5	U	2.1	UJ	2.4	U	2.4	U
gamma-Chlordane	2.0	U	4.1		9.1		5.5		6.3	
Heptachlor	2.0	U	2.5	U	2.1	U	2.4	U	2.4	U
Heptachlor Epoxide	2.0	U	2.5	U	2.1	U	2.4	U	2.4	U
Methoxychlor	20	U	25	U	21	U	24	U	24	U
Toxaphene	200	U	250	U	210	U	240	U	240	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0203-01		APB-SD-2034-01		APB-SD-2037-01		APC-SD-2035-0 502-01		APC-SD-2035-000 5-01	
Sample Location	APB-SD-2029		APB-SD-2034		APB-SD-2037		APC-SD-2035		APC-SD-2035	
Interval	2 0-3 0		0 0-0 5		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	10/29/99		11/3/99		10/22/99		11/3/99		11/3/99	
QC Identifier	None		None		None		None		None	
Dioxin Analysis (NG/KG)	D00948		D00981				D00984		D00983	
1,2,3,4,6,7,8-HpCDD	5 2		1120	J		NA	260		973	
1,2,3,4,6,7,8-HpCDF	1 5	J	377	J		NA	593		302	
1,2,3,4,7,8,9-HpCDF	1 6	U	20 9	J		NA	15 3		18 2	J
1,2,3,4,7,8-HxCDD	1 1	U	17 0	J		NA	5 7		12 8	
1,2,3,4,7,8-HxCDF	0 80	U	39 5	J		NA	36 9		39 7	
1,2,3,6,7,8-HxCDD	1 1	U	51 9	J		NA	20 1		41 4	
1,2,3,6,7,8-HxCDF	0 70	U	29 4	J		NA	32 5	J	26 5	J
1,2,3,7,8,9-HxCDD	1 1	U	52 5	J		NA	19 4		47 9	
1,2,3,7,8,9-HxCDF	0 80	U	2 8	J		NA	3 1	J	2 7	EMPC
1,2,3,7,8-PeCDD	1 0	U	11 8	J		NA	5 8		9 7	
1,2,3,7,8-PeCDF	0 60	U	11 5	J		NA	12 2		10 7	
1,2,4,5,7,8-hexachloro(9H)xanthene	0 00	U	3036 21	J		NA	717 71	J	3031 84	J
2,3,4,6,7,8-HxCDF	0 70	U	33 1	J		NA	33 2		35 7	
2,3,4,7,8-PeCDF	0 70	U	12 4	J		NA	12 1		14 3	
2,3,7,8-TCDD	36 4		2010	J$		NA	690	$	3110	$
2,3,7,8-TCDF	0.50	U	29 1	J		NA	23 4		27 5	
OCDD	28 1		3840	J$		NA	1620		6180	$
OCDF	2 5	U	618	J		NA	353		454	J
Total HpCDD	9 9	J	2190	J		NA	536	J	1850	J
Total HpCDF	3 8	J	824	J		NA	1040	J	702	J
Total HxCDD	1.1	UJ	402	J		NA	192	J	331	J
Total HxCDF	0 77	J	663	J		NA	699	J	616	J
Total PeCDD	1.0	UJ	84.2	J		NA	48.5	J	76.6	J
Total PeCDF	0.70	UJ	378	J		NA	373	J	371	J
Total TCDD	36.4	J	2010	J$		NA	690	J$	3110	J$
Total TCDF	0.50	UJ	322	J		NA	298	J	267	J
Toxicity Equivalency	37 5		2070			NA	729		3160	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0203-01		APB-SD-2034-01		APB-SD-2037-01		APC-SD-2035-0 502-01		APC-SD-2035-000 5-01	
Sample Location	APB-SD-2029		APB-SD-2034		APB-SD-2037		APC-SD-2035		APC-SD-2035	
Interval	2 0-3.0		0 0-0.5		0.0-0.5		0.5-2 0		0 0-0 5	
Date Sampled	10/29/99		11/3/99		10/22/99		11/3/99		11/3/99	
QC Identifier	None		None		None		None		None	
TAL Metal Analysis (MG/KG)	D00948		D00981		D00882		D00984		D00983	
Aluminum	2150		15100		14000		10800		11700	
Antimony	0 65	UJ	2 4	J	3 5		3 0	J	2 5	J
Arsenic	0.61	U	8 9		5 0		5 6		5 7	
Barium	10.5		266		145		117		204	
Beryllium	0.22		4 2		2.6		1 4		2.7	
Cadmium	0.07	U	1 5		0.17		0 99		0 57	
Calcium	765	J	2190		4120		1160		1970	
Chromium	4 1		176		248		147		178	
Cobalt	1.1	U	13 8		7.1		6 0		8.3	
Copper	2 4		195		388		86 6		156	
Iron	3550		24400		16200		12800		16300	
Lead	4 6		350		719		199		411	
Magnesium	408	J	2540		2580		1240		2010	
Manganese	49 9		773		572		283		435	
Mercury	0 01	J	0 38	J	1 3		0 47	J	0 45	J
Nickel	1 4	J	70 8		29 8		15 3		30 6	
Potassium	254	J	1050	J	862		657	J	810	J
Selenium	1.0	U	2 1	J	1.6	J	0 94	J	1 1	J
Silver	0.35	U	8 8	J	5 9		4 4	UJ	7 2	J
Sodium	68 7	UJ	311	UJ	234		127	UJ	247	UJ
Thallium	0.46	U	0 84	U	0 47	J	0.46	U	0 61	U
Vanadium	5 2		55 5		39 4		27 7		43 3	
Zinc	11 6	UJ	711		237		316		364	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SD-2029-0203-01		APB-SD-2034-01		APB-SD-2037-01		APC-SD-2035-0 502-01		APC-SD-2035-000 5-01	
Sample Location	APB-SD-2029		APB-SD-2034		APB-SD-2037		APC-SD-2035		APC-SD-2035	
Interval	2 0-3 0		0 0-0 5		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	10/29/99		11/3/99		10/22/99		11/3/99		11/3/99	
QC Identifier	None		None		None		None		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)			D00981		D00882				D00983	
Acid Volatile Sulfide		NA	5 38297		0.12164	U		NA	1 23183	
Cadmium		NA	0 02999	J	0.0065	J		NA	0 00858	J
Copper		NA	2 59186		5.61336	J		NA	2.16008	
Lead		NA	1 70106		2.6596			NA	1 97198	
Mercury		NA	0 00012	UJ	0.0022			NA	0 00008	UJ
Nickel		NA	1.25858	J	2.81531	J		NA	0 41283	J
SEM/AVS			3.25928		126.7502				7.69236	
Simultaneously Extracted Metal		NA	17 54462		15.41746			NA	9.47571	
Zinc		NA	11.96308		4.32049			NA	4 92221	
Total Organic Carbon Analysis (MG/KG)			D00981		D00882				D00983	
Total Organic Carbon		NA	121000		99400			NA	80900	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APC-SD-2035-0204-01		APC-SD-2035-0405-01		APC-SD-2036-01		APC-DU-110399B	
Sample Location	APC-SD-2035		APC-SD-2035		APC-SD-2036		APC-SD-2036	
Interval	2.0-4.0		4.0-5.0		0.0-0.5		0.0-0.5	
Date Sampled	11/3/99		11/3/99		11/3/99		11/3/99	
QC Identifier	None		None		Field Dup. APC-SD-2036-01		Field Dup. APC-SD-2036-01	
Semivolatile Organic Analysis (UG/KG)	D00985		D00986		D00982		D00987	
1,1'-Biphenyl		NA		NA		NA		NA
1,2,4-Trichlorobenzene	960	U	420	UJ	9700	U	4900	U
1,2-Dichlorobenzene	960	U	420	U	9700	U	4900	U
1,3-Dichlorobenzene	960	U	420	U	9700	U	4900	U
1,4-Dichlorobenzene	960	U	420	U	9700	U	4900	U
2,2'-oxybis(1-Chloropropane)	960	U	420	U	9700	U	4900	U
2,4,5-Trichlorophenol	2400	U	1000	U	24000	U	12000	U
2,4,6-Trichlorophenol	960	U	420	U	9700	U	4900	U
2,4-Dichlorophenol	960	U	420	U	9700	U	4900	U
2,4-Dimethylphenol	960	U	420	U	9700	U	4900	U
2,4-Dinitrophenol	2400	UJ		R		R		R
2,4-Dinitrotoluene	960	U	420	U	9700	U	4900	U
2,6-Dinitrotoluene	960	U	420	U	9700	U	4900	U
2-Chloronaphthalene	960	U	420	U	9700	U	4900	U
2-Chlorophenol	960	U	420	U	9700	U	4900	U
2-Methylnaphthalene	960	U	420	U	9700	U	4900	U
2-Methylphenol	960	U	420	U	9700	U	4900	U
2-Nitroaniline	2400	UJ	1000	UJ	24000	UJ	12000	UJ
2-Nitrophenol	960	U	420	U	9700	U	4900	U
3,3'-Dichlorobenzidine	960	U	420	U	9700	U	4900	U
3-Nitroaniline	2400	U	1000	U	24000	U	12000	U
4,6-Dinitro-2-methylphenol	2400	UJ	1000	UJ	24000	UJ	12000	UJ
4-Bromophenyl-phenylether	960	U	420	U	9700	U	4900	U
4-Chloro-3-methylphenol	960	U	420	U	9700	U	4900	U
4-Chloroaniline	960	U	420	U	9700	U	4900	U
4-Chlorophenyl-phenylether	960	U	420	U	9700	U	4900	U
4-Methylphenol	960	U	420	U	9700	U	4900	U
4-Nitroaniline	2400	U	1000	UJ	24000	UJ	12000	UJ
4-Nitrophenol	2400	UJ		R		R		R
Acenaphthene	960	U	420	U	9700	U	4900	U
Acenaphthylene	960	U	420	U	9700	U	4900	U
Acetophenone		NA		NA		NA		NA
Anthracene	960	U	420	U	9700	U	4900	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APC-SD-2035-0204-01		APC-SD-2035-0405-01		APC-SD-2036-01		APC-DU-110399B	
Sample Location	APC-SD-2035		APC-SD-2035		APC-SD-2036		APC-SD-2036	
Interval	2.0-4.0		4.0-5.0		0.0-0.5		0.0-0.5	
Date Sampled	11/3/99		11/3/99		11/3/99		11/3/99	
QC Identifier	None		None		Field Dup APC-SD-2036-01		Field Dup APC-SD-2036-01	
Atrazine		NA		NA		NA		NA
Benzaldehyde		NA		NA		NA		NA
Benzo(a)anthracene	960	U	47	J	2100	J	960	J
Benzo(a)pyrene	960	U	420	U	2200	J	840	J
Benzo(b)fluoranthene	960	U	55	J	3400	J	1600	J
Benzo(g,h,i)perylene	960	U	420	U	9700	U	4900	U
Benzo(k)fluoranthene	960	U	68	J	2100	J	1100	J
Bis(2-Chloroethoxy)methane	960	U	420	U	9700	U	4900	U
Bis(2-Chloroethyl)ether	960	U	420	U	9700	U	4900	U
bis(2-Ethylhexyl)phthalate	960	U	93	J	5800	J	1800	J
Butylbenzylphthalate	960	U	420	U	1100	J	4900	U
Caprolactam		NA		NA		NA		NA
Carbazole	960	U	420	U	9700	U	4900	U
Chrysene	960	U	66	J	2900	J	1500	J
Di-n-Butylphthalate	960	U	420	U	9700	U	4900	U
Di-n-octylphthalate	960	U	420	U	9700	U	4900	U
Dibenzo(a,h)anthracene	960	U	420	U	9700	U	4900	U
Dibenzofuran	960	U	420	U	9700	U	4900	U
Diethylphthalate	960	U	420	U	9700	U	4900	U
Dimethylphthalate	960	U	420	U	9700	U	4900	U
Fluoranthene	960	U	110	J	5300	J	2500	J
Fluorene	960	U	420	U	9700	U	4900	U
Hexachlorobenzene	960	U	420	U	9700	U	4900	U
Hexachlorobutadiene	960	U	420	U	9700	U	4900	U
Hexachlorocyclopentadiene	960	UJ	420	UJ	9700	UJ	4900	UJ
Hexachloroethane	960	U	420	U	9700	U	4900	U
Indeno(1,2,3-cd)pyrene	960	U	420	U	1600	J	710	J
Isophorone	960	U	420	U	9700	U	4900	U
N-Nitroso-di-n-propylamine	960	U	420	UJ	9700	U	4900	U
N-Nitroso-diphenylamine	960	U	420	U	9700	U	4900	U
Naphthalene	960	U	420	U	9700	U	4900	U
Nitrobenzene	960	U	420	U	9700	U	4900	U
Pentachlorophenol	2400	U	1000	UJ	24000	UJ	12000	UJ
Phenanthrene	960	U	48	J	1700	J	910	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APC-SD-2035-0204-01		APC-SD-2035-0405-01		APC-SD-2036-01		APC-DU-110399B	
Sample Location	APC-SD-2035		APC-SD-2035		APC-SD-2036		APC-SD-2036	
Interval	2.0-4.0		4.0-5.0		0.0-0.5		0.0-0.5	
Date Sampled	11/3/99		11/3/99		11/3/99		11/3/99	
QC Identifier	None		None		Field Dup. APC-SD-2036-01		Field Dup. APC-SD-2036-01	
Phenol	960	U	420	U	9700	U	4900	U
Pyrene	960	U	67	J	3800	J	1800	J
Total PAH	960	U	11		2900		1200	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APC-SD-2035-0204-01		APC-SD-2035-0405-01		APC-SD-2036-01		APC-DU-110399B	
Sample Location	APC-SD-2035		APC-SD-2035		APC-SD-2036		APC-SD-2036	
Interval	2.0-4.0		4.0-5.0		0.0-0.5		0.0-0.5	
Date Sampled	11/3/99		11/3/99		11/3/99		11/3/99	
QC Identifier	None		None		Field Dup. APC-SD-2036-01		Field Dup. APC-SD-2036-01	
Pesticide/PCB Analysis (UG/KG)	D00985		D00986		D00982		D00987	
4,4'-DDD	4.8	U	4.2	U	4.8	U	4.9	U
4,4'-DDE	4.8	U	4.2	U	4.9		4.9	U
4,4'-DDT	4.8	U	4.2	U	4.8	U	4.9	U
Aldrin	2.5	U	2.2	UJ	2.5	U	2.5	U
alpha-BHC	2.5	U	2.2	U	2.5	U	2.5	U
alpha-Chlordane	2.5	U	2.2	U	3.3		2.5	U
Aroclor, Total	22		25		183		77	
Aroclor-1016	48	U	42	U	48	U	49	U
Aroclor-1221	97	U	86	U	97	U	99	U
Aroclor-1232	48	U	42	U	48	U	49	U
Aroclor-1242	48	U	42	U	48	U	49	U
Aroclor-1248	48	U	42	U	23	J	49	U
Aroclor-1254	22	J	25	J	160	J	77	J
Aroclor-1260	48	U	42	U	48	U	49	U
beta-BHC	2.5	U	2.2	U	2.5	U	2.5	U
delta-BHC	2.5	U	2.2	U	2.5	U	2.5	U
Dieldrin	4.8	U	4.2	U	4.8	U	4.9	U
Endosulfan I	2.5	U	2.2	U	2.5	U	2.5	U
Endosulfan II	4.8	U	4.2	U	8.6	J	4.9	J
Endosulfan Sulfate	4.8	U	4.2	U	4.8	U	4.9	U
Endrin	4.8	U	4.2	UJ	4.8	U	4.9	U
Endrin Aldehyde	4.8	U	4.2	U	4.8	U	4.9	U
Endrin Ketone	4.8	U	4.2	U	4.8	U	4.9	U
gamma-BHC	2.5	U	2.2	UJ	2.5	U	2.5	U
gamma-Chlordane	2.5	U	2.2	U	4.7		2.5	U
Heptachlor	2.5	U	2.2	UJ	2.5	U	2.5	U
Heptachlor Epoxide	2.5	U	2.2	U	2.5	U	2.5	U
Methoxychlor	25	U	22	U	25	U	25	U
Toxaphene	250	U	220	U	250	U	250	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APC-SD-2035-0204-01		APC-SD-2035-0405-01		APC-SD-2036-01		APC-DU-110399B	
Sample Location	APC-SD-2035		APC-SD-2035		APC-SD-2036		APC-SD-2036	
Interval	2.0-4.0		4.0-5.0		0.0-0.5		0.0-0.5	
Date Sampled	11/3/99		11/3/99		11/3/99		11/3/99	
QC Identifier	None		None		Field Dup. APC-SD-2036-01		Field Dup. APC-SD-2036-01	
Dioxin Analysis (NG/KG)	D00985		D00986		D00982		D00987	
1,2,3,4,6,7,8-HpCDD	14.3		14.7		1410		1320	J
1,2,3,4,6,7,8-HpCDF	54.5		15.0		389		400	J
1,2,3,4,7,8,9-HpCDF	1.3	J	1.2	U	25.6		26.5	EMPC
1,2,3,4,7,8-HxCDD	0.76	J	0.93	J	20.1		18.5	J
1,2,3,4,7,8-HxCDF	3.4	U	2.3	U	44.0		40.7	J
1,2,3,6,7,8-HxCDD	2.2	U	1.9	U	53.8		61.4	J
1,2,3,6,7,8-HxCDF	2.6	J	1.1	EMPC	31.4	J	33.4	J
1,2,3,7,8,9-HxCDD	2.2	J	1.7	J	62.8		60.8	J
1,2,3,7,8,9-HxCDF	0.70	U	0.70	U	3.6	J	3.3	UJ
1,2,3,7,8-PeCDD	0.90	U	0.70	U	12.4		11.7	J
1,2,3,7,8-PeCDF	0.96	J	1.3	J	12.1		11.2	J
1,2,4,5,7,8-hexachloro(9H)xanthene	11.02	J	6.73	J	2865.39	J	2351.38	J
2,3,4,6,7,8-HxCDF	2.5	J	1.4	J	42.7		35.2	J
2,3,4,7,8-PeCDF	1.6	J	1.1	J	15.1		13.4	EMPC
2,3,7,8-TCDD	41.8		46.8		3270	$	2070	J$
2,3,7,8-TCDF	2.8		2.4		29.3		33.7	J
OCDD	71.4		97.2		8300	$	5930	J$
OCDF	26.1		9.8	J	672		683	J
Total HpCDD	29.1	J	28.3	J	2660	J	2630	J
Total HpCDF	93.5	J	26.0	J	958	J	902	J
Total HxCDD	20.0	UJ	14.1	UJ	430	J	489	J
Total HxCDF	50.6	J	19.6	J	715	J	647	J
Total PeCDD	9.8	EMPC	8.1	UJ	52.0	J	44.6	J
Total PeCDF	15.9	J	12.7	J	351	J	340	J
Total TCDD	48.3	J	50.5	J	3270	J$	2070	J$
Total TCDF	12.5	J	10.9	J	331	J	392	J
Toxicity Equivalency	45.2		49.1		3340		2140	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APC-SD-2035-0204-01		APC-SD-2035-0405-01		APC-SD-2036-01		APC-DU-110399B	
Sample Location	APC-SD-2035		APC-SD-2035		APC-SD-2036		APC-SD-2036	
Interval	2 0-4 0		4 0-5 0		0 0-0 5		0 0-0 5	
Date Sampled	11/3/99		11/3/99		11/3/99		11/3/99	
QC Identifier	None		None		Field Dup. APC-SD-2036-01		Field Dup. APC-SD-2036-01	
TAL Metal Analysis (MG/KG)	D00985		D00986		D00982		D00987	
Aluminum	9250		4720		14700		16200	
Antimony	0.72	UJ	0 48	UJ	2 7	J	3 3	J
Arsenic	2 3		0 81	J	8 8		9 7	
Barium	24 2	U	14 1	U	290		326	
Beryllium	1 0		0 50		4 0		4 6	
Cadmium	0 11	U	0 07	U	3 6		3 7	
Calcium	556		313		2940		3280	
Chromium	15 8		6 4		183		212	
Cobalt	3 8	J	1 7	J	14 9		16 2	
Copper	4 2		1 8	J	212		227	
Iron	14300		10000		23900		26300	
Lead	15 0		7 3		389		449	
Magnesium	509		694		2450		2720	
Manganese	177		116		763		861	
Mercury	0 04	J	0 02	J	0 66	J	0 54	J
Nickel	3 2	J	1 7	J	86 4		90 6	
Potassium	259	J	497	J	1080	J	1150	J
Selenium	0 98	U	0 65	U	1 9	J	1 5	J
Silver	4 1	UJ	3 5	UJ	9 9	J	9 8	J
Sodium	90 7	UJ	50 2	UJ	310	UJ	340	UJ
Thallium	0 79	U	0 52	U	0 88	U	0 81	U
Vanadium	20 6		10 9		49 6		55 4	
Zinc	67 0		27 3	U	930		943	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APC-SD-2035-0204-01		APC-SD-2035-0405-01		APC-SD-2036-01		APC-DU-110399B	
Sample Location	APC-SD-2035		APC-SD-2035		APC-SD-2036		APC-SD-2036	
Interval	2 0-4 0		4 0-5 0		0 0-0 5		0 0-0 5	
Date Sampled	11/3/99		11/3/99		11/3/99		11/3/99	
QC Identifier	None		None		Field Dup APC-SD-2036-01		Field Dup APC-SD-2036-01	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)					D00982		D00987	
Acid Volatile Sulfide		NA		NA	24 88106		28 81892	
Cadmium		NA		NA	0 02949	J	0 03878	J
Copper		NA		NA	2 74851		3 23498	
Lead		NA		NA	1 99785		2 43011	
Mercury		NA		NA	0.00012	UJ	0 00014	UJ
Nickel		NA		NA	1.339	J	1.89075	J
SEM/AVS					0.69374		0 74943	
Simultaneously Extracted Metal		NA		NA	17 26087		21 59769	
Zinc		NA		NA	11.146		14 00306	
Total Organic Carbon Analysis (MG/KG)					D00982		D00987	
Total Organic Carbon		NA		NA	118000		133000	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APC-SD-2036-01-MAX		CMW-SD-2016-01		CMW-SD-2018-01		CMW-SD-2023-01		CMW-SD-2024-01	
Sample Location	APC-SD-2036		CMW-SD-2016		CMW-SD-2018		CMW-SD-2023		CMW-SD-2024	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	11/3/99		10/26/99		10/26/99		10/27/99		10/27/99	
QC Identifier	Field Dup. APC-SD-2036-01		None		None		None		None	
Semivolatile Organic Analysis (UG/KG)	D00987		D00911		D00907		D00914		D00918	
1,1'-Biphenyl		NA		NA		NA		NA		NA
1,2,4-Trichlorobenzene	9700	U	800	U	2100	U	2300	U	2300	UJ
1,2-Dichlorobenzene	9700	U	800	U	2100	U	2300	U	2300	U
1,3-Dichlorobenzene	9700	U	800	U	2100	U	2300	U	2300	U
1,4-Dichlorobenzene	9700	U	800	U	2100	U	2300	U	2300	UJ
2,2'-oxybis(1-Chloropropane)	9700	U	800	U	2100	U	2300	U	2300	U
2,4,5-Trichlorophenol	24000	U	2000	U	5300	U	5800	U	5700	U
2,4,6-Trichlorophenol	9700	U	800	U	2100	U	2300	U	2300	U
2,4-Dichlorophenol	9700	U	800	U	2100	U	2300	U	2300	U
2,4-Dimethylphenol	9700	U	800	U	2100	U	2300	U	2300	U
2,4-Dinitrophenol		NA	2000	UJ	5300	UJ	5800	UJ		R
2,4-Dinitrotoluene	9700	U	800	U	2100	U	2300	U	2300	U
2,6-Dinitrotoluene	9700	U	800	U	2100	U	2300	U	2300	U
2-Chloronaphthalene	9700	U	800	U	2100	U	2300	U	2300	U
2-Chlorophenol	9700	U	800	U	2100	U	2300	U	2300	U
2-Methylnaphthalene	9700	U	800	U	2100	U	2300	U	2300	U
2-Methylphenol	9700	U	800	U	2100	U	2300	U	2300	U
2-Nitroaniline	24000	U	2000	U	5300	U	5800	U	5700	UJ
2-Nitrophenol	9700	U	800	U	2100	U	2300	U	2300	U
3,3'-Dichlorobenzidine	9700	U	800	UJ	2100	UJ	2300	UJ	2300	U
3-Nitroaniline	24000	U	2000	U	5300	U	5800	U	5700	UJ
4,6-Dinitro-2-methylphenol	24000	U	2000	U	5300	U	5800	U	5700	UJ
4-Bromophenyl-phenylether	9700	U	800	U	2100	U	2300	U	2300	U
4-Chloro-3-methylphenol	9700	U	800	U	2100	U	2300	U	2300	U
4-Chloroaniline	9700	U	800	U	2100	U	2300	U	2300	U
4-Chlorophenyl-phenylether	9700	U	800	U	2100	U	2300	U	2300	U
4-Methylphenol	9700	U	800	U	2100	U	2300	U	2300	U
4-Nitroaniline	24000	U	2000	U	5300	U	5800	U	5700	UJ
4-Nitrophenol		NA	2000	UJ	5300	UJ	5800	UJ		R
Acenaphthene	9700	U	170	J	940	J	310	J	2300	U
Acenaphthylene	9700	U	800	U	2100	U	2300	U	2300	U
Acetophenone		NA		NA		NA		NA		NA
Anthracene	9700	U	350	J	2400		640	J	2300	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
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Sample Number	APC-SD-2036-01-MAX		CMW-SD-2016-01		CMW-SD-2018-01		CMW-SD-2023-01		CMW-SD-2024-01	
Sample Location	APC-SD-2036		CMW-SD-2016		CMW-SD-2018		CMW-SD-2023		CMW-SD-2024	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	11/3/99		10/26/99		10/26/99		10/27/99		10/27/99	
QC Identifier	Field Dup. APC-SD-2036-01		None		None		None		None	
Atrazine		NA		NA		NA		NA		NA
Benzaldehyde		NA		NA		NA		NA		NA
Benzo(a)anthracene	2100		1800		8500		3000		1400	J
Benzo(a)pyrene	2200		1700		8900		2900		1300	J
Benzo(b)fluoranthene	3400		1900		7800		2400		1600	J
Benzo(g,h,i)perylene	9700	U	1000		5300		1300	J	710	J
Benzo(k)fluoranthene	2100		1400		8800		3000		1400	J
Bis(2-Chloroethoxy)methane	9700	U	800	U	2100	U	2300	U	2300	U
Bis(2-Chloroethyl)ether	9700	U	800	U	2100	U	2300	U	2300	U
bis(2-Ethylhexyl)phthalate	5800		800	U	2100	UJ	2300	UJ	2300	U
Butylbenzylphthalate	4900	U	94	J	2100	UJ	2300	UJ	2300	U
Caprolactam		NA		NA		NA		NA		NA
Carbazole	9700	U	440	J	2000	J	630	J	280	J
Chrysene	2900		2200		11000		3700		1800	J
Di-n-Butylphthalate	9700	U	800	U	2100	U	2300	U	2300	U
Di-n-octylphthalate	9700	U	800	UJ	2100	UJ	2300	UJ	2300	U
Dibenzo(a,h)anthracene	9700	U	390	J	2200		740	J	400	J
Dibenzofuran	9700	U	120	J	530	J	2300	U	2300	U
Diethylphthalate	9700	U	800	U	2100	U	2300	U	2300	U
Dimethylphthalate	9700	U	800	U	2100	U	2300	U	2300	U
Fluoranthene	5300		4500		24000		7400		3900	
Fluorene	9700	U	200	J	1300	J	350	J	2300	U
Hexachlorobenzene	9700	U	800	U	2100	U	2300	U	2300	U
Hexachlorobutadiene	9700	U	800	UJ	2100	UJ	2300	UJ	2300	U
Hexachlorocyclopentadiene	9700	U	800	U	2100	U	2300	U	2300	UJ
Hexachloroethane	9700	U	800	U	2100	U	2300	U	2300	U
Indeno(1,2,3-cd)pyrene	1600		1000		5300		1900	J	940	J
Isophorone	9700	U	800	U	2100	U	2300	U	2300	U
N-Nitroso-di-n-propylamine	9700	U	800	U	2100	U	2300	U	2300	U
N-Nitroso-diphenylamine	9700	U	800	U	2100	U	2300	U	2300	U
Naphthalene	9700	U	800	U	2100	U	2300	U	2300	U
Nitrobenzene	9700	U	800	U	2100	U	2300	U	2300	U
Pentachlorophenol	24000	U	2000	UJ	5300	UJ	5800	UJ	5700	UJ
Phenanthrene	1700		2700		14000		3900		1800	

Summary of Sediment/Soil Analytical Results
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Sample Number	APC-SD-2036-01-MAX		CMW-SD-2016-01		CMW-SD-2018-01		CMW-SD-2023-01		CMW-SD-2024-01	
Sample Location	APC-SD-2036		CMW-SD-2016		CMW-SD-2018		CMW-SD-2023		CMW-SD-2024	
Interval	0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5	
Date Sampled	11/3/99		10/26/99		10/26/99		10/27/99		10/27/99	
QC Identifier	Field Dup. APC-SD-2036-01		None		None		None		None	
Phenol	9700	U	800	U	2100	U	2300	U	2300	U
Pyrene	3800		4000		23000		6300		2700	
Total PAH	2900		2600		13000		4400		2100	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APC-SD-2036-01-MAX		CMW-SD-2016-01		CMW-SD-2018-01		CMW-SD-2023-01		CMW-SD-2024-01	
Sample Location	APC-SD-2036		CMW-SD-2016		CMW-SD-2018		CMW-SD-2023		CMW-SD-2024	
Interval	0.0-0.5		0 0-0 5		0.0-0.5		0 0-0 5		0 0-0 5	
Date Sampled	11/3/99		10/26/99		10/26/99		10/27/99		10/27/99	
QC Identifier	Field Dup APC-SD-2036-01		None		None		None		None	
Pesticide/PCB Analysis (UG/KG)	D00987		D00911		D00907		D00914		D00918	
4,4'-DDD	4 9	U	4.0	U	4.2	U	4.6	U	4 6	U
4,4'-DDE	4 9		4 0	U	4 2	U	4 6	U	4 6	U
4,4'-DDT	4 9	U	4.0	U	4.2	U	4 6	U	4 6	UJ
Aldrin	2 5	U	2.1	U	2 2	U	2 4	U	2 3	UJ
alpha-BHC	2 5	U	2.1	U	2 2	U	2 4	U	2 3	U
alpha-Chlordane	3.3		2.1	U	2 2	U	10		4.2	
Aroclor, Total	49		81	U	26		94	U	315	
Aroclor-1016	49	U	40	U	42	U	46	U	46	U
Aroclor-1221	99	U	81	U	85	U	94	U	93	U
Aroclor-1232	49	U	40	U	42	U	46	U	46	U
Aroclor-1242	49	U	40	U	42	U	46	U	46	U
Aroclor-1248	49	U	40	U	26	J	46	U	85	
Aroclor-1254	160		40	U	42	U	46	U	230	
Aroclor-1260	49	U	40	U	42	U	46	U	46	U
beta-BHC	2 5	U	2.1	U	2 2	U	2 4	U	2 3	U
delta-BHC	2 5	U	2.1	U	2 2	U	2 4	U	2 3	U
Dieldrin	4 9	U	4 0	U	4 2	U	4 6	U	4 6	UJ
Endosulfan I	2 5	U	2 1	U	2 2	U	2 4	U	2 3	U
Endosulfan II	8 6		4.0	U	4.2	U	4 6	U	16	
Endosulfan Sulfate	4 9	U	4.0	U	4 2	U	4 6	U	4 6	U
Endrin	4 9	U	4 0	U	4.2	U	4 6	U	4 6	U
Endrin Aldehyde	4 9	U	4.0	U	4.2	U	4 6	U	4 6	U
Endrin Ketone	4 9	U	4.0	U	6.5		4 6	U	4 6	U
gamma-BHC	2 5	U	2.1	U	2.2	U	2 4	U	2.3	U
gamma-Chlordane	4.7		2.5		4 5		13		11	
Heptachlor	2 5	U	2.1	U	2 2	U	2 4	U	2 3	UJ
Heptachlor Epoxide	2 5	U	2.1	U	2 2	U	2 4	U	2 3	U
Methoxychlor	25	U	21	U	22	U	24	U	23	U
Toxaphene	250	U	210	U	220	U	240	U	230	U

Summary of Sediment/Soil Analytical Results
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Sample Number	APC-SD-2036-01-MAX		CMW-SD-2016-01		CMW-SD-2018-01		CMW-SD-2023-01		CMW-SD-2024-01	
Sample Location	APC-SD-2036		CMW-SD-2016		CMW-SD-2018		CMW-SD-2023		CMW-SD-2024	
Interval	0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5	
Date Sampled	11/3/99		10/26/99		10/26/99		10/27/99		10/27/99	
QC Identifier	Field Dup. APC-SD-2036-01		None		None		None		None	
Dioxin Analysis (NG/KG)	D00982		D00911		D00907		D00914		D00918	
1,2,3,4,6,7,8-HpCDD	1410		56 8		99 1		206	J	269	
1,2,3,4,6,7,8-HpCDF	389		14 7		17 8		41 2	J	99 0	
1,2,3,4,7,8,9-HpCDF	25 6		0 91	EMPC	1 4	U	3 3	J	6 4	
1,2,3,4,7,8-HxCDD	20 1		1 4	J	2 0	J	3 2	EMPC	5 1	
1,2,3,4,7,8-HxCDF	44 0		1 8	J	3 1	J	4 6	J	10 3	
1,2,3,6,7,8-HxCDD	53 8		3 6	J	5 7		9 4	J	13 0	
1,2,3,6,7,8-HxCDF	33 4		1 2	J	2 1	J	3 3	J	7 7	
1,2,3,7,8,9-HxCDD	62 8		4 2	J	8 2		10 9	J	14 2	
1,2,3,7,8,9-HxCDF	3 6		1 2	J	2 6	J	4 2	J	8 0	
1,2,3,7,8-PeCDD	12 4		1 2	EMPC	2 6	J	3 2	J	4 6	J
1,2,3,7,8-PeCDF	12 1		1 1	J	0 80	U	5 1	EMPC	12 3	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	2865 39		0 00	U	2 52	J	2 48	J	232 88	J
2,3,4,6,7,8-HxCDF	42 7		0 40	U	0 90	U	0 80	UJ	0 60	U
2,3,4,7,8-PeCDF	15 1		0 93	J	1 1	EMPC	2 5	EMPC	4 4	J
2,3,7,8-TCDD	3270		1 2	U	21 5		20 9	J	747	$
2,3,7,8-TCDF	29 3		1 5		3 5		7 1	J	7 3	
OCDD	8300		378	EB	742	EB	1440	JEB	1790	EB
OCDF	672		27 5	EB	40 1	EB	96 4	JEB	167	EB
Total HpCDD	2660		103	J	185	J	382	J	514	J
Total HpCDF	958		31 9	J	43 8	J	101	J	216	J
Total HxCDD	489		27 1	JEB	46 9	JEB	68 4	JEB	106	JEB
Total HxCDF	715		19 0	J	33 0	J	60 1	J	149	J
Total PeCDD	52 0		8 8	J	12 4	J	14 4	J	15 1	J
Total PeCDF	351		8 8	J	6 3	J	30 9	J	88 5	J
Total TCDD	3270		3 4	J	21 5	J	23 5	J	747	J$
Total TCDF	392		6 1	J	11 2	J	42 9	J	65 2	J
Toxicity Equivalency	3340		4 6		28 7		32 6		765	

Summary of Sediment/Soil Analytical Results
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Sample Number	APC-SD-2036-01-MAX		CMW-SD-2016-01		CMW-SD-2018-01		CMW-SD-2023-01		CMW-SD-2024-01	
Sample Location	APC-SD-2036		CMW-SD-2016		CMW-SD-2018		CMW-SD-2023		CMW-SD-2024	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	11/3/99		10/26/99		10/26/99		10/27/99		10/27/99	
QC Identifier	Field Dup. APC-SD-2036-01		None		None		None		None	
TAL Metal Analysis (MG/KG)	D00982		D00911		D00907		D00914		D00918	
Aluminum	16200		1640		1260		4340		3970	
Antimony	3.3		0.52	UJ	0.58	UJ	0.90	UJ	1.0	UJ
Arsenic	9.7		2.4		0.54	U	3.3		2.4	
Barium	326		12.4		9.8		45.6		48.9	
Beryllium	4.6		0.13	UJ	0.21	U	0.55	U	1.0	
Cadmium	3.7		0.06	U	0.06	UJ	0.10	U	0.70	
Calcium	3280		447	UJ	533	UJ	1800	J	1400	J
Chromium	212		10.7		2.5	J	33.8		43.0	
Cobalt	16.2		1.5	J	1.0	J	2.4	J	4.0	
Copper	227		9.4		5.5		29.1		41.5	
Iron	26300		9880		3200		6750		6280	
Lead	449		91.9		41.9		69.3		94.8	
Magnesium	2720		562	J	585	J	1460	J	731	J
Manganese	861		128		39.1		104		115	
Mercury	0.66		0.02	U	0.03		3.6		0.24	
Nickel	90.6		5.1		2.0	J	6.3		11.1	
Potassium	1150		390	J	277	UJ	991	J	433	J
Selenium	1.9		0.79	U	0.88	U	1.4	U	1.5	U
Silver	9.9		2.7		0.91	U	1.9	U	2.3	U
Sodium	340	U	19.9	UJ	55.1	UJ	127	UJ	150	UJ
Thallium	0.88	U	0.36	U	0.43	UJ	0.63	U	0.70	U
Vanadium	55.4		5.1		2.5	U	11.3		16.8	
Zinc	943		77.7	J	93.8	J	118	J	261	J

Summary of Sediment/Soil Analytical Results
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Sample Number	APC-SD-2036-01-MAX		CMW-SD-2016-01		CMW-SD-2018-01		CMW-SD-2023-01		CMW-SD-2024-01	
Sample Location	APC-SD-2036		CMW-SD-2016		CMW-SD-2018		CMW-SD-2023		CMW-SD-2024	
Interval	0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5	
Date Sampled	11/3/99		10/26/99		10/26/99		10/27/99		10/27/99	
QC Identifier	Field Dup. APC-SD-2036-01		None		None		None		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)	D00982		D00911		D00907		D00914		D00918	
Acid Volatile Sulfide	28 81892		0 04436	U	0 14665		7 24483		7 56	
Cadmium	0 03878		0 00101	U	0 00192	J	0 00578	J	0 00376	
Copper	3 23498		0 30684		0 35808		1 05659		0 45667	
Lead	2 43011		0 1757		0 213		0 38603		0 28007	
Mercury	0 00014	U	0 00003	U	0 00003	U	0 00005	U	0 00004	U
Nickel	1 89075		0 08334	J	0 60318	J	1 5665	J	0 24696	J
SEM/AVS	0 74943		37 41196		14 91677		0 6362		0 35052	
Simultaneously Extracted Metal	21 59769		1 65951		2 18757		4 60918		2 65124	
Zinc	14 00306		1 09279		1 01138		1 59423		1 66378	
Total Organic Carbon Analysis (MG/KG)	D00982		D00911		D00907		D00914		D00918	
Total Organic Carbon	133000		8350		4800		37500		28200	

Summary of Sediment/Soil Analytical Results
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Sample Number	CMW-SD-2019-01		CMW-SD-2020-01	
Sample Location	CMW-SD-2019		CMW-SD-2020	
Interval	0 0-0 5		0 0-0 5	
Date Sampled	10/26/99		10/26/99	
QC Identifier	None		None	
Semivolatile Organic Analysis (UG/KG)	D00906		D00904	
1,2,4-Trichlorobenzene	950	U	460	U
1,2-Dichlorobenzene	950	U	460	U
1,3-Dichlorobenzene	950	U	460	U
1,4-Dichlorobenzene	950	U	460	U
2,2'-oxybis(1-Chloropropane)	950	U	460	U
2,4,5-Trichlorophenol	2400	U	1200	U
2,4,6-Trichlorophenol	950	U	460	U
2,4-Dichlorophenol	950	U	460	U
2,4-Dimethylphenol	950	U	460	U
2,4-Dinitrophenol	2400	UJ	1200	UJ
2,4-Dinitrotoluene	950	U	460	U
2,6-Dinitrotoluene	950	U	460	U
2-Chloronaphthalene	950	U	460	U
2-Chlorophenol	950	U	460	U
2-Methylnaphthalene	950	U	460	U
2-Methylphenol	950	U	460	U
2-Nitroaniline	2400	U	1200	U
2-Nitrophenol	950	U	460	U
3,3'-Dichlorobenzidine	950	UJ	460	UJ
3-Nitroaniline	2400	U	1200	U
4,6-Dinitro-2-methylphenol	2400	U	1200	U
4-Bromophenyl-phenylether	950	U	460	U
4-Chloro-3-methylphenol	950	U	460	U
4-Chloroaniline	950	U	460	U
4-Chlorophenyl-phenylether	950	U	460	U
4-Methylphenol	950	U	460	U
4-Nitroaniline	2400	U	1200	U
4-Nitrophenol	2400	UJ	1200	UJ
Acenaphthene	950	U	460	U
Acenaphthylene	950	U	460	U

Summary of Sediment/Soil Analytical Results
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Sample Number	CMW-SD-2019-01		CMW-SD-2020-01	
Sample Location	CMW-SD-2019		CMW-SD-2020	
Interval	0 0-0 5		0 0-0 5	
Date Sampled	10/26/99		10/26/99	
QC Identifier	None		None	
Anthracene	950	U	460	U
Benzo(a)anthracene	520	J	240	J
Benzo(a)pyrene	600	J	250	J
Benzo(b)fluoranthene	820	J	230	J
Benzo(g,h,i)perylene	490	J	190	J
Benzo(k)fluoranthene	540	J	300	J
Bis(2-Chloroethoxy)methane	950	U	460	U
Bis(2-Chloroethyl)ether	950	U	460	U
bis(2-Ethylhexyl)phthalate	950	U	460	U
Butylbenzylphthalate	950	UJ	460	UJ
Carbazole	950	U	51	J
Chrysene	850	J	380	J
Di-n-Butylphthalate	950	U	49	J
Di-n-octylphthalate	950	UJ	460	UJ
Dibenzo(a,h)anthracene	180	J	70	J
Dibenzofuran	950	U	460	U
Diethylphthalate	950	U	460	U
Dimethylphthalate	950	U	460	U
Fluoranthene	1600		710	
Fluorene	950	U	460	U
Hexachlorobenzene	950	U	460	U
Hexachlorobutadiene	950	UJ	460	UJ
Hexachlorocyclopentadiene	950	U	460	U
Hexachloroethane	950	U	460	U
Indeno(1,2,3-cd)pyrene	460	J	160	J
Isophorone	950	U	460	U
N-Nitroso-di-n-propylamine	950	U	460	U
N-Nitroso-diphenylamine	950	U	460	U
Naphthalene	950	U	460	U
Nitrobenzene	950	U	460	U
Pentachlorophenol	2400	UJ	1200	UJ

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2019-01		CMW-SD-2020-01	
Sample Location	CMW-SD-2019		CMW-SD-2020	
Interval	0 0-0 5		0 0-0 5	
Date Sampled	10/26/99		10/26/99	
QC Identifier	None		None	
Phenanthrene	570	J	370	J
Phenol	950	U	460	U
Pyrene	1400		570	
Total PAH	970		390	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2019-01		CMW-SD-2020-01	
Sample Location	CMW-SD-2019		CMW-SD-2020	
Interval	0.0-0.5		0.0-0.5	
Date Sampled	10/26/99		10/26/99	
QC Identifier	None		None	
Pesticide/PCB Analysis (UG/KG)	D00906		D00904	
4,4'-DDD	4.8	U	4.6	U
4,4'-DDE	4.8	U	9.0	
4,4'-DDT	4.8	U	4.6	U
Aldrin	2.5	U	2.4	U
alpha-BHC	2.5	U	2.4	U
alpha-Chlordane	3.2		2.4	U
Aroclor, Total	5200		2490	
Aroclor-1016	48	U	46	U
Aroclor-1221	97	U	93	U
Aroclor-1232	48	U	46	U
Aroclor-1242	48	U	46	U
Aroclor-1248	1600	*	290	
Aroclor-1254	3600	*	2200	*
Aroclor-1260	48	U	46	U
beta-BHC	2.5	U	2.4	U
delta-BHC	2.5	U	2.4	U
Dieldrin	16		7.2	
Endosulfan I	2.5	U	2.4	U
Endosulfan II	340	*	190	*
Endosulfan Sulfate	4.8	U	4.6	U
Endrin	21		9.9	
Endrin Aldehyde	4.8	U	4.6	U
Endrin Ketone	4.8	U	4.6	U
gamma-BHC	2.5	U	2.4	U
gamma-Chlordane	26		10	
Heptachlor	2.5	U	2.4	U
Heptachlor Epoxide	2.5	U	2.4	U
Methoxychlor	34		24	U
Toxaphene	250	U	240	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2019-01		CMW-SD-2020-01	
Sample Location	CMW-SD-2019		CMW-SD-2020	
Interval	0 0-0 5		0.0-0 5	
Date Sampled	10/26/99		10/26/99	
QC Identifier	None		None	
Dioxin Analysis (NG/KG)	**D00906**		**D00904**	
1,2,3,4,6,7,8-HpCDD	4120	J$	1230	J
1,2,3,4,6,7,8-HpCDF	534	J	127	J
1,2,3,4,7,8,9-HpCDF	39 7	J	10 2	J
1,2,3,4,7,8-HxCDD	58 1	J	20 0	J
1,2,3,4,7,8-HxCDF	113	J	43 0	J
1,2,3,6,7,8-HxCDD	187	J	46 2	J
1,2,3,6,7,8-HxCDF	57 6	J	21 2	J
1,2,3,7,8,9-HxCDD	187	J	63 3	J
1,2,3,7,8,9-HxCDF	3 4	UJ	1 6	UJ
1,2,3,7,8-PeCDD	36 7	J	15 5	J
1,2,3,7,8-ReCDF	58 3	EMPC	22 2	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	8090 7	J$	2218 6	J$
2,3,4,6,7,8-HxCDF	64 3	J	25 2	J
2,3,4,7,8-PeCDF	66 4	J	33 7	J
2,3,7,8-TCDD	8200	J@	4660	J$
2,3,7,8-TCDF	163	J	101	J
OCDD	26570	EBJ$	6090	EBJ$
OCDF	971	EBJ	149	EBJ
Total HpCDD	7190	J$	2220	J
Total HpCDF	1270	J	249	J
Total HxCDD	1410	J	479	J
Total HxCDF	2010	J	582	J
Total PeCDD	207	J	90 2	J
Total PeCDF	1020	J	451	J
Total TCDD	8200	J@	4760	J$
Total TCDF	1220	J	638	J
Toxicity Equivalency	8410		4740	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2019-01		CMW-SD-2020-01	
Sample Location	CMW-SD-2019		CMW-SD-2020	
Interval	0 0-0.5		0 0-0 5	
Date Sampled	10/26/99		10/26/99	
QC Identifier	None		None	
TAL Metal Analysis (MG/KG)	D00906		D00904	
Aluminum	10900		4600	
Antimony	2 8	UJ	1 6	UJ
Arsenic	10 4	J	3 3	
Barium	90 6	J	61 2	
Beryllium	1 0		0 66	U
Cadmium	5 2	J	1 2	
Calcium	5950	J	4650	J
Chromium	98 4		51 0	
Cobalt	9 8		4 5	
Copper	167		35 8	
Iron	23900		9710	
Lead	561		287	
Magnesium	2710	J	829	J
Manganese	381		214	
Mercury	0 59		0 57	
Nickel	33 8		10 6	
Potassium	1310	J	515	J
Selenium	1 4	J	1 5	J
Silver	7 2		2 6	
Sodium	273	J	154	J
Thallium	0 46	UJ	0 47	U
Vanadium	83 8	J	30 9	
Zinc	635	J	268	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2019-01		CMW-SD-2020-01	
Sample Location	CMW-SD-2019		CMW-SD-2020	
Interval	0.0-0.5		0 0-0 5	
Date Sampled	10/26/99		10/26/99	
QC Identifier	None		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)	D00906		D00904	
Acid Volatile Sulfide	49 95394		26 71883	
Cadmium	0 04497	J	0 01006	J
Copper	1 62943		0 77232	
Lead	2 59495		1 29148	
Mercury	0 00011	U	0 00009	U
Nickel	1 11076	J	5 31127	J
SEM/AVS	0 29974		0 40304	
Simultaneously Extracted Metal	14 97301		10 76875	
Zinc	9 59289		3 38361	
Total Organic Carbon Analysis (MG/KG)	D00906		D00904	
Total Organic Carbon	116000		99100	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2025-0.502-01		CMW-SD-2025-000.5-01		LPX-SD-2045-01		LPX-SD-2046-0.502-01		LPX-SD-2046-000.5-01	
Sample Location	CMW-SD-2025		CMW-SD-2025		LPX-SD-2045		LPX-SD-2046		LPX-SD-2046	
Interval	0.5-2.0		0.0-0.5		0.0-0.5		0.5-2.0		0.0-0.5	
Date Sampled	10/28/99		10/28/99		11/8/99		11/8/99		11/8/99	
QC Identifier	None		None		None		None		None	
Semivolatile Organic Analysis (UG/KG)	D00928		D00924		D01016		D01018		D01017	
1,1'-Biphenyl		NA		NA		NA		NA		NA
1,2,4-Trichlorobenzene	4800	U	4600	U	2500	U	9800	U	2500	U
1,2-Dichlorobenzene	4800	U	4600	U	2500	U	9800	U	2500	U
1,3-Dichlorobenzene	4800	U	4600	U	2500	U	9800	U	2500	U
1,4-Dichlorobenzene	4800	U	4600	U	2500	U	9800	U	2500	U
2,2'-oxybis(1-Chloropropane)	4800	U	4600	U	2500	U	9800	U	2500	U
2,4,5-Trichlorophenol	12000	U	11000	U	6200	U	25000	U	6200	U
2,4,6-Trichlorophenol	4800	UJ	4600	UJ	2500	U	9800	U	2500	U
2,4-Dichlorophenol	4800	U	4600	U	2500	U	9800	U	2500	U
2,4-Dimethylphenol	4800	U	4600	U	2500	U	9800	U	2500	U
2,4-Dinitrophenol	12000	U	11000	U	6200	U	25000	U	6200	U
2,4-Dinitrotpluene	4800	U	4600	U	2500	U	9800	U	2500	U
2,6-Dinitrotoluene	4800	U	4600	U	2500	U	9800	U	2500	U
2-Chloronaphthalene	4800	U	4600	U	2500	U	9800	U	2500	U
2-Chlorophenol	4800	U	4600	U	2500	U	9800	U	2500	U
2-Methylnaphthalene	4800	U	4600	U	2500	U	9800	U	2500	U
2-Methylphenol	4800	U	4600	U	2500	U	9800	U	2500	U
2-Nitroaniline	12000	U	11000	U	6200	U	25000	U	6200	U
2-Nitrophenol	4800	UJ	4600	UJ	2500	U	9800	U	2500	U
3,3'-Dichlorobenzidine	4800	UJ	4600	UJ	2500	U	9800	U	2500	U
3-Nitroaniline	12000	U	11000	U	6200	U	25000	U	6200	U
4,6-Dinitro-2-methylphenol	12000	U	11000	U	6200	U	25000	U	6200	U
4-Bromophenyl-phenylether	4800	U	4600	U	2500	U	9800	U	2500	U
4-Chloro-3-methylphenol	4800	U	4600	U	2500	U	9800	U	2500	U
4-Chloroaniline	4800	UJ	4600	UJ	2500	U	9800	U	2500	U
4-Chlorophenyl-phenylether	4800	U	4600	U	2500	U	9800	U	2500	U
4-Methylphenol	4800	U	4600	U	2500	U	9800	U	2500	U
4-Nitroaniline	12000	U	11000	U	6200	U	25000	U	6200	U
4-Nitrophenol	12000	U	11000	U	6200	U	25000	U	6200	U
Acenaphthene	4800	U	4600	U	2500	U	9800	U	2500	U
Acenaphthylene	4800	U	4600	U	2500	U	9800	U	2500	U
Acetophenone		NA		NA		NA		NA		NA
Anthracene	4800	U	520	J	2500	U	9800	U	2500	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2025-0.502-01		CMW-SD-2025-000.5-01		LPX-SD-2045-01		LPX-SD-2046-0.502-01		LPX-SD-2046-000.5-01	
Sample Location	CMW-SD-2025		CMW-SD-2025		LPX-SD-2045		LPX-SD-2046		LPX-SD-2046	
Interval	0.5-2.0		0.0-0.5		0.0-0.5		0.5-2.0		0.0-0.5	
Date Sampled	10/28/99		10/28/99		11/8/99		11/8/99		11/8/99	
QC Identifier	None		None		None		None		None	
Atrazine		NA		NA		NA		NA		NA
Benzaldehyde		NA		NA		NA		NA		NA
Benzo(a)anthracene	1900	J	3500	J	380	J	1200	J	530	J
Benzo(a)pyrene	2000	J	2900	J	450	J	1100	J	580	J
Benzo(b)fluoranthene	1600	J	3700	J	470	J	1200	J	580	J
Benzo(g,h,i)perylene	4800	U	4600	U	280	J	9800	U	330	J
Benzo(k)fluoranthene	1500	J	5000		390	J	1200	J	540	J
Bis(2-Chloroethoxy)methane	4800	U	4600	U	2500	U	9800	U	2500	U
Bis(2-Chloroethyl)ether	4800	U	4600	U	2500	U	9800	U	2500	U
bis(2-Ethylhexyl)phthalate	4800	UJ	12000	UJ	710	J	5600	J	820	J
Butylbenzylphthalate	4800	UJ	4600	UJ	2500	UJ	9800	UJ	2500	UJ
Caprolactam		NA		NA		NA		NA		NA
Carbazole	4800	U	610	J	2500	U	9800	U	2500	U
Chrysene	2300	J	5100		560	J	1600	J	670	J
Di-n-Butylphthalate	4800	U	4600	U	2500	U	9800	U	2500	U
Di-n-octylphthalate	4800	U	4600	U	2500	UJ	9800	UJ	2500	UJ
Dibenzo(a,h)anthracene	4800	U	970	J	2500	U	9800	U	2500	U
Dibenzofuran	4800	U	4600	U	2500	U	9800	U	2500	U
Diethylphthalate	4800	U	4600	U	2500	U	9800	U	2500	U
Dimethylphthalate	4800	U	4600	U	2500	U	9800	U	2500	U
Fluoranthene	2800	J	9800		890	J	2700	J	1100	J
Fluorene	4800	U	4600	U	2500	U	9800	U	2500	U
Hexachlorobenzene	4800	U	4600	U	2500	U	9800	U	2500	U
Hexachlorobutadiene	4800	U	4600	U	2500	U	9800	U	2500	U
Hexachlorocyclopentadiene	4800	UJ	4600	UJ	2500	U	9800	U	2500	U
Hexachloroethane	4800	U	4600	U	2500	U	9800	U	2500	U
Indeno(1,2,3-cd)pyrene	950	J	2200	J	270	J	9800	U	370	J
Isophorone	4800	U	4600	U	2500	U	9800	U	2500	U
N-Nitroso-di-n-propylamine	4800	U	4600	U	2500	U	9800	U	2500	U
N-Nitroso-diphenylamine	4800	U	4600	U	2500	U	9800	U	2500	U
Naphthalene	4800	U	4600	U	2500	U	9800	U	2500	U
Nitrobenzene	4800	U	4600	U	2500	U	9800	U	2500	U
Pentachlorophenol	12000	UJ	11000	UJ	6200	U	25000	U	6200	U
Phenanthrene	860	J	4000	J	370	J	1500	J	450	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2025-0.502-01		CMW-SD-2025-000.5-01		LPX-SD-2045-01		LPX-SD-2046-0.502-01		LPX-SD-2046-000.5-01	
Sample Location	CMW-SD-2025		CMW-SD-2025		LPX-SD-2045		LPX-SD-2046		LPX-SD-2046	
Interval	0.5-2.0		0.0-0.5		0.0-0.5		0.5-2.0		0.0-0.5	
Date Sampled	10/28/99		10/28/99		11/8/99		11/8/99		11/8/99	
QC Identifier	None		None		None		None		None	
Phenol	4800	U	4600	U	2500	U	9800	U	2500	U
Pyrene	3800	J	7800		860	J	2600	J	980	J
Total PAH	2500		4900		570		1400		730	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2025-0.502-01		CMW-SD-2025-000.5-01		LPX-SD-2045-01		LPX-SD-2046-0.502-01		LPX-SD-2046-000.5-01	
Sample Location	CMW-SD-2025		CMW-SD-2025		LPX-SD-2045		LPX-SD-2046		LPX-SD-2046	
Interval	0.5-2.0		0.0-0.5		0.0-0.5		0.5-2.0		0.0-0.5	
Date Sampled	10/28/99		10/28/99		11/8/99		11/8/99		11/8/99	
QC Identifier	None		None		None		None		None	
Pesticide/PCB Analysis (UG/KG)	D00928		D00924		D01016		D01018		D01017	
4,4'-DDD	4.8	U	4.7	U	4.9	U	4.9	U	5.0	U
4,4'-DDE	4.8	U	4.7	U	4.9	U	4.9	U	5.0	U
4,4'-DDT	4.8	U	4.9		4.9	U	5.9		5.0	U
Aldrin	2.5	U	2.4	U	2.5	U	2.5	U	2.6	U
alpha-BHC	2.5	U	2.4	U	2.5	U	2.5	U	2.6	U
alpha-Chlordane	4.8		9.4		2.7		4.9		2.6	U
Aroclor, Total	254		400		211		2920		178	
Aroclor-1016	48	U	47	U	49	U	49	U	50	U
Aroclor-1221	98	U	95	U	100	U	99	U	100	U
Aroclor-1232	48	U	47	U	49	U	49	U	50	U
Aroclor-1242	48	U	47	U	49	U	49	U	50	U
Aroclor-1248	54		100		52		49	U	29	J
Aroclor-1254	200		300		130		2600		120	
Aroclor-1260	48	U	47	U	29	J	320		29	J
beta-BHC	2.5	U	2.6		2.5	U	2.5	U	2.6	U
delta-BHC	2.5	U	2.4	U	2.5	U	2.5	U	2.6	U
Dieldrin	4.8	U	4.7	U	4.9	U	6.8		5.0	U
Endosulfan I	2.5	U	2.4	U	2.5	U	2.5	U	2.6	U
Endosulfan II	4.8	U	22		10	EB	290	EB*	10	EB
Endosulfan Sulfate	4.8	U	4.7	U	4.9	U	5.2		5.0	U
Endrin	4.8	U	4.7	U	4.9	U	9.5		5.0	U
Endrin Aldehyde	38		4.7	U	4.9	U	4.9	U	5.0	U
Endrin Ketone	4.8	U	4.7	U	4.9	U	4.9	U	5.0	U
gamma-BHC	2.5	U	2.4	U	2.5	U	2.5	U	2.6	U
gamma-Chlordane	5.3		12		4.0		24		2.8	
Heptachlor	2.5	U	2.4	U	2.5	U	2.5	U	2.6	U
Heptachlor Epoxide	2.5	U	2.4	U	2.5	U	2.5	U	2.6	U
Methoxychlor	25	U	24	U	25	U	39		26	U
Toxaphene	250	U	240	U	250	U	250	U	260	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2025-0.502-01		CMW-SD-2025-000.5-01		LPX-SD-2045-01		LPX-SD-2046-0.502-01		LPX-SD-2046-000.5-01	
Sample Location	CMW-SD-2025		CMW-SD-2025		LPX-SD-2045		LPX-SD-2046		LPX-SD-2046	
Interval	0.5-2.0		0.0-0.5		0.0-0.5		0.5-2.0		0.0-0.5	
Date Sampled	10/28/99		10/28/99		11/8/99		11/8/99		11/8/99	
QC Identifier	None		None		None		None		None	
Dioxin Analysis (NG/KG)	D00928		D00924		D01016		D01018		D01017	
1,2,3,4,6,7,8-HpCDD	250		1810	$	991	J	277	J	984	J
1,2,3,4,6,7,8-HpCDF	45.2		392		341	J	116	J	422	J
1,2,3,4,7,8,9-HpCDF	3.8	J	22.5		21.1	J	8.0	J	17.6	EMPC
1,2,3,4,7,8-HxCDD	4.3	J	32.2		18.3	J	6.5	J	17.2	J
1,2,3,4,7,8-HxCDF	5.8		31.8		39.1	J	21.2	J	42.2	J
1,2,3,6,7,8-HxCDD	11.0		82.1		47.4	J	15.3	J	45.4	J
1,2,3,6,7,8-HxCDF	4.0	J	24.2		27.5	J	15.5	J	34.2	J
1,2,3,7,8,9-HxCDD	10.8		89.2		58.7	J	17.9	J	46.4	J
1,2,3,7,8,9-HxCDF	4.3	J	26.7		2.3	EMPC	1.7	UJ	1.3	UJ
1,2,3,7,8-PeCDD	2.8	J	18.9		14.0	J	9.8	J	11.3	J
1,2,3,7,8-PeCDF	3.1	J	29.4	EMPC	11.6	J	22.7	EMPC	14.2	J
1,2,4,5,7,8-hexachloro(9H)xanthene	13.06	J	90.79	J	2692.394	J	315	J&	733.324	J&
2,3,4,6,7,8-HxCDF	0.50	U	2.3	U	33.2	J	16.6	J	34.9	J
2,3,4,7,8-PeCDF	2.7	J	10.7		17.4	J	13.2	J	16.3	J
2,3,7,8-TCDD	135		939	$	7610	J&	2060	J&	7110	J&
2,3,7,8-TCDF	4.8		19.2		40.6	J	36.7	J	37.0	J
OCDD	1890	EB	13240	$JEB	6300	J&	1470	J	5890	J&
OCDF	116	EB	874	JEB	524	J	124	J	531	J
Total HpCDD	449	J	3370	$J	1950	J	525	J	1930	J
Total HpCDF	117	J	944	J	778	J	216	J	811	J
Total HxCDD	75.6	JEB	649	JEB	412	J	153	J	400	J
Total HxCDF	68.4	J	574	J	589	J	273	J	674	J
Total PeCDD	9.0	J	69.2	J	93.6	J	74.6	J	54.5	J
Total PeCDF	41.5	J	256	J	438	J	326	J	470	J
Total TCDD	143	J	939	$J	7840	J&	2060	J&	7290	J&
Total TCDF	32.9	J	187	J	518	J	509	J	540	J
Toxicity Equivalency	147		1020		7670		2090		7170	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2025-0.502-01		CMW-SD-2025-000.5-01		LPX-SD-2045-01		LPX-SD-2046-0.502-01		LPX-SD-2046-000.5-01	
Sample Location	CMW-SD-2025		CMW-SD-2025		LPX-SD-2045		LPX-SD-2046		LPX-SD-2046	
Interval	0.5-2.0		0.0-0.5		0.0-0.5		0.5-2.0		0.0-0.5	
Date Sampled	10/28/99		10/28/99		11/8/99		11/8/99		11/8/99	
QC Identifier	None		None		None		None		None	
TAL Metal Analysis (MG/KG)	D00928		D00924		D01016		D01018		D01017	
Aluminum	4180		8410		13400		14200		12200	
Antimony	0.85	UJ	1.4	UJ	3.9	J	3.5	J	3.5	J
Arsenic	2.0		4.4		8.3		7.3		5.4	
Barium	33.0		91.3		220		139		235	
Beryllium	0.52	U	1.1		2.9		2.0		2.8	
Cadmium	0.43	U	1.7		2.7		4.9		2.3	
Calcium	1370	J	3170	J	4600		2570		2960	
Chromium	30.8		67.4		177		181		187	
Cobalt	5.3		7.5		13.7		10.1		12.7	
Copper	29.9		93.0		191		319		172	
Iron	6840		16000		19500		19200		20100	
Lead	88.9		264		413		447		357	
Magnesium	1070	J	2840	J	2880		3610		2520	
Manganese	110		268		430		264		472	
Mercury	1.0		0.36		0.42		0.55		0.53	
Nickel	6.6		17.8		72.9		61.7		53.4	
Potassium	571	J	1340	J	1490		1680		1300	
Selenium	1.3	U	0.89	U	1.5	J	0.98	UJ	1.0	UJ
Silver	2.2	U	4.6		9.4	J	8.2	J	8.6	J
Sodium	95.0	UJ	213	J	194	U	198	U	236	U
Thallium	0.59	U	0.41	U	0.87	U	0.78	U	0.83	U
Vanadium	11.6		31.0		46.1		55.5		37.7	
Zinc	116	J	446	J	745		1250		662	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SD-2025-0.502-01		CMW-SD-2025-000 5-01		LPX-SD-2045-01		LPX-SD-2046-0.502-01		LPX-SD-2046-000 5-01	
Sample Location	CMW-SD-2025		CMW-SD-2025		LPX-SD-2045		LPX-SD-2046		LPX-SD-2046	
Interval	0 5-2 0		0 0-0 5		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	10/28/99		10/28/99		11/8/99		11/8/99		11/8/99	
QC Identifier	None		None		None		None		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)			D00924		D01016				D01017	
Acid Volatile Sulfide		NA	28 28051		22 03724			NA	22 60794	
Cadmium		NA	0 0203	J	0 02847	J		NA	0 02659	J
Copper		NA	1 1516		2 28876			NA	2 26537	
Lead		NA	1 3347		1 81226			NA	1 68049	
Mercury		NA	0 00007	U	0 00012	UJ		NA	0 0001	UJ
Nickel		NA	0 2207	J	0 99028	J		NA	1 14098	J
SEM/AVS			0 34816		0 70727				0 7183	
Simultaneously Extracted Metal		NA	9 84609		15 58637			NA	16 23937	
Zinc		NA	7 11878		10 46661			NA	11 12593	
Total Organic Carbon Analysis (MG/KG)			D00924		D01016				D01017	
Total Orgahic Carbon		NA	78200		88300			NA	71800	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-2046-0204-01		LPX-SD-2047-01		LPX-SD-2048-0 502-01		LPX-SD-2048-000 5-01	
Sample Location	LPX-SD-2046		LPX-SD-2047		LPX-SD-2048		LPX-SD-2048	
Interval	2 0-4 0		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	11/8/99		11/8/99		11/9/99		11/9/99	
QC Identifier	None		None		None		Field Dup. LPX-SD-2048-000 5-01	
Semivolatile Organic Analysis (UG/KG)	D01019		D01010		D01025		D01024	
1,1'-Biphenyl		NA		NA		NA		NA
1,2,4-Trichlorobenzene	2500	U	2500	UJ	2500	U	2400	U
1,2-Dichlorobenzene	2500	U	2500	U	2500	U	2400	U
1,3-Dichlorobenzene	2500	U	2500	U	2500	U	2400	U
1,4-Dichlorobenzene	2500	U	2500	UJ	2500	U	2400	U
2,2'-oxybis(1-Chloropropane)	2500	U	2500	U	2500	U	2400	U
2,4,5-Trichlorophenol	6200	U	6200	U	6300	U	6200	U
2,4,6-Trichlorophenol	2500	U	2500	U	2500	U	2400	U
2,4-Dichlorophenol	2500	U	2500	U	2500	U	2400	U
2,4-Dimethylphenol	2500	U	2500	U	2500	U	2400	U
2,4-Dinitrophenol	6200	U	6200	U	6300	UJ	6200	UJ
2,4-Dinitrotpluene	2500	U	2500	U	2500	U	2400	U
2,6-Dinitrotoluene	2500	U	2500	U	2500	U	2400	U
2-Chloronaphthalene	2500	U	2500	U	2500	U	2400	U
2-Chlorophenol	2500	U	2500	UJ	2500	U	2400	U
2-Methylnaphthalene	2500	U	2500	U	2500	U	2400	U
2-Methylphenol	2500	U	2500	U	2500	U	2400	U
2-Nitroaniline	6200	U	6200	U	6300	U	6200	U
2-Nitrophenol	2500	U	2500	U	2500	U	2400	U
3,3'-Dichlorobenzidine	2500	U	2500	U	2500	U	2400	U
3-Nitroaniline	6200	U	6200	U	6300	U	6200	U
4,6-Dinitro-2-methylphenol	6200	U	6200	U	6300	U	6200	U
4-Bromophenyl-phenylether	2500	U	2500	U	2500	U	2400	U
4-Chloro-3-methylphenol	2500	U	2500	UJ	2500	U	2400	U
4-Chloroaniline	2500	U	2500	U	2500	U	2400	U
4-Chlorophenyl-phenylether	2500	U	2500	U	2500	U	2400	U
4-Methylphenol	2500	U	2500	U	2500	U	2400	U
4-Nitroaniline	6200	U	6200	U	6300	U	6200	U
4-Nitrophenol	6200	U		R	6300	U	6200	U
Acenaphthene	2500	U	2500	UJ	2500	U	2400	U
Acenaphthylene	2500	U	2500	U	2500	U	2400	U
Acetophenone		NA		NA		NA		NA
Anthracene	2500	U	2500	U	360	J	2400	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-2046-0204-01		LPX-SD-2047-01		LPX-SD-2048-0 502-01		LPX-SD-2048-000 5-01	
Sample Location	LPX-SD-2046		LPX-SD-2047		LPX-SD-2048		LPX-SD-2048	
Interval	2 0-4 0		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	11/8/99		11/8/99		11/9/99		11/9/99	
QC Identifier	None		None		None		Field Dup. LPX-SD-2048-000 5-01	
Atrazine		NA		NA		NA		NA
Benzaldehyde		NA		NA		NA		NA
Benzo(a)anthracene	250	J	350	J	1700	J	940	J
Benzo(a)pyrene	270	J	390	J	1800	J	980	J
Benzo(b)fluoranthene	280	J	370	J	2200	J	1100	J
Benzo(g,h,i)perylene	2500	U	260	J	890	J	690	J
Benzo(k)fluoranthene	2500	U	380	J	1900	J	960	J
Bis(2-Chloroethoxy)methane	2500	U	2500	U	2500	U	2400	U
Bis(2-Chloroethyl)ether	2500	U	2500	U	2500	U	2400	U
bis(2-Ethylhexyl)phthalate	2500	UJ	630	J	4400		2400	U
Butylbenzylphthalate	2500	UJ	2500	UJ	1000	J	250	J
Caprolactam		NA		NA		NA		NA
Carbazole	2500	U	2500	U	2500	U	2400	U
Chrysene	330	J	460	J	2400	J	1300	J
Di-n-Butylphthalate	2500	U	2500	U	2500	U	2400	U
Di-n-octylphthalate	2500	UJ	2500	UJ	2500	U	2400	U
Dibenzo(a,h)anthracene	2500	U	2500	U	2500	U	2400	U
Dibenzofuran	2500	U	2500	U	2500	U	2400	U
Diethylphthalate	2500	U	2500	U	2500	U	2400	U
Dimethylphthalate	2500	U	2500	U	2500	U	2400	U
Fluoranthene	370	J	750	J	4600		3000	
Fluorene	2500	U	2500	U	320	J	2400	U
Hexachlorobenzene	2500	U	2500	U	2500	U	2400	U
Hexachlorobutadiene	2500	U	2500	U	2500	U	2400	U
Hexachlorocyclopentadiene	2500	U	2500	U	2500	U	2400	U
Hexachloroethane	2500	U	2500	U	2500	U	2400	U
Indeno(1,2,3-cd)pyrene	2500	U	280	J	970	J	640	J
Isophorone	2500	U	2500	U	2500	U	2400	U
N-Nitroso-di-n-propylamine	2500	U	2500	UJ	2500	U	2400	U
N-Nitroso-diphenylamine	2500	U	2500	U	2500	U	2400	U
Naphthalene	2500	U	2500	U	2500	U	2400	U
Nitrobenzene	2500	U	2500	U	2500	U	2400	U
Pentachlorophenol	6200	U	6200	UJ	6300	U	6200	U
Phenanthrene	2500	U	320	J	3000		1400	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-2046-0204-01		LPX-SD-2047-01		LPX-SD-2048-0 502-01		LPX-SD-2048-000 5-01	
Sample Location	LPX-SD-2046		LPX-SD-2047		LPX-SD-2048		LPX-SD-2048	
Interval	2 0-4 0		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	11/8/99		11/8/99		11/9/99		11/9/99	
QC Identifier	None		None		None		Field Dup. LPX-SD-2048-000 5-01	
Phenol	2500	U	2500	UJ	2500	U	2400	U
Pyrene	440	J	710	J	3800		2400	J
Total PAH	320		490		2300		1300	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-2046-0204-01		LPX-SD-2047-01		LPX-SD-2048-0.502-01		LPX-SD-2048-000.5-01	
Sample Location	LPX-SD-2046		LPX-SD-2047		LPX-SD-2048		LPX-SD-2048	
Interval	2.0-4.0		0.0-0.5		0.5-2.0		0.0-0.5	
Date Sampled	11/8/99		11/8/99		11/9/99		11/9/99	
QC Identifier	None		None		None		Field Dup. LPX-SD-2048-000.5-01	
Pesticide/PCB Analysis (UG/KG)	D01019		D01010		D01025		D01024	
4,4'-DDD	4.9	U	4.9	U	15		6.2	J
4,4'-DDE	4.9	U	4.9	U	5.0	U	4.9	U
4,4'-DDT	4.9	U	4.9	U	5.0	U	4.9	U
Aldrin	2.5	U	2.5	UJ	2.6	U	2.5	U
alpha-BHC	2.5	U	2.5	U	2.6	U	2.5	U
alpha-Chlordane	2.5	U	2.5	U	24		28	
Aroclor, Total	100	U	118		244		231	
Aroclor-1016	49	U	49	U	50	U	49	U
Aroclor-1221	100	U	100	U	100	U	99	U
Aroclor-1232	49	U	49	U	50	U	49	U
Aroclor-1242	49	U	49	U	50	U	49	U
Aroclor-1248	49	U	30	J	94		81	
Aroclor-1254	49	U	56		150		150	
Aroclor-1260	49	U	32	J	50	U	49	U
beta-BHC	2.5	U	2.5	U	2.6	U	2.5	U
delta-BHC	2.5	U	2.5	U	2.6	U	2.5	U
Dieldrin	4.9	U	4.9	UJ	5.0	U	4.9	U
Endosulfan I	2.5	U	2.5	U	2.6	U	2.5	U
Endosulfan II	4.9	U	7.0	EB	5.0	U	4.9	U
Endosulfan Sulfate	4.9	U	4.9	U	5.0	U	4.9	U
Endrin	4.9	U	4.9	U	5.0	U	4.9	U
Endrin Aldehyde	4.9	U	4.9	U	5.0	U	4.9	U
Endrin Ketone	4.9	U	4.9	U	5.0	U	4.9	U
gamma-BHC	2.5	U	2.5	UJ	2.6	U	2.5	U
gamma-Chlordane	2.5	U	2.5	U	32		29	
Heptachlor	2.5	U	2.5	U	2.6	U	2.5	U
Heptachlor Epoxide	2.5	U	2.5	U	2.6	U	2.5	U
Methoxychlor	25	U	25	U	26	U	25	U
Toxaphene	250	U	250	U	260	U	250	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-2046-0204-01		LPX-SD-2047-01		LPX-SD-2048-0 502-01		LPX-SD-2048-000 5-01	
Sample Location	LPX-SD-2046		LPX-SD-2047		LPX-SD-2048		LPX-SD-2048	
Interval	2 0-4 0		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	11/8/99		11/8/99		11/9/99		11/9/99	
QC Identifier	None		None		None		Field Dup. LPX-SD-2048-000 5-01	
Dioxin Analysis (NG/KG)	D01019		D01010		D01025		D01024	
1,2,3,4,6,7,8-HpCDD	9 6	U	794	J	702		494	J
1,2,3,4,6,7,8-HpCDF	4 9	U	296	J	131		97 0	J
1,2,3,4,7,8,9-HpCDF	0 60	U	24 9	J	9 6		5 7	EMPC
1,2,3,4,7,8-HxCDD	0 81	EMPC	15 0	J	8 1		7 7	J
1,2,3,4,7,8-HxCDF	2 9	U	52 2	J	15 0		10 7	J
1,2,3,6,7,8-HxCDD	1 8	EMPC	40 4	J	32 9		26 1	J
1,2,3,6,7,8-HxCDF	1 1	EMPC	28 1	J	10 3		7 9	J
1,2,3,7,8,9-HxCDD	2 6	J	42 4	J	25 6		20 0	J
1,2,3,7,8,9-HxCDF	0 30	U	2 5	J	0 70	U	0 70	UJ
1,2,3,7,8-PeCDD	1 3	J	10 7	J	6 7	J	5 1	J
1,2,3,7,8-PeCDF	1 2	J	8 6	EMPC	4 5	J	4 2	J
1,2,4,5,7,8-hexachloro(9H)xanthene	1 42	J	1068 201	J	127 886	J	31 439	J
2,3,4,6,7,8-HxCDF	1 0	J	31 7	J	13 9		9 0	J
2,3,4,7,8-PeCDF	1 7	J	16 9	J	7 0		4 6	J
2,3,7,8-TCDD	14 6		4130	J&	440	&	179	J
2,3,7,8-TCDF	4 1		38 4	J	16 1		6 4	J
OCDD	38 3	J	5820	J&	4460	&	3620	J
OCDF	5 3	J	504	J	286	J	207	J
Total HpCDD	16 2	EMPC	1440	J	1630	J	1060	J
Total HpCDF	7 3	UJ	667	J	387	J	230	J
Total HxCDD	19 9	EMPC	354	J	234	J	177	J
Total HxCDF	8 0	J	468	J	219	J	136	J
Total PeCDD	12 1	J	87 7	J	52 8	J	41 2	J
Total PeCDF	10 9	J	295	J	140	J	68 7	J
Total TCDD	30 7	J	4230	J&	440	J&	202	J
Total TCDF	23 6	J	360	J	181	J	33 4	J
Toxicity Equivalency	18 2		4190		472		202	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-2046-0204-01		LPX-SD-2047-01		LPX-SD-2048-0 502-01		LPX-SD-2048-000 5-01	
Sample Location	LPX-SD-2046		LPX-SD-2047		LPX-SD-2048		LPX-SD-2048	
Interval	2 0-4 0		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	11/8/99		11/8/99		11/9/99		11/9/99	
QC Identifier	None		None		None		Field Dup. LPX-SD-2048-000 5-01	
TAL Metal Analysis (MG/KG)	D01019		D01010		D01025		D01024	
Aluminum	8580		11100		4400		7280	
Antimony	0 69	UJ	2 6	J	1 6	J	1 9	J
Arsenic	3 6		4 4		2 2		2 0	J
Barium	31 7		201		40 6		94 0	
Beryllium	3 4		2 1		0 27	J	0 79	
Cadmium	0 11	U	1 5		0 12	J	0 82	J
Calcium	3350		3350		1080	J	2250	J
Chromium	9 5		98 1		60 1		64 8	
Cobalt	2 0	J	12 0		3 3	J	5 8	J
Copper	3 4		135		42 4		94 8	
Iron	7560		21300		9560		15100	
Lead	12 0		250		179		213	
Magnesium	654		2540		1570	J	2280	J
Manganese	138		718		167		417	
Mercury	0 12		0 36		0 10	J	0 13	J
Nickel	4 1		51 3		16 0		23 0	
Potassium	218		1370		656		1350	
Selenium	0 94	UJ	1 1	UJ	0 89	UJ	1 1	UJ
Silver	3 2	UJ	8 4	J	3 1		4 7	
Sodium	132	U	243	U	34 5	U	123	U
Thallium	0 75	U	0 89	U	0 71	U	0 90	U
Vanadium	14 5		30 2		12 6		23 3	
Zinc	17 9		479		138	J	297	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-2046-0204-01		LPX-SD-2047-01		LPX-SD-2048-0 502-01		LPX-SD-2048-000 5-01	
Sample Location	LPX-SD-2046		LPX-SD-2047		LPX-SD-2048		LPX-SD-2048	
Interval	2 0-4 0		0 0-0 5		0 5-2 0		0 0-0.5	
Date Sampled	11/8/99		11/8/99		11/9/99		11/9/99	
QC Identifier	None		None		None		Field Dup. LPX-SD-2048-000 5-01	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)			D01010				D01024	
Acid Volatile Sulfide		NA	24 87057			NA	15 72	
Cadmium		NA	0 016	J		NA	0 01	J
Copper		NA	1 60108			NA	1 39	J
Lead		NA	0 973			NA	0 983	
Mercury		NA	0 0001	U		NA	0 00005	U
Nickel		NA	0 69441	J		NA	0 73	J
SEM/AVS			0 41				0 50	
Simultaneously Extracted Metal		NA	10 20587			NA	7 81	
Zinc		NA	6 92			NA	4 7	J
Total Organic Carbon Analysis (MG/KG)			D01010				D01024	
Total Organic Carbon		NA	71100			NA	63100	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-DU-110999A		LPX-SD-2048-000 5-01-MAX		LPX-SD-2048-0204-01		LPX-SD-2049-01		LPX-SD-2050-01	
Sample Location	LPX-SD-2048		LPX-SD-2048		LPX-SD-2048		LPX-SD-2049		LPX-SD-2050	
Interval	0 0-0 5		0 0-0 5		2 0-4 0		0 0-0 5		0 0-0 5	
Date Sampled	11/9/99		11/9/99		11/9/99		11/5/99		11/5/99	
QC Identifier	Field Dup LPX-SD-2048-000 5-01		Field Dup LPX-SD-2048-000 5-01		None		None		None	
Semivolatile Organic Analysis (UG/KG)	D01026		D01024		D01027		D01004		D01003	
1,1'-Biphenyl		NA		NA		NA		NA		NA
1,2,4-Trichlorobenzene	3700	U	3700	U	2500	U	2500	U	2500	UJ
1,2-Dichlorobenzene	3700	U	3700	U	2500	U	2500	U	2500	UJ
1,3-Dichlorobenzene	3700	U	3700	U	2500	U	2500	U	2500	UJ
1,4-Dichlorobenzene	3700	U	3700	U	2500	U	2500	U	2500	UJ
2,2'-oxybis(1-Chloropropane)	3700	U	3700	U	2500	U	2500	U	2500	UJ
2,4,5-Trichlorophenol	9400	U	9400	U	6300	U	6200	U	6300	U
2,4,6-Trichlorophenol	3700	U	3700	U	2500	U	2500	U	2500	U
2,4-Dichlorophenol	3700	U	3700	U	2500	U	2500	U	2500	U
2,4-Dimethylphenol	3700	U	3700	U	2500	U	2500	U	2500	U
2,4-Dinitrophenol	9400	UJ	9400	U	6300	UJ	6200	U	6300	UJ
2,4-Dinitrotoluene	3700	U	3700	U	2500	U	2500	U	2500	UJ
2,6-Dinitrotoluene	3700	U	3700	U	2500	U	2500	U	2500	UJ
2-Chloronaphthalene	3700	U	3700	U	2500	U	2500	U	2500	UJ
2-Chlorophenol	3700	U	3700	U	2500	U	2500	U	2500	U
2-Methylnaphthalene	3700	U	3700	U	2500	U	2500	U	2500	UJ
2-Methylphenol	3700	U	3700	U	2500	U	2500	U	2500	U
2-Nitroaniline	9400	U	9400	U	6300	U	6200	U	6300	UJ
2-Nitrophenol	3700	U	3700	U	2500	U	2500	U	2500	U
3,3'-Dichlorobenzidine	3700	U	3700	U	2500	U	2500	U	2500	UJ
3-Nitroaniline	9400	U	9400	U	6300	U	6200	U	6300	UJ
4,6-Dinitro-2-methylphenol	9400	U	9400	U	6300	U	6200	U	6300	UJ
4-Bromophenyl-phenylether	3700	U	3700	U	2500	U	2500	U	2500	UJ
4-Chloro-3-methylphenol	3700	U	3700	U	2500	U	2500	U	2500	U
4-Chloroaniline	3700	U	3700	U	2500	U	2500	U	2500	UJ
4-Chlorophenyl-phenylether	3700	U	3700	U	2500	U	2500	U	2500	UJ
4-Methylphenol	3700	U	3700	U	2500	U	2500	U	2500	U
4-Nitroaniline	9400	U	9400	U	6300	U	6200	U	6300	UJ
4-Nitrophenol	9400	U	9400	U	6300	U	6200	U	6300	UJ
Acenaphthene	3700	U	3700	U	2500	U	2500	U	2500	UJ
Acenaphthylene	3700	U	3700	U	2500	U	2500	U	2500	UJ
Acetophenone		NA		NA		NA		NA		NA
Anthracene	3700	U	3700	U	2500	U	2500	U	2500	UJ

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-DU-110999A		LPX-SD-2048-000.5-01-MAX		LPX-SD-2048-0204-01		LPX-SD-2049-01		LPX-SD-2050-01	
Sample Location	LPX-SD-2048		LPX-SD-2048		LPX-SD-2048		LPX-SD-2049		LPX-SD-2050	
Interval	0 0-0 5		0 0-0 5		2 0-4 0		0 0-0 5		0 0-0 5	
Date Sampled	11/9/99		11/9/99		11/9/99		11/5/99		11/5/99	
QC Identifier	Field Dup. LPX-SD-2048-000 5-01		Field Dup. LPX-SD-2048-000.5-01		None		None		None	
Atrazine		NA		NA		NA		NA		NA
Benzaldehyde		NA		NA		NA		NA		NA
Benzo(a)anthracene	1800	J	1800		570	J	2500	U	2500	UJ
Benzo(a)pyrene	1900	J	1900		820	J	2500	U	330	J
Benzo(b)fluoranthene	2000	J	2000		780	J	2500	U	360	J
Benzo(g,h,i)perylene	1200	J	1200		650	J	2500	U	290	J
Benzo(k)fluoranthene	1900	J	1900		820	J	2500	U	340	J
Bis(2-Chloroethoxy)methane	3700	U	3700	U	2500	U	2500	U	2500	UJ
Bis(2-Chloroethyl)ether	3700	U	3700	U	2500	U	2500	U	2500	UJ
bis(2-Ethylhexyl)phthalate	3800	U	3800	U	2500	U	2500	UJ	600	J
Butylbenzylphthalate	660	J	660		2500	U	2500	UJ	2500	UJ
Caprolactam		NA		NA		NA		NA		NA
Carbazole	3700	U	3700	U	2500	U	2500	U	2500	UJ
Chrysene	2700	J	2700		860	J	2500	U	380	J
Di-n-Butylphthalate	3700	U	3700	U	2500	U	2500	U	2500	UJ
Di-n-octylphthalate	3700	U	3700	U	2500	U	2500	UJ	2500	UJ
Dibenzo(a,h)anthracene	3700	U	3700	U	2500	U	2500	U	2500	UJ
Dibenzofuran	3700	U	3700	U	2500	U	2500	U	2500	UJ
Diethylphthalate	3700	U	3700	U	2500	U	2500	U	2500	UJ
Dimethylphthalate	3700	U	3700	U	2500	U	2500	U	2500	UJ
Fluoranthene	4800		4800		1100	J	2500	U	640	J
Fluorene	3700	U	3700	U	2500	U	2500	U	2500	UJ
Hexachlorobenzene	3700	U	3700	U	2500	U	2500	U	2500	UJ
Hexachlorobutadiene	3700	U	3700	U	2500	U	2500	U	2500	UJ
Hexachlorocyclopentadiene	3700	U	3700	U	2500	U	2500	U	2500	UJ
Hexachloroethane	3700	U	3700	U	2500	U	2500	U	2500	UJ
Indeno(1,2,3-cd)pyrene	1200	J	1200		620	J	2500	U	2500	UJ
Isophorone	3700	U	3700	U	2500	U	2500	U	2500	UJ
N-Nitroso-di-n-propylamine	3700	U	3700	U	2500	U	2500	U	2500	UJ
N-Nitroso-diphenylamine	3700	U	3700	U	2500	U	2500	U	2500	UJ
Naphthalene	3700	U	3700	U	2500	U	2500	U	2500	UJ
Nitrobenzene	3700	U	3700	U	2500	U	2500	U	2500	UJ
Pentachlorophenol	9400	U	9400	U	6300	U	6200	U	6300	U
Phenanthrene	2700	J	2700		420	J	2500	U	2500	UJ

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-DU-110999A		LPX-SD-2048-000 5-01-MAX		LPX-SD-2048-0204-01		LPX-SD-2049-01		LPX-SD-2050-01	
Sample Location	LPX-SD-2048		LPX-SD-2048		LPX-SD-2048		LPX-SD-2049		LPX-SD-2050	
Interval	0 0-0 5		0 0-0 5		2 0-4 0		0 0-0 5		0 0-0 5	
Date Sampled	11/9/99		11/9/99		11/9/99		11/5/99		11/5/99	
QC Identifier	Field Dup LPX-SD-2048-000 5-01		Field Dup. LPX-SD-2048-000 5-01		None		None		None	
Phenol	3700	U	3700	U	2500	U	2500	U	2500	U
Pyrene	4400	J	4400		1100	J	2500	U	500	J
Total PAH	2400		2400		1000		2500	U	370	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-DU-110999A		LPX-SD-2048-000.5-01-MAX		LPX-SD-2048-0204-01		LPX-SD-2049-01		LPX-SD-2050-01	
Sample Location	LPX-SD-2048		LPX-SD-2048		LPX-SD-2048		LPX-SD-2049		LPX-SD-2050	
Interval	0 0-0 5		0 0-0.5		2.0-4 0		0 0-0 5		0 0-0 5	
Date Sampled	11/9/99		11/9/99		11/9/99		11/5/99		11/5/99	
QC Identifier	Field Dup. LPX-SD-2048-000 5-01		Field Dup. LPX-SD-2048-000 5-01		None		None		None	
Pesticide/PCB Analysis (UG/KG)	D01026		D01024		D01027		D01004		D01003	
4,4'-DDD	7 4	UJ	6 2		5 0	UJ	4 9	U	5 8	U
4,4'-DDE	7 4	U	7 4	U	5 0	UJ	4 9	U	5 8	U
4,4'-DDT	7 4	U	7 4	U	5 0	UJ	4 9	U	5 8	U
Aldrin	3 8	U	3 8	U	2 6	UJ	2 5	U	3 0	U
alpha-BHC	3 8	U	3 8	U	2 6	UJ	2 5	U	3 0	U
alpha-Chlordane	26		28		5.3	J	2 5	U	3 0	U
Aroclor, Total	267		267		244		43		147	
Aroclor-1016	74	U	74	U	50	UJ	49	U	58	U
Aroclor-1221	150	U	150	U	100	UJ	100	U	120	U
Aroclor-1232	74	U	74	U	50	UJ	49	U	58	U
Aroclor-1242	74	U	74	U	50	UJ	49	U	58	U
Aroclor-1248	87		87		74	J	49	U	38	J
Aroclor-1254	180		180		170	J	49	U	73	
Aroclor-1260	74	U	74	U	50	UJ	43	J	36	J
beta-BHC	3 8	U	3 8	U	2 6	UJ	2 5	U	3 0	U
delta-BHC	3 8	U	3 8	U	2 6	UJ	2 5	U	3 0	U
Dieldrin	7 4	U	7 4	U	5 0	UJ	4 9	U	5 8	U
Endosulfan I	3 8	U	3 8	U	2 6	UJ	2 5	U	3 0	U
Endosulfan II	7 4	U	7 4	U	16	J	4 9	U	5 8	U
Endosulfan Sulfate	7 4	U	7 4	U	5 0	UJ	4 9	U	5 8	U
Endrin	7 4	U	7 4	U	5 0	UJ	4 9	U	5 8	U
Endrin Aldehyde	7 4	U	7 4	U	5 0	UJ	4 9	U	5 8	U
Endrin Ketone	7 4	U	7 4	U	5 0	UJ	4 9	U	5 8	U
gamma-BHC	3 8	U	3 8	U	2 6	UJ	2 5	U	3 0	U
gamma-Chlordane	31		31		11	J	2 5	U	3 0	U
Heptachlor	3 8	U	3 8	U	2 6	UJ	2 5	U	3 0	U
Heptachlor Epoxide	3 8	U	3 8	U	2 6	UJ	2 5	U	3 0	U
Methoxychlor	38	U	38	U	26	UJ	25	U	30	U
Toxaphene	380	U	380	U	260	UJ	250	U	300	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-DU-110999A		LPX-SD-2048-000.5-01-MAX		LPX-SD-2048-0204-01		LPX-SD-2049-01		LPX-SD-2050-01	
Sample Location	LPX-SD-2048		LPX-SD-2048		LPX-SD-2048		LPX-SD-2049		LPX-SD-2050	
Interval	0 0-0 5		0 0-0 5		2 0-4 0		0 0-0 5		0 0-0 5	
Date Sampled	11/9/99		11/9/99		11/9/99		11/5/99		11/5/99	
QC Identifier	Field Dup. LPX-SD-2048-000 5-01		Field Dup. LPX-SD-2048-000.5-01		None		None		None	
Dioxin Analysis (NG/KG)	D01026		D01024		D01027		D01004		D01003	
1,2,3,4,6,7,8-HpCDD	1200	J	1200		121		9 3	J	1830	J
1,2,3,4,6,7,8-HpCDF	209	J	209		89 0		3 2	EMPC	529	J
1,2,3,4,7,8,9-HpCDF	29 9	J	29 9		4 2	J	3 4	UJ	23 7	J
1,2,3,4,7,8-HxCDD	17 5	J	17 5		3 4	J	2 6	UJ	31 0	J
1,2,3,4,7,8-HxCDF	20 2	J	20 2		12 6		1 6	UJ	49 3	J
1,2,3,6,7,8-HxCDD	60 9	J	60 9		9 4		2 4	UJ	83 6	J
1,2,3,6,7,8-HxCDF	14 7	J	14 7		9 1			R	34 1	J
1,2,3,7,8,9-HxCDD	21 2	J	21 2		9 7		2 5	UJ	95 9	J
1,2,3,7,8,9-HxCDF	1 1	J	1 1		1 5	U	1 8	UJ	2 3	UJ
1,2,3,7,8-PeCDD	9 4	J	9 4		5 1	J	1 8	UJ	39 2	J
1,2,3,7,8-PeCDF	6 2	J	6 2		3 6	J	1 0	UJ	14 7	J
1,2,4,5,7,8-hexachloro(9H)xanthene	103 615	J	103.615		101.685	J	0 00	U	548 91	J
2,3,4,6,7,8-HxCDF	18 0	J	18 0		11 4		1 6	UJ	35 5	J
2,3,4,7,8-PeCDF	6 7	J	6 7		6.7		1 1	UJ	24 1	J
2,3,7,8-TCDD	374	J	374		382	&	28 7	J	6190	J$
2,3,7,8-TCDF	13 6	J	13 6		21 3		1 9	J	71 3	J
OCDD	5740	J&	5740		824	J	56 4	J	8780	J$
OCDF	542	J	542		83 8	J	7 2	UJ	864	J
Total HpCDD	2840	J	2840		307	J	16 7	J	3710	J
Total HpCDF	841	J	841		159	J	3 2	EMPC	1110	J
Total HxCDD	384	J	384		97 2	J	2 5	UJ	739	J
Total HxCDF	266	J	266		175	J	1 6	UJ	729	J
Total PeCDD	66 6	J	66 6		35 9	J	1 8	UJ	209	J
Total PeCDF	112	J	112		178	J	1 4	EMPC	783	J
Total TCDD	407	J	407		382	J&	28 7	J	6380	J$
Total TCDF	103	J	103		262	J	3 6	J	1300	J
Toxicity Equivalency	419		419		401		30 9		6310	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-DU-110999A		LPX-SD-2048-000.5-01-MAX		LPX-SD-2048-0204-01		LPX-SD-2049-01		LPX-SD-2050-01	
Sample Location	LPX-SD-2048		LPX-SD-2048		LPX-SD-2048		LPX-SD-2049		LPX-SD-2050	
Interval	0 0-0 5		0 0-0 5		2 0-4 0		0 0-0 5		0 0-0 5	
Date Sampled	11/9/99		11/9/99		11/9/99		11/5/99		11/5/99	
QC Identifier	Field Dup. LPX-SD-2048-000.5-01		Field Dup. LPX-SD-2048-000.5-01		None		None		None	
TAL Metal Analysis (MG/KG)	D01026		D01024		D01027		D01004		D01003	
Aluminum	5860		7280		11800		10800		14500	
Antimony	1 8	J	1 9		4 0	J	0.87	J	3 5	J
Arsenic	2 0	J	2 0		7 0		3 4		10 0	
Barium	77 4		94 0		103		71 5		262	
Beryllium	0 51		0 79		0 99		0 96		3 4	
Cadmium	0 66	J	0 82		0 97	J	0 79		3 8	
Calcium	1710	J	2250		2090	J	1450		5860	
Chromium	55 6		64 8		133		30 9		157	
Cobalt	3 6	J	5 8		7 8	J	5 5		16 7	
Copper	71 3		94 8		105		20 1		209	
Iron	12200		15100		14600		7050		26100	
Lead	177		213		318		40 0		399	
Magnesium	1820	J	2280		3040	J	1190		2870	
Manganese	350		417		292		503		1970	
Mercury	1 2	J	1 2		0 25	J	0 19		0 50	
Nickel	18 2		23 0		31 6		6 5		113	
Potassium	1030		1350		1300		406		1710	
Selenium	1 0	UJ	1 1	U	1 7	J	1 4	J	2 7	J
Silver	3 9		4 7		4 0		2 7	J	10 6	J
Sodium	73 9	U	123	U	171	U	206	U	480	U
Thallium	0 81	U	0 90	U	0 79	U	0 52	U	0 92	U
Vanadium	17 8		23 3		30 3		17 2		50 4	
Zinc	236	J	297		665	J	44 9		976	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-DU-110999A		LPX-SD-2048-000.5-01-MAX		LPX-SD-2048-0204-01		LPX-SD-2049-01		LPX-SD-2050-01	
Sample Location	LPX-SD-2048		LPX-SD-2048		LPX-SD-2048		LPX-SD-2049		LPX-SD-2050	
Interval	0 0-0 5		0 0-0 5		2 0-4 0		0 0-0 5		0 0-0 5	
Date Sampled	11/9/99		11/9/99		11/9/99		11/5/99		11/5/99	
QC Identifier	Field Dup. LPX-SD-2048-000 5-01		Field Dup. LPX-SD-2048-000.5-01		None		None		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)	D01026		D01024				D01004		D01003	
Acid Volatile Sulfide	16 72		16.72			NA	0 07518	U	16.62605	
Cadmium	0 008	J	0 01			NA	0 01167		0 0301	J
Copper	0 78	J	1 39			NA	0 20346		2 04076	
Lead	0 804		0 983			NA	0 16263		1 44103	
Mercury	0 00005	U	0 00005	U		NA	0 00005	UJ	0 00011	UJ
Nickel	0 82	J	0 82			NA	0 7837	J	2 22081	J
SEM/AVS	0 37		0 50				22 45173		1 01664	
Simultaneously Extracted Metal	6 19		7 81			NA	1 68791		16 9027	
Zinc	3 78	J	4 7			NA	0 52646		11 17	
Total Organic Carbon Analysis (MG/KG)	D01026		D01024				D01004		D01003	
Total Organic Carbon	62600		63100			NA	25200		116000	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-2051-01		LPX-SD-2052-0.504-01		LPX-SD-2052-000.5-01		LPX-SD-2053-0.502-01		LPX-SD-2053-000.5-01	
Sample Location	LPX-SD-2051		LPX-SD-2052		LPX-SD-2052		LPX-SD-2053		LPX-SD-2053	
Interval	0.0-0.5		0.5-4.0		0.0-0.5		0.5-2.0		0.0-0.5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/4/99		11/4/99	
QC Identifier	None		None		None		None		Field Dup LPX-SD-2053-000.5-01	
Semivolatile Organic Analysis (UG/KG)	D00997		D00996		D00991		D00994		D00992	
1,1'-Biphenyl		NA		NA		NA		NA		NA
1,2,4-Trichlorobenzene	2500	U	2400	U	4900	U	4900	U	4700	U
1,2-Dichlorobenzene	2500	U	2400	U	4900	U	4900	U	4700	U
1,3-Dichlorobenzene	2500	U	2400	U	4900	U	4900	U	4700	U
1,4-Dichlorobenzene	2500	U	2400	U	4900	U	4900	U	4700	U
2,2'-oxybis(1-Chloropropane)	2500	U	2400	U	4900	U	4900	U	4700	U
2,4,5-Trichlorophenol	6200	U	6100	U	12000	U	12000	U	12000	U
2,4,6-Trichlorophenol	2500	U	2400	U	4900	U	4900	U	4700	U
2,4-Dichlorophenol	2500	U	2400	U	4900	U	4900	U	4700	U
2,4-Dimethylphenol	2500	U	2400	U	4900	U	4900	U	4700	U
2,4-Dinitrophenol	6200	UJ	6100	UJ	12000	UJ	12000	UJ	12000	UJ
2,4-Dinitrotoluene	2500	U	2400	U	4900	U	4900	U	4700	U
2,6-Dinitrotoluene	2500	U	2400	U	4900	U	4900	U	4700	U
2-Chloronaphthalene	2500	U	2400	U	4900	U	4900	U	4700	U
2-Chlorophenol	2500	U	2400	U	4900	U	4900	U	4700	U
2-Methylnaphthalene	2500	U	2400	U	4900	U	4900	U	4700	U
2-Methylphenol	2500	U	2400	U	4900	U	4900	U	4700	U
2-Nitroaniline	6200	UJ	6100	UJ	12000	UJ	12000	UJ	12000	UJ
2-Nitrophenol	2500	U	2400	U	4900	U	4900	U	4700	U
3,3'-Dichlorobenzidine	2500	U	2400	U	4900	U	4900	U	4700	U
3-Nitroaniline	6200	U	6100	U	12000	U	12000	U	12000	U
4,6-Dinitro-2-methylphenol	6200	UJ	6100	UJ	12000	UJ	12000	UJ	12000	UJ
4-Bromophenyl-phenylether	2500	U	2400	U	4900	U	4900	U	4700	U
4-Chloro-3-methylphenol	2500	U	2400	U	4900	U	4900	U	4700	U
4-Chloroaniline	2500	U	2400	U	4900	U	4900	U	4700	U
4-Chlorophenyl-phenylether	2500	U	2400	U	4900	U	4900	U	4700	U
4-Methylphenol	2500	U	2400	U	4900	U	4900	U	4700	U
4-Nitroaniline	6200	U	6100	U	12000	U	12000	U	12000	U
4-Nitrophenol	6200	UJ	6100	UJ	12000	UJ	12000	UJ	12000	UJ
Acenaphthene	2500	U	2400	U	4900	U	4900	U	4700	U
Acenaphthylene	2500	U	2400	U	4900	U	4900	U	4700	U
Acetophenone		NA		NA		NA		NA		NA
Anthracene	2500	U	2400	U	4900	U	4900	U	4700	U

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

Sample Number	LPX-SD-2051-01		LPX-SD-2052-0 504-01		LPX-SD-2052-000 5-01		LPX-SD-2053-0 502-01		LPX-SD-2053-000.5-01	
Sample Location	LPX-SD-2051		LPX-SD-2052		LPX-SD-2052		LPX-SD-2053		LPX-SD-2053	
Interval	0 0-0 5		0 5-4 0		0 0-0 5		0 5-2.0		0 0-0 5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/4/99		11/4/99	
QC Identifier	None		None		None		None		Field Dup LPX-SD-2053-000 5-01	
Atrazine		NA		NA		NA		NA		NA
Benzaldehyde		NA		NA		NA		NA		NA
Benzo(a)anthracene	2500	U	270	J	1000	J	690	J	4700	U
Benzo(a)pyrene	2500	U	250	J	1100	J	720	J	4700	U
Benzo(b)fluoranthene	2500	U	310	J	1500	J	760	J	4700	U
Benzo(g,h,i)perylene	2500	U	2400	U	4900	U	530	J	4700	U
Benzo(k)fluoranthene	2500	U	260	J	1600	J	820	J	4700	U
Bis(2-Chloroethoxy)methane	2500	U	2400	U	4900	U	4900	U	4700	U
Bis(2-Chloroethyl)ether	2500	U	2400	U	4900	U	4900	U	4700	U
bis(2-Ethylhexyl)phthalate	260	J	2400	U	2500	J	870	J	4700	U
Butylbenzylphthalate	2500	U	2400	U	4900	U	4900	U	4700	U
Caprolactam		NA		NA		NA		NA		NA
Carbazole	2500	U	2400	U	4900	U	4900	U	4700	U
Chrysene	2500	U	370	J	1700	J	900	J	4700	U
Di-n-Butylphthalate	2500	U	2400	U	4900	U	4900	U	4700	U
Di-n-octylphthalate	2500	U	2400	U	4900	U	4900	U	4700	U
Dibenzo(a,h)anthracene	2500	U	2400	U	4900	U	4900	U	4700	U
Dibenzofuran	2500	U	2400	U	4900	U	4900	U	4700	U
Diethylphthalate	2500	U	2400	U	4900	U	4900	U	4700	U
Dimethylphthalate	2500	U	2400	U	4900	U	4900	U	4700	U
Fluoranthene	360	J	760	J	2800	J	1900	J	630	J
Fluorene	2500	U	2400	U	4900	U	4900	U	4700	U
Hexachlorobenzene	2500	U	2400	U	4900	U	4900	U	4700	U
Hexachlorobutadiene	2500	U	2400	U	4900	U	4900	U	4700	U
Hexachlorocyclopentadiene	2500	UJ	2400	UJ	4900	UJ	4900	UJ	4700	UJ
Hexachloroethane	2500	U	2400	U	4900	U	4900	U	4700	U
Indeno(1,2,3-cd)pyrene	2500	U	2400	U	960	J	530	J	4700	U
Isophorone	2500	U	2400	U	4900	U	4900	U	4700	U
N-Nitroso-di-n-propylamine	2500	U	2400	U	4900	U	4900	U	4700	U
N-Nitroso-diphenylamine	2500	U	2400	U	4900	U	4900	U	4700	U
Naphthalene	2500	U	2400	U	4900	U	4900	U	4700	U
Nitrobenzene	2500	U	2400	U	4900	U	4900	U	4700	U
Pentachlorophenol	6200	U	6100	U	12000	U	12000	U	12000	U
Phenanthrene	2500	U	420	J	1000	J	900	J	4700	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-2051-01		LPX-SD-2052-0.504-01		LPX-SD-2052-000.5-01		LPX-SD-2053-0.502-01		LPX-SD-2053-000.5-01	
Sample Location	LPX-SD-2051		LPX-SD-2052		LPX-SD-2052		LPX-SD-2053		LPX-SD-2053	
Interval	0 0-0.5		0 5-4 0		0 0-0.5		0 5-2 0		0 0-0 5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/4/99		11/4/99	
QC Identifier	None		None		None		None		Field Dup. LPX-SD-2053-000.5-01	
Phenol	2500	U	2400	U	4900	U	4900	U	4700	U
Pyrene	290	J	580	J	2200	J	1500	J	4700	U
Total PAH	2500	U	310		1500		930		4700	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-2051-01		LPX-SD-2052-0 504-01		LPX-SD-2052-000 5-01		LPX-SD-2053-0 502-01		LPX-SD-2053-000 5-01	
Sample Location	LPX-SD-2051		LPX-SD-2052		LPX-SD-2052		LPX-SD-2053		LPX-SD-2053	
Interval	0 0-0 5		0 5-4 0		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/4/99		11/4/99	
QC Identifier	None		None		None		None		Field Dup. LPX-SD-2053-000 5-01	
Pesticide/PCB Analysis (UG/KG)	D00997		D00996		D00991		D00994		D00992	
4,4'-DDD	5 0	U	4 9	U	4 8	U	4 9	U	4 8	U
4,4'-DDE	5 0	U	4 9	U	4 8	U	4 9	U	4 8	U
4,4'-DDT	5 0	U	4 9	U	4 8	U	4 9	U	4 8	U
Aldrin	2 6	U	2 5	U	2 5	U	2 5	U	2 5	U
alpha-BHC	2 6	U	2 5	U	2 5	U	2 5	U	2 5	U
alpha-Chlordane	2 6	U	2 5	U	2 5	U	4 1		3 3	
Aroclor, Total	50		42		97		26		173	
Aroclor-1016	50	U	49	U	48	U	49	U	48	U
Aroclor-1221	100	U	99	U	97	U	100	U	97	U
Aroclor-1232	50	U	49	U	48	U	49	U	48	U
Aroclor-1242	50	U	49	U	48	U	49	U	48	U
Aroclor-1248	50	U	49	U	16	J	26	J	23	J
Aroclor-1254	50		42	J	81		49	U	130	
Aroclor-1260	50	U	49	U	48	U	49	U	20	J
beta-BHC	2 6	U	2 5	U	2 5	U	2 5	U	2 5	U
delta-BHC	2 6	U	2 5	U	2 5	U	2 5	U	2 5	U
Dieldrin	5 0	U	4 9	U	4 8	U	4 9	U	4 8	U
Endosulfan I	2 6	U	2 5	U	2 5	U	2 5	U	2 5	U
Endosulfan II	7 4	EB	6 9	EB	6 1		4 9	U	6 9	
Endosulfan Sulfate	5 0	U	4 9	U	4 8	U	4 9	U	4 8	U
Endrin	5 0	U	4 9	U	4 8	U	4 9	U	4 8	U
Endrin Aldehyde	5 0	U	4 9	U	4 8	U	4 9	U	4 8	U
Endrin Ketone	5 0	U	4 9	U	4 8	U	4 9	U	4 8	U
gamma-BHC	2 6	U	2 5	U	2 5	U	2 5	U	2 5	U
gamma-Chlordane	2 6	U	2 5	U	2 5	U	5 2		4 1	
Heptachlor	2 6	U	2 5	U	2 5	U	2 5	U	2 5	U
Heptachlor Epoxide	2 6	U	2 5	U	2 5	U	2 5	U	2 5	U
Methoxychlor	26	U	25	U	25	U	25	U	25	U
Toxaphene	260	U	250	U	250	U	250	U	250	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-2051-01		LPX-SD-2052-0.504-01		LPX-SD-2052-000.5-01		LPX-SD-2053-0.502-01		LPX-SD-2053-000.5-01	
Sample Location	LPX-SD-2051		LPX-SD-2052		LPX-SD-2052		LPX-SD-2053		LPX-SD-2053	
Interval	0.0-0.5		0.5-4.0		0.0-0.5		0.5-2.0		0.0-0.5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/4/99		11/4/99	
QC Identifier	None		None		None		None		Field Dup. LPX-SD-2053-000.5-01	
Dioxin Analysis (NG/KG)	D00997		D00996		D00991		D00994		D00992	
1,2,3,4,6,7,8-HpCDD	935	J	95.0		1710	J	69.3		600	
1,2,3,4,6,7,8-HpCDF	232	J	22.7		575	J	17.9		162	
1,2,3,4,7,8,9-HpCDF	14.1	J	1.2	J	32.2	J	1.4	J	11.6	
1,2,3,4,7,8-HxCDD	16.4	J	2.8	J	26.5	J	0.98	J	11.0	
1,2,3,4,7,8-HxCDF	34.8	J	4.4	J	56.5	J	2.6	J	22.3	
1,2,3,6,7,8-HxCDD	42.8	J	5.2		82.5	J	3.2	J	29.1	
1,2,3,6,7,8-HxCDF	22.5	J	3.2	J	45.4	J	1.7	J	15.1	J
1,2,3,7,8,9-HxCDD	49.7	J	6.8		88.3	J	2.7	J	30.0	
1,2,3,7,8,9-HxCDF	1.3	UJ	0.90	U	3.5	J	0.80	U	1.8	U
1,2,3,7,8-PeCDD	27.3	J	5.4		20.3	J	1.1	J	9.0	
1,2,3,7,8-PeCDF	24.2	J	2.1	J	19.2	J	1.7	EMPC	5.8	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	542.04	J$	25.46	J	5220.15	J	10.13	J	624.18	J
2,3,4,6,7,8-HxCDF	25.1	J	2.4	J	49.6	J	2.5	J	17.2	
2,3,4,7,8-PeCDF	20.4	J	3.2	J	22.2	J	1.9	J	10.3	
2,3,7,8-TCDD	4030	J$	365		4350	J$	89.3		492	$
2,3,7,8-TCDF	59.2	J	10.0		52.3	J	3.8		28.5	
OCDD	4260	J$	428		6550	J$	500		2140	$
OCDF	330	J	21.0		904	J	41.1		300	J
Total HpCDD	1720	J	169	J	3410	J	151	J	1200	J
Total HpCDF	494	J	40.4	J	1280	J	46.0	J	374	J
Total HxCDD	369	J	44.9	J	648	J	23.0	J	235	J
Total HxCDF	403	J	40.5	J	875	J	29.6	J	279	J
Total PeCDD	166	J	33.1	J	78.4	J	2.0	J	65.9	J
Total PeCDF	513	J	68.4	J	526	J	30.9	J	201	J
Total TCDD	4300	J$	404	J	4350	J$	95.0	J	492	J$
Total TCDF	1060	J	155	J	700	J	39.7	J	346	J
Toxicity Equivalency	4110		377		4450		94.2		530	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-2051-01		LPX-SD-2052-0 504-01		LPX-SD-2052-000 5-01		LPX-SD-2053-0.502-01		LPX-SD-2053-000 5-01	
Sample Location	LPX-SD-2051		LPX-SD-2052		LPX-SD-2052		LPX-SD-2053		LPX-SD-2053	
Interval	0 0-0.5		0 5-4 0		0 0-0 5		0 5-2 0		0 0-0 5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/4/99		11/4/99	
QC Identifier	None		None		None		None		Field Dup. LPX-SD-2053-000 5-01	
TAL Metal Analysis (MG/KG)	D00997		D00996		D00991		D00994		D00992	
Aluminum	8820		7110		18000		3660		10000	
Antimony	2 2	J	5 0	J	2 7	J	0.37	J	0 93	J
Arsenic	4 8		6 0		7 7		6 4		6 1	
Barium	137		75 5		342		25 3		133	
Beryllium	2 0		0 66		4 3		0 33		1 4	
Cadmium	1 7		0 10	U	3 6		0 05	U	0 67	
Calcium	3420		1660		4440		599		2500	
Chromium	86 6		84 5		194		8 3		52 7	
Cobalt	10 3		5 7		16 5		2 3		8 8	
Copper	116		60 3		224		19 5		79 0	
Iron	17200		9870		31300		5070		14900	
Lead	194		105		434		109		238	
Magnesium	1710		1110		3400		795		2220	
Manganese	1240		340		1540		87 7		580	
Mercury	0.31		0 24		0 66	J	0 02	J	0 16	J
Nickel	53 2		14 8		66 8		7 2		35 5	
Potassium	979		485		1980	J	382		1130	J
Selenium	1 2	J	0 90	UJ	1 1	U	0 48	UJ	1 1	U
Silver	6 9	J	4 0	UJ	12 7		1 7	UJ	6 8	J
Sodium	261	U	114	U	424	UJ	54 1	U	223	UJ
Thallium	0 83	U	0 72	U	0 85	U	0 38	U	0 84	U
Vanadium	29 1		16 7		48 3		9 3		26 2	
Zinc	481		219		937		74 5		349	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SD-2051-01		LPX-SD-2052-0 504-01		LPX-SD-2052-000.5-01		LPX-SD-2053-0.502-01		LPX-SD-2053-000.5-01	
Sample Location	LPX-SD-2051		LPX-SD-2052		LPX-SD-2052		LPX-SD-2053		LPX-SD-2053	
Interval	0 0-0.5		0.5-4 0		0 0-0 5		0 5-2 0		0 0-0.5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/4/99		11/4/99	
QC Identifier	None		None		None		None		Field Dup. LPX-SD-2053-000.5-01	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)	D00997				D00991				D00992	
Acid Volatile Sulfide	23.76348			NA	73.03			NA	25.07784	
Cadmium	0.02237	J		NA	0 058	J		NA	0 00965	J
Copper	1.70016			NA	3.26869			NA	1.14105	
Lead	1 075			NA	3.597			NA	1 19327	
Mercury	0.00009	UJ		NA	0.00018	UJ		NA	0.00008	UJ
Nickel	4.52961	J		NA	0.55212	J		NA	0.68823	J
SEM/AVS	0.75853				0.3406				0.30974	
Simultaneously Extracted Metal	18.02543			NA	24.87			NA	7.76765	
Zinc	10.69829			NA	17.4			NA	4.73543	
Total Organic Carbon Analysis (MG/KG)	D00997				D00991				D00992	
Total Organic Carbon	98100			NA	229000			NA	66600	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-DU-110499A		LPX-SD-2053-000.5-01-MAX		LPX-SD-2053-0204-01		RAB-SD-3004-01	
Sample Location	LPX-SD-2053		LPX-SD-2053		LPX-SD-2053		RAB-SD-3004	
Interval	0 0-0 5		0 0-0 5		2 0-4 0		0 0-0 5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/10/99	
QC Identifier	Field Dup. LPX-SD-2053-000 5-01		Field Dup. LPX-SD-2053-000.5-01		None		None	
Semivolatile Organic Analysis (UG/KG)	D00993		D00993		D00995		D01049	
1,1'-Biphenyl		NA		NA		NA		NA
1,2,4-Trichlorobenzene	4800	U	4800	U	4800	U	730	U
1,2-Dichlorobenzene	4800	U	4800	U	4800	U	730	U
1,3-Dichlorobenzene	4800	U	4800	U	4800	U	730	U
1,4-Dichlorobenzene	4800	U	4800	U	4800	U	730	U
2,2'-oxybis(1-Chloropropane)	4800	U	4800	U	4800	U	730	U
2,4,5-Trichlorophenol	12000	U	12000	U	12000	U	1800	U
2,4,6-Trichlorophenol	4800	U	4800	U	4800	U	730	U
2,4-Dichlorophenol	4800	U	4800	U	4800	U	730	U
2,4-Dimethylphenol	4800	U	4800	U	4800	U	730	U
2,4-Dinitrophenol	12000	U	12000	U	12000	UJ	1800	U
2,4-Dinitrotpluene	4800	U	4800	U	4800	U	730	U
2,6-Dinitrotoluene	4800	U	4800	U	4800	U	730	U
2-Chloronaphthalene	4800	U	4800	U	4800	U	730	U
2-Chlorophenol	4800	U	4800	U	4800	U	730	U
2-Methylnaphthalene	4800	U	4800	U	4800	UJ	730	U
2-Methylphenol	4800	U	4800	U	4800	U	730	U
2-Nitroaniline	12000	U	12000	U	12000	UJ	1800	U
2-Nitrophenol	4800	U	4800	U	4800	U	730	U
3,3'-Dichlorobenzidine	4800	U	4800	U	4800	U	730	U
3-Nitroaniline	12000	U	12000	U	12000	U	1800	U
4,6-Dinitro-2-methylphenol	12000	U	12000	U	12000	UJ	1800	U
4-Bromophenyl-phenylether	4800	U	4800	U	4800	U	730	U
4-Chloro-3-methylphenol	4800	U	4800	U	4800	U	730	U
4-Chloroaniline	4800	U	4800	U	4800	U	730	U
4-Chlorophenyl-phenylether	4800	U	4800	U	4800	U	730	U
4-Methylphenol	4800	U	4800	U	4800	U	730	U
4-Nitroaniline	12000	U	12000	U	12000	U	1800	U
4-Nitrophenol	12000	U	12000	U	12000	UJ	1800	U
Acenaphthene	4800	U	4800	U	4800	U	730	U
Acenaphthylene	4800	U	4800	U	4800	U	730	U
Acetophenone		NA		NA		NA		NA
Anthracene	4800	U	4800	U	4800	U	730	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-DU-110499A		LPX-SD-2053-000.5-01-MAX		LPX-SD-2053-0204-01		RAB-SD-3004-01	
Sample Location	LPX-SD-2053		LPX-SD-2053		LPX-SD-2053		RAB-SD-3004	
Interval	0.0-0.5		0.0-0.5		2.0-4.0		0.0-0.5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/10/99	
QC Identifier	Field Dup. LPX-SD-2053-000.5-01		Field Dup. LPX-SD-2053-000.5-01		None		None	
Atrazine		NA		NA		NA		NA
Benzaldehyde		NA		NA		NA		NA
Benzo(a)anthracene	1400	J	4700	U	820	J	410	J
Benzo(a)pyrene	1100	J	4700	U	800	J	500	J
Benzo(b)fluoranthene	1400	J	4700	U	1100	J	500	J
Benzo(g,h,i)perylene	4800	U	4800	U	610	J	390	J
Benzo(k)fluoranthene	1400	J	4700	U	860	J	560	J
Bis(2-Chloroethoxy)methane	4800	U	4800	U	4800	U	730	U
Bis(2-Chloroethyl)ether	4800	U	4800	U	4800	U	730	U
bis(2-Ethylhexyl)phthalate	1800	J	4700	U	1000	J	730	U
Butylbenzylphthalate	4800	UJ	4700	U	4800	U	730	UJ
Caprolactam		NA		NA		NA		NA
Carbazole	4800	U	4800	U	4800	U	89	J
Chrysene	1700	J	4700	U	1200	J	650	J
Di-n-Butylphthalate	4800	U	4800	U	4800	U	80	JEB
Di-n-octylphthalate	4800	UJ	4700	U	4800	U	730	UJ
Dibenzo(a,h)anthracene	4800	U	4800	U	4800	U	120	J
Dibenzofuran	4800	U	4800	U	4800	U	730	U
Diethylphthalate	4800	U	4800	U	4800	U	730	U
Dimethylphthalate	4800	U	4800	U	4800	U	730	U
Fluoranthene	3300	J	3300		2400	J	1300	
Fluorene	4800	U	4800	U	4800	U	730	U
Hexachlorobenzene	4800	U	4800	U	4800	U	730	U
Hexachlorobutadiene	4800	U	4800	U	4800	U	730	U
Hexachlorocyclopentadiene	4800	U	4800	U	4800	U	730	U
Hexachloroethane	4800	U	4800	U	4800	U	730	U
Indeno(1,2,3-cd)pyrene	740	J	4700	U	630	J	360	J
Isophorone	4800	U	4800	U	4800	U	730	U
N-Nitroso-di-n-propylamine	4800	U	4800	U	4800	U	730	U
N-Nitroso-diphenylamine	4800	U	4800	U	4800	U	730	U
Naphthalene	4800	U	4800	U	4800	U	730	U
Nitrobenzene	4800	U	4800	U	4800	U	730	U
Pentachlorophenol	12000	U	12000	U	12000	U	1800	U
Phenanthrene	2000	J	4700	U	860	J	600	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-DU-110499A		LPX-SD-2053-000.5-01-MAX		LPX-SD-2053-0204-01		RAB-SD-3004-01	
Sample Location	LPX-SD-2053		LPX-SD-2053		LPX-SD-2053		RAB-SD-3004	
Interval	0 0-0.5		0 0-0 5		2 0-4 0		0 0-0 5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/10/99	
QC Identifier	Field Dup. LPX-SD-2053-000 5-01		Field Dup. LPX-SD-2053-000.5-01		None		None	
Phenol	4800	U	4800	U	4800	U	730	U
Pyrene	2700	J	4700	U	1900	J	980	J
Total PAH	1500		4700	U	1100		750	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-DU-110499A		LPX-SD-2053-000.5-01-MAX		LPX-SD-2053-0204-01		RAB-SD-3004-01	
Sample Location	LPX-SD-2053		LPX-SD-2053		LPX-SD-2053		RAB-SD-3004	
Interval	0 0-0.5		0 0-0.5		2 0-4.0		0 0-0 5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/10/99	
QC Identifier	Field Dup. LPX-SD-2053-000 5-01		Field Dup. LPX-SD-2053-000.5-01		None		None	
Pesticide/PCB Analysis (UG/KG)	D00993		D00993		D00995		D01049	
4,4'-DDD	4 8	U	4 8	U	4 9	U	7 3	U
4,4'-DDE	4 8	U	4 8	U	4 9	U	7 3	U
4,4'-DDT	4 8	U	4 8	U	4 9	U	7 3	U
Aldrin	2 5	U	2 5	U	2 5	U	3 8	U
alpha-BHC	2 5	U	2 5	U	2 5	U	3 8	U
alpha-Chlordane	2 5	U	3 3		2 5	U	3 8	U
Aroclor, Total	109		48	U	120		150	U
Aroclor-1016	48	U	48	U	49	U	73	U
Aroclor-1221	97	U	97	U	99	U	150	U
Aroclor-1232	48	U	48	U	49	U	73	U
Aroclor-1242	48	U	48	U	49	U	73	U
Aroclor-1248	16	J	23		49	U	73	U
Aroclor-1254	93		130		120		73	U
Aroclor-1260	48	U	48	U	49	U	73	U
beta-BHC	2 5	U	2 5	U	2 5	U	3 8	U
delta-BHC	2 5	U	2 5	U	2 5	U	3 8	U
Dieldrin	4 8	U	4 8	U	4 9	U	7 3	U
Endosulfan I	2 5	U	2 5	U	2 5	U	3 8	U
Endosulfan II	4 8	U	6 9		18	EB	7 3	U
Endosulfan Sulfate	4 8	U	4 8	U	4 9	U	7 3	U
Endrin	4 8	U	4 8	U	4 9	U	7 3	U
Endrin Aldehyde	4 8	U	4 8	U	4 9	U	7 3	U
Endrin Ketone	4 8	U	4 8	U	4 9	U	7 3	U
gamma-BHC	2 5	U	2 5	U	2 5	U	3 8	U
gamma-Chlordane	2 8		4 1		3 5		3 8	U
Heptachlor	2 5	U	2 5	U	2 5	U	3 8	U
Heptachlor Epoxide	2 5	U	2 5	U	2 5	U	3 8	U
Methoxychlor	25	U	25	U	25	U	38	U
Toxaphene	250	U	250	U	250	U	380	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-DU-110499A		LPX-SD-2053-000 5-01-MAX		LPX-SD-2053-0204-01		RAB-SD-3004-01	
Sample Location	LPX-SD-2053		LPX-SD-2053		LPX-SD-2053		RAB-SD-3004	
Interval	0 0-0 5		0 0-0 5		2 0-4 0		0 0-0 5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/10/99	
QC Identifier	Field Dup. LPX-SD-2053-000 5-01		Field Dup. LPX-SD-2053-000 5-01		None		None	
Dioxin Analysis (NG/KG)	D00993		D00992		D00995		D01049	
1,2,3,4,6,7,8-HpCDD	580		600		243		7 7	
1,2,3,4,6,7,8-HpCDF	154		162		306		1 9	U
1,2,3,4,7,8,9-HpCDF	12 2		12 2		11 9		0 60	U
1,2,3,4,7,8-HxCDD	9 8		11 0		5 5		0 40	U
1,2,3,4,7,8-HxCDF	20 5		22 3		28 8		0 40	U
1,2,3,6,7,8-HxCDD	27 2		29 1		12 7		0 40	U
1,2,3,6,7,8-HxCDF	14 2	J	15 1		38 5		0 30	U
1,2,3,7,8,9-HxCDD	28 9		30 0		16 5		0 40	U
1,2,3,7,8,9-HxCDF	1 3	U	1 8	U	2 0	EMPC	0 40	U
1,2,3,7,8-PeCDD	8 1		9 0		13 5		0 40	U
1,2,3,7,8-PeCDF	6 5	EMPC	6 5		20 5		0 30	U
1,2,4,5,7,8-hexachloro(9H)xanthene	608 9	J	624 18		34 16	J$	0 00	U
2,3,4,6,7,8-HxCDF	15 3		17 2		20 9		0 30	U
2,3,4,7,8-PeCDF	10 6		10 6		12 4		0 30	U
2,3,7,8-TCDD	756	$	756		489	$	4 5	EMPC
2,3,7,8-TCDF	26 7		28 5		25 6		0.30	U
OCDD	2750	$	2750		1200	J	55 6	JEB
OCDF	299	J	300		209	J	4 9	U
Total HpCDD	1180	J	1200		457	J	15 6	UJ
Total HpCDF	367	J	374		497	J	4 3	UJ
Total HxCDD	228	J	235		130	J	2 8	EMPC
Total HxCDF	267	J	279		368	J	2.1	EMPC
Total PeCDD	61 5	J	65 9		78 3	J	0 40	UJ
Total PeCDF	206	J	206		298	J	1 3	EMPC
Total TCDD	756	J$	756		528	J$	4 5	EMPC
Total TCDF	350	J	350		435	J	0 30	UJ
Toxicity Equivalency	792		792		531		5.0	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-DU-110499A		LPX-SD-2053-000.5-01-MAX		LPX-SD-2053-0204-01		RAB-SD-3004-01	
Sample Location	LPX-SD-2053		LPX-SD-2053		LPX-SD-2053		RAB-SD-3004	
Interval	0 0-0.5		0 0-0 5		2 0-4 0		0 0-0 5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/10/99	
QC Identifier	Field Dup. LPX-SD-2053-000 5-01		Field Dup. LPX-SD-2053-000.5-01		None		None	
TAL Metal Analysis (MG/KG)	D00993		D00992		D00995		D01049	
Aluminum	12400		12400		7120		6110	
Antimony	0 95	J	0.95		5 2	J	0 82	UJ
Arsenic	7 8		7.8		14.8		1 8	J
Barium	163		163		61.9		59 7	
Beryllium	1.5		1 5		0 83	J	1 1	
Cadmium	0 95		0.95		0.93		0 13	UJ
Calcium	2960		2960		1060		1480	J
Chromium	65.7		65 7		124		7 1	
Cobalt	11 1		11.1		5.3		4 9	J
Copper	96 8		96.8		102		9 7	
Iron	18400		18400		11200		12200	
Lead	307		307		203		24 3	
Magnesium	2790		2790		1340		1150	J
Manganese	691		691		143		676	
Mercury	0 20	J	0 20		0 17		0 05	UJ
Nickel	43.7		43.7		26.2		4.4	J
Potassium	1440	J	1440		716		859	
Selenium	1 2	U	1 2	U	1 0	UJ	1 1	UJ
Silver	6 8	J	6 8		4 0	UJ	1 9	J
Sodium	258	UJ	258	U	103	U	56 3	U
Thallium	0 95	U	0 95	U	0 84	U	0 90	U
Vanadium	32 6		32 6		21 3		12 4	
Zinc	421		421		401		65 7	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-DU-110499A		LPX-SD-2053-000.5-01-MAX		LPX-SD-2053-0204-01		RAB-SD-3004-01	
Sample Location	LPX-SD-2053		LPX-SD-2053		LPX-SD-2053		RAB-SD-3004	
Interval	0 0-0 5		0 0-0 5		2 0-4 0		0 0-0 5	
Date Sampled	11/4/99		11/4/99		11/4/99		11/10/99	
QC Identifier	Field Dup. LPX-SD-2053-000.5-01		Field Dup. LPX-SD-2053-000.5-01		None		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)			D00992				D01049	
Acid Volatile Sulfide		NA	25.07784			NA	1.01	
Cadmium		NA	0.00965			NA	0.002	U
Copper		NA	1.14105			NA	0.14	J
Lead		NA	1.19327			NA	0.104	
Mercury		NA	0.00008	U		NA	0.00005	U
Nickel		NA	0.68823			NA	0.24	J
SEM/AVS			0.30974				1.47	
Simultaneously Extracted Metal		NA	7.76765			NA	1.48	
Zinc		NA	4.73543			NA	1.0	J
Total Organic Carbon Analysis (MG/KG)	D00993		D00992				D01049	
Total Organic Carbon	235000		235000			NA	28800	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RCC-SD-3001-01		RCC-SD-3002-01		RCC-SD-DU-1110998		RCC-SD-3002-01-MAX		RCC-SD-3003-01	
Sample Location	RCC-SD-3001		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002		RCC-SD-3003	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	11/10/99		11/10/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		Field Dup. RCC-SD-3002-01		Field Dup. RCC-SD-3002-01		Field Dup. RCC-SD-3002-01		None	
Semivolatile Organic Analysis (UG/KG)	D01044		D01038		D01039		D01038		D01042	
1,1'-Biphenyl		NA		NA		NA		NA		NA
1,2,4-Trichlorobenzene	490	U	4900	U	2500	UJ	4900	U	4900	U
1,2-Dichlorobenzene	490	U	4900	U	2500	UJ	4900	U	4900	U
1,3-Dichlorobenzene	490	U	4900	U	2500	UJ	4900	U	4900	U
1,4-Dichlorobenzene	490	U	4900	U	2500	UJ	4900	U	4900	U
2,2'-oxybis(1-Chloropropane)	490	U	4900	U	2500	UJ	4900	U	4900	U
2,4,5-Trichlorophenol	1200	U	12000	U	6200	UJ	12000	U	12000	U
2,4,6-Trichlorophenol	490	U	4900	U	2500	UJ	4900	U	4900	U
2,4-Dichlorophenol	490	U	4900	U	2500	UJ	4900	U	4900	U
2,4-Dimethylphenol	490	U	4900	U	2500	UJ	4900	U	4900	U
2,4-Dinitrophenol	1200	UJ	12000	UJ	6200	UJ	12000	U	12000	UJ
2,4-Dinitrotoluene	490	UJ	4900	U	2500	UJ	4900	U	4900	U
2,6-Dinitrotoluene	490	U	4900	U	2500	UJ	4900	U	4900	U
2-Chloronaphthalene	490	U	4900	U	2500	UJ	4900	U	4900	U
2-Chlorophenol	490	U	4900	U	2500	UJ	4900	U	4900	U
2-Methylnaphthalene	490	U	4900	U	2500	UJ	4900	U	4900	U
2-Methylphenol	490	U	4900	U	2500	UJ	4900	U	4900	U
2-Nitroaniline	1200	UJ	12000	U	6200	UJ	12000	U	12000	U
2-Nitrophenol	490	U	4900	U	2500	UJ	4900	U	4900	U
3,3'-Dichlorobenzidine	490	U	4900	U	2500	UJ	4900	U	4900	U
3-Nitroaniline	1200	U	12000	U	6200	UJ	12000	U	12000	U
4,6-Dinitro-2-methylphenol	1200	U	12000	U	6200	UJ	12000	U	12000	U
4-Bromophenyl-phenylether	490	U	4900	U	2500	UJ	4900	U	4900	U
4-Chloro-3-methylphenol	490	U	4900	U	2500	UJ	4900	U	4900	U
4-Chloroaniline	490	U	4900	U	2500	UJ	4900	U	4900	U
4-Chlorophenyl-phenylether	490	U	4900	U	2500	UJ	4900	U	4900	U
4-Methylphenol	490	U	4900	U	380	J	4900	U	4900	U
4-Nitroaniline	1200	UJ	12000	U	6200	UJ	12000	U	12000	U
4-Nitrophenol	1200	UJ	12000	U	6200	UJ	12000	U	12000	U
Acenaphthene	490	U	4900	U	2500	UJ	4900	U	4900	U
Acenaphthylene	490	U	4900	U	2500	UJ	4900	U	4900	U
Acetophenone		NA		NA		NA		NA		NA
Anthracene	490	U	4900	U	250	UJ	4900	U	820	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RCC-SD-3001-01		RCC-SD-3002-01		RCC-SD-DU-111099B		RCC-SD-3002-01-MAX		RCC-SD-3003-01	
Sample Location	RCC-SD-3001		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002		RCC-SD-3003	
Interval	0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5	
Date Sampled	11/10/99		11/10/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		Field Dup. RCC-SD-3002-01		Field Dup. RCC-SD-3002-01		Field Dup. RCC-SD-3002-01		None	
Atrazine		NA		NA		NA		NA		NA
Benzaldehyde		NA		NA		NA		NA		NA
Benzo(a)anthracene	150	J	990	J	1300	J	1300		3200	J
Benzo(a)pyrene	140	J	1200	J	1300	J	1300		3300	J
Benzo(b)fluoranthene	160	J	1100	J	1100	J	1100		3400	J
Benzo(g,h,i)perylene	56	J	710	J	930	J	930		1400	J
Benzo(k)fluoranthene	150	J	1200	J	1600	J	1600		3400	J
Bis(2-Chloroethoxy)methane	490	U	4900	U	2500	UJ	4900	U	4900	U
Bis(2-Chloroethyl)ether	490	U	4900	U	2500	UJ	4900	U	4900	U
bis(2-Ethylhexyl)phthalate	550		4900	U	2500	UJ	4900	U	4900	U
Butylbenzylphthalate	490	U	4900	U	2500	UJ	4900	U	4900	U
Caprolactam		NA		NA		NA		NA		NA
Carbazole ,	490	U	4900	U	2500	UJ	4900	U	880	J
Chrysene	170	J	1400	J	1600	J	1600		4200	J
Di-n-Butylphthalate	88	JEB	4900	U	260	JEB	4900	U	4900	U
Di-n-octylphthalate	490	U	4900	U	2500	UJ	4900	U	4900	U
Dibenzo(a,h)anthracene	490	U	4900	U	400	J	4900	U	4900	U
Dibenzofuran	490	U	4900	U	2500	UJ	4900	U	4900	U
Diethylphthalate	490	UJ	4900	U	2500	UJ	4900	U	4900	U
Dimethylphthalate	490	U	4900	U	2500	UJ	4900	U	4900	U
Fluoranthene	320	J	2100	J	2700	J	2700		8600	
Fluorene	490	U	4900	U	2500	UJ	4900	U	4900	U
Hexachlorobenzene	490	U	4900	U	2500	UJ	4900	U	4900	U
Hexachlorobutadiene	490	U	4900	U	2500	UJ	4900	U	4900	U
Hexachlorocyclopentadiene	490	U	4900	UJ	2500	UJ	4900	U	4900	U
Hexachloroethane	490	U	4900	U	2500	UJ	4900	U	4900	U
Indeno(1,2,3-cd)pyrene	63	J	700	J	920	J	920		1500	J
Isophorone	490	U	4900	U	2500	UJ	4900	U	4900	U
N-Nitroso-di-n-propylamine	490	U	4900	U	2500	UJ	4900	U	4900	U
N-Nitroso-diphenylamine	490	U	4900	U	2500	UJ	4900	U	4900	U
Naphthalene	490	U	4900	U	2500	UJ	4900	U	4900	U
Nitrobenzene	490	U	4900	U	2500	UJ	4900	U	4900	U
Pentachlorophenol	1200	U	12000	U	6200	UJ	12000	U	12000	U
Phenanthrene	190	J	1000	J	1400	J	1400		5400	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RCC-SD-3001-01		RCC-SD-3002-01		RCC-SD-DU-111099B		RCC-SD-3002-01-MAX		RCC-SD-3003-01	
Sample Location	RCC-SD-3001		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002		RCC-SD-3003	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	11/10/99		11/10/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		Field Dup. RCC-SD-3002-01		Field Dup. RCC-SD-3002-01		Field Dup. RCC-SD-3002-01		None	
Phenol	490	U	4900	U	2500	UJ	4900	U	4900	U
Pyrene	250	J	2100	J	2200	J	2200		5800	
Total PAH	180		1500		2000		1600		4100	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RCC-SD-3001-01		RCC-SD-3002-01		RCC-SD-DU-111099B		RCC-SD-3002-01-MAX		RCC-SD-3003-01	
Sample Location	RCC-SD-3001		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002		RCC-SD-3003	
Interval	0 0-0 5		0 0-0 5		0 0-0 5		0.0-0.5		0.0-0.5	
Date Sampled	11/10/99		11/10/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		Field Dup RCC-SD-3002-01		Field Dup RCC-SD-3002-01		Field Dup RCC-SD-3002-01		None	
Pesticide/PCB Analysis (UG/KG)	D01044		D01038		D01039		D01038		D01042	
4,4'-DDD	4 9	UJ	4.9	U	4 9	U	4 9	U	4 9	U
4,4'-DDE	4 9	UJ	4 9	U	4 9	U	4 9	U	4 9	U
4,4'-DDT	4 9	UJ	4 9	U	4 9	U	4 9	U	4 9	U
Aldrin	2 5	UJ	2 5	U	2 5	U	2 5	U	2 5	U
alpha-BHC	2 5	UJ	2 5	U	2 5	U	2 5	U	2 5	U
alpha-Chlordane	2 5	UJ	2 5	U	2 5	U	2 5	U	12	
Aroclor, Total	23		86		252		210		99	U
Aroclor-1016	49	UJ	49	U	49	U	49	U	49	U
Aroclor-1221	99	UJ	100	U	100	U	100	U	99	U
Aroclor-1232	49	UJ	49	U	49	U	49	U	49	U
Aroclor-1242	49	UJ	49	U	49	U	49	U	49	U
Aroclor-1248	49	UJ	49	U	49	U	49	U	49	U
Aroclor-1254	23	J	86	J	210	J	210		49	U
Aroclor-1260	49	UJ	49	U	42	J	49	U	49	U
beta-BHC	2 5	UJ	2 5	U	2 5	U	2 5	U	2 5	U
delta-BHC	2 5	UJ	2 5	U	2 5	U	2 5	U	2 5	U
Dieldrin	4 9	UJ	4 9	U	4 9	U	4 9	U	4 9	U
Endosulfan I	2 5	UJ	2 5	U	2 5	U	2 5	U	2 5	U
Endosulfan II	4 9	UJ	5 3	J	13	J	13		4 9	U
Endosulfan Sulfate	4 9	UJ	4 9	U	4 9	U	4 9	U	4 9	U
Endrin	4 9	UJ	4 9	U	4 9	U	4 9	U	4 9	U
Endrin Aldehyde	4 9	UJ	4 9	U	4 9	U	4 9	U	4 9	U
Endrin Ketone	4 9	UJ	4 9	U	4 9	U	4 9	U	4 9	U
gamma-BHC	2 5	UJ	2 5	U	2 5	U	2 5	U	2 5	U
gamma-Chlordane	2 5	UJ	2 5	U	2 5	U	2 5	U	12	
Heptachlor	2 5	UJ	2 5	U	2 5	U	2 5	U	2 5	U
Heptachlor Epoxide	2 5	UJ	2 5	U	2 5	U	2 5	U	2 5	U
Methoxychlor	25	UJ	25	U	25	U	25	U	25	U
Toxaphene	250	UJ	250	U	250	U	250	U	250	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RCC-SD-3001-01		RCC-SD-3002-01		RCC-SD-DU-111099B		RCC-SD-3002-01-MAX		RCC-SD-3003-01	
Sample Location	RCC-SD-3001		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002		RCC-SD-3003	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	11/10/99		11/10/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		Field Dup. RCC-SD-3002-01		Field Dup. RCC-SD-3002-01		Field Dup. RCC-SD-3002-01		None	
Dioxin Analysis (NG/KG)	D01044		D01038				D01038		D01042	
1,2,3,4,6,7,8-HpCDD	44.1		992			NA	992		241	
1,2,3,4,6,7,8-HpCDF	40.6		383			NA	383		46.0	
1,2,3,4,7,8,9-HpCDF	1.4	EMPC	22.1			NA	22.1		3.9	J
1,2,3,4,7,8-HxCDD	0.98	U	18.9			NA	18.9		4.2	J
1,2,3,4,7,8-HxCDF	3.4	U	60.5			NA	60.5		3.0	U
1,2,3,6,7,8-HxCDD	2.8	U	62.8			NA	62.8		10.9	
1,2,3,6,7,8-HxCDF	2.5	U	39.4			NA	39.4		2.4	U
1,2,3,7,8,9-HxCDD	3.3	U	55.5			NA	55.5		10.7	
1,2,3,7,8,9-HxCDF	0.30	U	2.2	U		NA	2.2	U	0.37	EMPC
1,2,3,7,8-PeCDD	0.62	EMPC	10.3			NA	10.3		1.8	U
1,2,3,7,8-PeCDF	0.79	U	11.6			NA	11.6		0.55	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U	7.46	J		NA	7.46		0.00	U
2,3,4,6,7,8-HxCDF	2.9	U	49.0			NA	49.0		3.6	U
2,3,4,7,8-PeCDF	1.3	EMPC	24.5			NA	24.5		0.83	U
2,3,7,8-TCDD	0.43	J	6.5			NA	6.5		0.75	J
2,3,7,8-TCDF	3.5		58.9			NA	58.9		1.2	
OCDD	277	JEB	4890	J$EB		NA	4890		1670	JEB
OCDF	38.7		441			NA	441		126	
Total HpCDD	90.5	J	1950	J		NA	1950		434	J
Total HpCDF	76.3	J	877	J		NA	877		128	J
Total HxCDD	27.6	UJ	510	J		NA	510		70.8	J
Total HxCDF	47.9	J	724	J		NA	724		54.6	J
Total PeCDD	4.0	UJ	81.9	J		NA	81.9		9.2	UJ
Total PeCDF	19.9	UJ	457	J		NA	457		20.0	EMPC
Total TCDD	4.5	J	54.6	J		NA	54.6		1.9	J
Total TCDF	24.5	J	551	J		NA	551		4.2	J
Toxicity Equivalency	3.8		78.7			NA	78.7		8.2	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RCC-SD-3001-01		RCC-SD-3002-01		RCC-SD-DU-111099B		RCC-SD-3002-01-MAX		RCC-SD-3003-01	
Sample Location	RCC-SD-3001		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002		RCC-SD-3003	
Interval	0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5	
Date Sampled	11/10/99		11/10/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		Field Dup RCC-SD-3002-01		Field Dup RCC-SD-3002-01		Field Dup RCC-SD-3002-01		None	
TAL Metal Analysis (MG/KG)	D01044		D01038		D01039		D01038		D01042	
Aluminum	5620		10300		14100		14100		2800	
Antimony	0 73	UJ	3 3	J	4 6	J	4 6		0 92	J
Arsenic	2 9		8 3		9 6		9 6		0 93	J
Barium	67 7		163		202		202		29 0	
Beryllium	2 0		2 9		3 5		3 5		0 30	J
Cadmium	0 11	UJ	2 1	J	2 5	J	2 5		0 09	UJ
Calcium	1500	J	3290	J	4290	J	4290		2620	J
Chromium	24 3		216		360		360		26 6	
Cobalt	3 7	J	13.4	J	19 6	J	19 6		2 4	J
Copper	13 5		239		296		296		30 1	
Iron	6100		16700		21800		21800		9480	
Lead	34 8		290		380		380		43 1	
Magnesium	579	J	1760	J	2370	J	2370		1250	J
Manganese	81 8		580		707		707		257	
Mercury	0 05	J	0 29	J	0 29	J	0 29		0 04	UJ
Nickel	3 9	J	114		141		141		6 2	
Potassium	370		944		1440		1440		724	
Selenium	1 2	J	2 6	J	3 2	J	3 2		0 76	UJ
Silver	1 8	J	6 8		7 1		7 1		2 1	
Sodium	107	U	232		349		349		64 4	U
Thallium	0 80	U	1 6	U	1 5	U	1 6	U	0 60	U
Vanadium	10 6		69 3		93 3		93 3		9 5	
Zinc	49 2	J	640	J	856	J	856		100	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RCC-SD-3001-01		RCC-SD-3002-01		RCC-SD-DU-111099B		RCC-SD-3002-01-MAX		RCC-SD-3003-01	
Sample Location	RCC-SD-3001		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002		RCC-SD-3003	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	11/10/99		11/10/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		Field Dup. RCC-SD-3002-01		Field Dup. RCC-SD-3002-01		Field Dup. RCC-SD-3002-01		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)	D01044		D01038				D01038		D01042	
Acid Volatile Sulfide	0.11		27.28			NA	27.28		0.39	
Cadmium	0.002	U	0.02	J		NA	0.02			R
Copper	0.42	J	2.67	J		NA	2.67		0.42	J
Lead	0.143		1.07			NA	1.07		0.188	
Mercury	0.00005	U	0.0001	U		NA	0.0001	U	0.00004	U
Nickel	0.49	J	1.33	J		NA	1.33		0.11	J
SEM/AVS	14.14		0.53				0.53		5.61	
Simultaneously Extracted Metal	1.58		14.34			NA	14.34		2.19	
Zinc	0.53	J	9.25	J		NA	9.25		1.47	J
Total Organic Carbon Analysis (MG/KG)	D01044		D01038				D01038		D01042	
Total Orgahic Carbon	23600		81600			NA	81600		21600	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SD-2009-01		WRC-SD-2010-01		01		WRC-SD-2011-000.5-01		WRC-SD-2012-01	
Sample Location	WRC-SD-2009		WRC-SD-2010		WRC-SD-2011		WRC-SD-2011		WRC-SD-2012	
Interval	0 0-0 5		0 0-0 5		0.5-1.5		0 0-0 5		0 0-0 5	
Date Sampled	11/1/99		11/2/99		11/2/99		11/2/99		11/2/99	
QC Identifier	None		None		None		None		None	
Semivolatile Organic Analysis (UG/KG)	D00959		D00966		D00968		D00967		D00969	
1,1'-Biphenyl		NA		NA		NA		NA		NA
1,2,4-Trichlorobenzene	2400	U	4600	U	4200	U	4800	U	490	U
1,2-Dichlorobenzene	2400	U	4600	U	4200	U	4800	U	490	U
1,3-Dichlorobenzene	2400	U	4600	U	4200	U	4800	U	490	U
1,4-Dichlorobenzene	2400	U	4600	U	4200	U	4800	U	490	U
2,2'-oxybis(1-Chloropropane)	2400	U	4600	U	4200	U	4800	U	490	U
2,4,5-Trichlorophenol	6000	U	12000	U	10000	U	12000	U	1200	U
2,4,6-Trichlorophenol	2400	U	4600	U	4200	U	4800	U	490	U
2,4-Dichlorophenol	2400	U	4600	U	4200	U	4800	U	490	U
2,4-Dimethylphenol	2400	U	4600	U	4200	U	4800	U	490	U
2,4-Dinitrophenol		R		R		R		R		R
2,4-Dinitrotoluene	2400	U	4600	U	4200	U	4800	U	490	U
2,6-Dinitrotoluene	2400	U	4600	U	4200	U	4800	U	490	U
2-Chloronaphthalene	2400	U	4600	U	4200	U	4800	U	490	U
2-Chlorophenol	2400	U	4600	U	4200	U	4800	U	490	U
2-Methylnaphthalene	2400	U	4600	U	4200	U	4800	U	490	U
2-Methylphenol	2400	U	4600	U	4200	U	4800	U	490	U
2-Nitroaniline	6000	UJ	12000	UJ	10000	UJ	12000	UJ	1200	U
2-Nitrophenol	2400	U	4600	U	4200	U	4800	U	490	U
3,3'-Dichlorobenzidine	2400	U	4600	U	4200	U	4800	U	490	U
3-Nitroaniline	6000	U	12000	U	10000	U	12000	U	1200	U
4,6-Dinitro-2-methylphenol	6000	UJ	12000	UJ	10000	UJ	12000	UJ	1200	U
4-Bromophenyl-phenylether	2400	U	4600	U	4200	U	4800	U	490	U
4-Chloro-3-methylphenol	2400	U	4600	U	4200	U	4800	U	490	U
4-Chloroaniline	2400	U	4600	U	4200	U	4800	U	490	U
4-Chlorophenyl-phenylether	2400	U	4600	U	4200	U	4800	U	490	U
4-Methylphenol	2400	U	4600	U	4200	U	4800	U	490	U
4-Nitroaniline	6000	UJ	12000	UJ	10000	UJ	12000	UJ	1200	U
4-Nitrophenol		R		R		R		R		R
Acenaphthene	2400	U	4600	U	4200	U	1100	J	490	U
Acenaphthylene	2400	U	4600	U	4200	U	4800	U	490	U
Acetophenone		NA		NA		NA		NA		NA
Anthracene	370	J	490	J	640	J	3500	J	120	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SD-2009-01		WRC-SD-2010-01		01		WRC-SD-2011-000.5-01		WRC-SD-2012-01	
Sample Location	WRC-SD-2009		WRC-SD-2010		WRC-SD-2011		WRC-SD-2011		WRC-SD-2012	
Interval	0 0-0.5		0 0-0 5		0.5-1.5		0 0-0 5		0 0-0 5	
Date Sampled	11/1/99		11/2/99		11/2/99		11/2/99		11/2/99	
QC Identifier	None		None		None		None		None	
Atrazine		NA		NA		NA		NA		NA
Benzaldehyde		NA		NA		NA		NA		NA
Benzo(a)anthracene	2700		1800	J	1700	J	6800		610	
Benzo(a)pyrene	1600	J	1400	J	1200	J	4800		600	
Benzo(b)fluoranthene	3400		1900	J	1400	J	5100		630	
Benzo(g,h,i)perylene	2400	U	4600	U	4200	U	4800	U	270	J
Benzo(k)fluoranthene	2500		1500	J	1500	J	5500		510	
Bis(2-Chloroethoxy)methane	2400	U	4600	U	4200	U	4800	U	490	U
Bis(2-Chloroethyl)ether	2400	U	4600	U	4200	U	4800	U	490	U
bis(2-Ethylhexyl)phthalate	700	J	530	J	4200	U	490	J	180	J
Butylbenzylphthalate	2400	U	4600	U	4200	U	4800	U	83	J
Caprolactam		NA		NA		NA		NA		NA
Carbazole	510	J	4600	U	4200	U	1700	J	110	J
Chrysene	3600		2000	J	1800	J	6300		760	
Di-n-Butylphthalate	2400	U	4600	U	4200	U	4800	U	490	U
Di-n-octylphthalate	2400	U	4600	U	4200	U	4800	U	490	UJ
Dibenzo(a,h)anthracene	800	J	4600	U	4200	U	1700	J	130	J
Dibenzofuran	2400	U	4600	U	4200	U	920	J	490	U
Diethylphthalate	2400	U	4600	U	4200	U	4800	U	490	U
Dimethylphthalate	2400	U	4600	U	4200	U	4800	U	490	U
Fluoranthene	8100		4900		4800		17000		1500	
Fluorene	240	J	4600	U	4200	U	1600	J	58	J
Hexachlorobenzene	2400	U	4600	U	4200	U	4800	U	490	U
Hexachlorobutadiene	2400	U	4600	U	4200	U	4800	U	490	U
Hexachlorocyclopentadiene	2400	UJ	4600	UJ	4200	UJ	4800	UJ	490	U
Hexachloroethane	2400	U	4600	U	4200	U	4800	U	490	U
Indeno(1,2,3-cd)pyrene	1400	J	910	J	770	J	3000	J	290	J
Isophorone	2400	U	4600	U	4200	U	4800	U	490	U
N-Nitroso-di-n-propylamine	2400	U	4600	U	4200	U	4800	U	490	U
N-Nitroso-diphenylamine	2400	U	4600	U	4200	U	4800	U	490	U
Naphthalene	2400	U	4600	U	4200	U	4800	U	490	U
Nitrobenzene	2400	U	4600	U	4200	U	4800	U	490	U
Pentachlorophenol	6000	UJ	12000	UJ	10000	UJ	12000	UJ	1200	U
Phenanthrene	3800		2300	J	3300	J	14000		860	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SD-2009-01		WRC-SD-2010-01		01		WRC-SD-2011-000.5-01		WRC-SD-2012-01	
Sample Location	WRC-SD-2009		WRC-SD-2010		WRC-SD-2011		WRC-SD-2011		WRC-SD-2012	
Interval	0.0-0.5		0 0-0 5		0.5-1.5		0 0-0.5		0 0-0.5	
Date Sampled	11/1/99		11/2/99		11/2/99		11/2/99		11/2/99	
QC Identifier	None		None		None		None		None	
Phenol	2400	U	4600	U	4200	U	4800	U	490	U
Pyrene	4800		3100	J	3200	J	12000		1300	
Total PAH	3200		1900		1600		8100		890	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SD-2009-01		WRC-SD-2010-01		01		WRC-SD-2011-000.5-01		WRC-SD-2012-01	
Sample Location	WRC-SD-2009		WRC-SD-2010		WRC-SD-2011		WRC-SD-2011		WRC-SD-2012	
Interval	0.0-0.5		0.0-0.5		0.5-1.5		0.0-0.5		0.0-0.5	
Date Sampled	11/1/99		11/2/99		11/2/99		11/2/99		11/2/99	
QC Identifier	None		None		None		None		None	
Pesticide/PCB Analysis (UG/KG)	D00959		D00966		D00968		D00967		D00969	
4,4'-DDD	4.7	U	4.6	J	4.1	U	4.7	U		R
4,4'-DDE	4.7	U	4.6	J	4.1	U	4.7	U		R
4,4'-DDT	4.7	U	4.6	J	4.1	U	4.7	U		R
Aldrin	2.4	U	2.4	J	2.1	U	2.4	U		R
alpha-BHC	2.4	U	2.4	J	2.1	U	2.4	U		R
alpha-Chlordane	3.9		2.4	J	2.1	U	2.4	U		R
Aroclor, Total	190		444		236		400		196	
Aroclor-1016	47	U	46	J	41	U	47	U		R
Aroclor-1221	96	U	93	J	84	U	96	U		R
Aroclor-1232	47	U	46	J	41	U	47	U		R
Aroclor-1242	47	U	46	J	41	U	47	U		R
Aroclor-1248	47	U	57	J	26	J	120		16	J
Aroclor-1254	190		110	J	210		280		180	J
Aroclor-1260	47	U	46	J	41	U	47	U		R
beta-BHC	2.4	U	2.4	J	2.1	U	2.4	U		R
delta-BHC	2.4	U	2.4	J	2.1	U	2.4	U		R
Dieldrin	4.7	U	4.6	J	4.1	U	4.7	U		R
Endosulfan I	2.4	U	2.4	J	2.1	U	2.4	U		R
Endosulfan II	4.7	U	7.0	J	9.8		15		7.2	J
Endosulfan Sulfate	4.7	U	4.6	J	4.1	U	4.7	U		R
Endrin	4.7	U	4.6	J	4.1	U	4.7	U		R
Endrin Aldehyde	4.7	U	4.6	J	4.1	U	4.7	U		R
Endrin Ketone	4.7	U	4.6	J	4.1	U	4.7	U		R
gamma-BHC	2.4	U	2.4	J	2.1	U	2.4	U		R
gamma-Chlordane	4.8		2.4	J	2.7		3.5			R
Heptachlor	2.4	U	2.4	J	2.1	U	2.4	U		R
Heptachlor Epoxide	2.4	U	2.4	J	2.1	U	2.4	U		R
Methoxychlor	24	U	24	J	21	U	24	U		R
Toxaphene	240	U	240	J	210	U	240	U		R

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SD-2009-01		WRC-SD-2010-01		01		WRC-SD-2011-000.5-01		WRC-SD-2012-01	
Sample Location	WRC-SD-2009		WRC-SD-2010		WRC-SD-2011		WRC-SD-2011		WRC-SD-2012	
Interval	0 0-0 5		0 0-0 5		0 5-1 5		0 0-0 5		0 0-0 5	
Date Sampled	11/1/99		11/2/99		11/2/99		11/2/99		11/2/99	
QC Identifier	None		None		None		None		None	
Dioxin Analysis (NG/KG)	D00959		D00966		D00968		D00967		D00969	
1,2,3,4,6,7,8-HpCDD	183		72 2		31 1		68 3		92 3	
1,2,3,4,6,7,8-HpCDF	47 8		26 6		11 7		25 8		150	
1,2,3,4,7,8,9-HpCDF	3 2	J	2 0	J	2 0	U	2 2	J	12 1	
1,2,3,4,7,8-HxCDD	3 1	J	1 4	J	1 5	U	1 5	J	1 9	J
1,2,3,4,7,8-HxCDF	3 7	J	2 9	J	1 7	J	3 5	J	23 9	
1,2,3,6,7,8-HxCDD	8 7		4 1	J	2 2	J	5 4		6 1	
1,2,3,6,7,8-HxCDF	3 5	J	1 8	J	1 2	J	2 3	J	24 2	
1,2,3,7,8,9-HxCDD	9 2		3 8	J	1 8	J	4 5	J	5 3	
1,2,3,7,8,9-HxCDF	0 40	U	0 60	U	1 1	U	0 70	U	2 0	J
1,2,3,7,8-PeCDD	2 4	J	1 8	J	1 1	U	1 7	J	2 3	J
1,2,3,7,8-PeCDF	4 3	EMPC	3 6	J	2 1	J	4 4	EMPC	10 5	
1,2,4,5,7,8-hexachloro(9H)xanthene	0 00	U	122 08	J	111 33	J	117 75	J	49 67	J$
2,3,4,6,7,8-HxCDF	5 0		2 8	J	1 3	J	2 8	J	15 9	
2,3,4,7,8-PeCDF	1 7	EMPC	1 5	J	0 80	U	1 9	J	7 5	
2,3,7,8-TCDD	6 3		194		313		210		407	$
2,3,7,8-TCDF	1 9		2 7		1 4		2 6		9 9	
OCDD	1270		536		210	J	526		584	J
OCDF	115		65 6		26 2	J	52 9		204	J
Total HpCDD	331	J	137	J	56 8	J	147	J	177	J
Total HpCDF	123	J	75 5	J	29 0	J	71 9	J	269	J
Total HxCDD	66 6	J	30 5	J	15 8	J	39 2	J	60 2	J
Total HxCDF	72 2	J	47 6	J	20 5	J	50 5	J	252	J
Total PeCDD	14 4	J	8 8	J	3 0	J	6 6	J	11 0	J
Total PeCDF	40 4	J	31 7	J	12 2	J	33 3	J	138	J
Total TCDD	11 1	J	201	J	327	J	218	J	419	J$
Total TCDF	23 2	J	17 2	J	11 1	J	16 1	J	96 8	J
Toxicity Equivalency	15 8		200		315		216		425	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SD-2009-01		WRC-SD-2010-01		01		WRC-SD-2011-000.5-01		WRC-SD-2012-01	
Sample Location	WRC-SD-2009		WRC-SD-2010		WRC-SD-2011		WRC-SD-2011		WRC-SD-2012	
Interval	0 0-0.5		0 0-0.5		0.5-1.5		0 0-0 5		0 0-0 5	
Date Sampled	11/1/99		11/2/99		11/2/99		11/2/99		11/2/99	
QC Identifier	None		None		None		None		None	
TAL Metal Analysis (MG/KG)	D00959		D00966		D00968		D00967		D00969	
Aluminum	2260		2680		1790		1860		4310	
Antimony	0.51	UJ	0 63	UJ	0.43	UJ	0 52	UJ	0 82	UJ
Arsenic	1.1	J	2.5		1 4		1.1	J	1 7	J
Barium	26.6	U	44.2	U	18.0	U	19.9	U	61 6	U
Beryllium	0.36		0 44		0.30		0.32	J	0.72	
Cadmium	0 08	U	0 10	U	0 07	U	0 08	U	0 13	U
Calcium	654		1030		434		539		3450	
Chromium	28 8		18 8		18 0		33 8		89 9	
Cobalt	2 9		3 9		1 7	J	3 6		8 6	
Copper	16 8		20 8		8 3		14 7		40 3	
Iron	5560		6480		4490		5680		65000	
Lead	46.2		84.2		22.3		71.0		107	
Magnesium	673		538		451		520		771	
Manganese	111		149		82.1		110		2050	
Mercury	0.02	J	0.04	J	0.03	J	0.03	J	0.19	J
Nickel	27.6		5.9		2.1	J	5.8		13.7	
Potassium	507	J	280	J	392	J	296	J	523	J
Selenium	0.70	U	0.86	U	0.59	U	0.70	U	1.1	U
Silver	2.4	UJ	2.0	UJ	1.5	UJ	2.1	UJ	16.0	
Sodium	81.1	UJ	94 6	UJ	56 4	UJ	73.3	UJ	143	UJ
Thallium	0.56	U	0 69	U	0 47	U	0.56	U		R
Vanadium	10.2		9 8		7 9		9 7		19 1	
Zinc	100		86 5		36 0	U	43 1	U	533	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SD-2009-01		WRC-SD-2010-01		01		WRC-SD-2011-000.5-01		WRC-SD-2012-01	
Sample Location	WRC-SD-2009		WRC-SD-2010		WRC-SD-2011		WRC-SD-2011		WRC-SD-2012	
Interval	0.0-0.5		0 0-0 5		0 5-1 5		0 0-0 5		0.0-0 5	
Date Sampled	11/1/99		11/2/99		11/2/99		11/2/99		11/2/99	
QC Identifier	None		None		None		None		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)	D00959		D00966				D00967		D00969	
Acid Volatile Sulfide	0 15919		0.53			NA	0 52166		7 87186	
Cadmium	0 0013	U	0.001	U		NA	0 00121	U	0 00586	J
Copper	0 95824		0 22			NA	0 16621		0 4606	
Lead	0 14638		0 498			NA	0 1302		0 51078	
Mercury	0 00004	UJ	0 00003	UJ		NA	0 00004	UJ	0 00005	UJ
Nickel	2 92605	J	0.06	UJ		NA	0.09207	UJ	0 11409	UJ
SEM/AVS	31 86426		3 17				1 84296		0 65766	
Simultaneously Extracted Metal	5 07247		1 7			NA	0 96139		5 17698	
Zinc	1 04236	J	0 91	J		NA	0 57308	J	4 08564	J
Total Organic Carbon Analysis (MG/KG)	D00959		D00966				D00967		D00969	
Total Organic Carbon	10200		26700			NA	7920		32600	

Summary of Sediment/Soil Analytical Results
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Sample Number	WRC-SD-2013-000.5-01		WRC-SD-2014-01		WRC-SD-2015-01		WRL-SD-2039-01		WRL-SD-2040-01	
Sample Location	WRC-SD-2013		WRC-SD-2014		WRC-SD-2015		WRL-SD-2039		WRL-SD-2040	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	11/1/99		11/1/99		11/1/99		10/25/99		10/25/99	
QC Identifier	None		None		None		None		Field Dup WRL-SD-2040-01	
Semivolatile Organic Analysis (UG/KG)	D00960		D00961		D00962		D00888		D00885	
1,1'-Biphenyl		NA		NA		NA		NA		NA
1,2,4-Trichlorobenzene	480	U	2100	U	9600	U	490	U	750	U
1,2-Dichlorobenzene	480	U	2100	U	9600	U	490	U	750	U
1,3-Dichlorobenzene	480	U	2100	U	9600	U	490	U	750	U
1,4-Dichlorobenzene	480	U	2100	U	9600	U	490	U	750	U
2,2'-oxybis(1-Chloropropane)	480	U	2100	U	9600	U	490	U	750	U
2,4,5-Trichlorophenol	1200	U	5400	U	24000	U	1200	U	1900	U
2,4,6-Trichlorophenol	480	U	2100	U	9600	U	490	UJ	750	U
2,4-Dichlorophenol	480	U	2100	U	9600	U	490	U	750	U
2,4-Dimethylphenol	480	U	2100	U	9600	U	490	U	750	U
2,4-Dinitrophenol		R		R		R	1200	U	1900	U
2,4-Dinitrotpluene	480	U	2100	U	9600	U	490	U	750	U
2,6-Dinitrotoluene	480	U	2100	U	9600	U	490	U	750	U
2-Chloronaphthalene	480	U	2100	U	9600	U	490	U	750	U
2-Chlorophenol	480	U	2100	U	9600	U	490	U	750	U
2-Methylnaphthalene	480	U	2100	U	9600	U	490	U	750	U
2-Methylphenol	480	U	2100	U	9600	U	490	U	750	U
2-Nitroaniline	1200	UJ	5400	UJ	24000	UJ	1200	U	1900	U
2-Nitrophenol	480	U	2100	U	9600	U	490	UJ	750	U
3,3'-Dichlorobenzidine	480	U	2100	U	9600	U	490	UJ	750	U
3-Nitroaniline	1200	U	5400	U	24000	U	1200	U	1900	U
4,6-Dinitro-2-methylphenol	1200	UJ	5400	UJ	24000	UJ	1200	U	1900	U
4-Bromophenyl-phenylether	480	U	2100	U	9600	U	490	U	750	U
4-Chloro-3-methylphenol	480	U	2100	U	9600	U	490	U	750	U
4-Chloroaniline	480	U	2100	U	9600	U	490	UJ	750	U
4-Chlorophenyl-phenylether	480	U	2100	U	9600	U	490	U	750	U
4-Methylphenol	480	U	2100	U	9600	U	490	U	750	U
4-Nitroaniline	1200	UJ	5400	UJ	24000	UJ	1200	U	1900	U
4-Nitrophenol		R		R		R	1200	U	1900	U
Acenaphthene	480	U	2100	U	9600	U	490	U	750	U
Acenaphthylene	480	U	2100	U	9600	U	490	U	750	U
Acetophenone		NA		NA		NA		NA		NA
Anthracene	480	U	2100	U	9600	U	490	U	750	U

Summary of Sediment/Soil Analytical Results
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Sample Number	WRC-SD-2013-000 5-01		WRC-SD-2014-01		WRC-SD-2015-01		WRL-SD-2039-01		WRL-SD-2040-01	
Sample Location	WRC-SD-2013		WRC-SD-2014		WRC-SD-2015		WRL-SD-2039		WRL-SD-2040	
Interval	0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5	
Date Sampled	11/1/99		11/1/99		11/1/99		10/25/99		10/25/99	
QC Identifier	None		None		None		None		Field Dup WRL-SD-2040 01	
Atrazine		NA		NA		NA		NA		NA
Benzaldehyde		NA		NA		NA		NA		NA
Benzo(a)anthracene	110	J	440	J	3000	J	430	J	220	J
Benzo(a)pyrene	84	J	360	J	3000	J	440	J	200	J
Benzo(b)fluoranthene	99	J	520	J	3600	J	560		250	J
Benzo(g,h,i)perylene	480	U	2100	U	1500	J	56	J	130	J
Benzo(k)fluoranthene	130	J	480	J	3300	J	500		160	J
Bis(2-Chloroethoxy)methane	480	U	2100	U	9600	U	490	U	750	U
Bis(2-Chloroethyl)ether	480	U	2100	U	9600	U	490	U	750	U
bis(2-Ethylhexyl)phthalate	170	J	2100	U	12000		740	J	110	J
Butylbenzylphthalate	480	U	2100	U	9600	U	240	J	750	U
Caprolactam		NA		NA		NA		NA		NA
Carbazole	480	U	2100	U	9600	U	79	J	750	U
Chrysene	140	J	580	J	4100	J	630		260	J
Di-n-Butylphthalate	480	U	2100	U	9600	U	64	J	750	U
Di-n-octylphthalate	480	U	2100	U	9600	U	490	UJ	750	U
Dibenzo(a,h)anthracene	480	U	2100	U	9600	U	120	J	750	U
Dibenzofuran	480	U	2100	U	9600	U	490	U	750	U
Diethylphthalate	480	U	2100	U	9600	U	490	U	750	U
Dimethylphthalate	480	U	2100	U	9600	U	490	U	750	U
Fluoranthene	290	J	1200	J	6700	J	970		510	J
Fluorene	480	U	2100	U	9600	U	490	U	750	U
Hexachlorobenzene	480	U	2100	U	9600	U	490	U	750	U
Hexachlorobutadiene	480	U	2100	U	9600	U	490	U	750	U
Hexachlorocyclopentadiene	480	UJ	2100	UJ	9600	UJ	490	UJ	750	U
Hexachloroethane	480	U	2100	U	9600	U	490	U	750	U
Indeno(1,2,3-cd)pyrene	69	J	250	J	2100	J	330	J	130	J
Isophorone	480	U	2100	U	9600	U	490	U	750	U
N-Nitroso-di-n-propylamine	480	U	2100	U	9600	U	490	U	750	U
N-Nitroso-diphenylamine	480	U	2100	U	9600	U	490	U	750	U
Naphthalene	480	U	2100	U	9600	U	490	U	750	U
Nitrobenzene	480	U	2100	U	9600	U	490	U	750	U
Pentachlorophenol	1200	UJ	5400	UJ	24000	UJ	1200	UJ	1900	U
Phenanthrene	130	J	810	J	3100	J	480	J	290	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SD-2013-000.5-01		WRC-SD-2014-01		WRC-SD-2015-01		WRL-SD-2039-01		WRL-SD-2040-01	
Sample Location	WRC-SD-2013		WRC-SD-2014		WRC-SD-2015		WRL-SD-2039		WRL-SD-2040	
Interval	0 0-0.5		0 0-0.5		0 0-0 5		0 0-0 5		0.0-0 5	
Date Sampled	11/1/99		11/1/99		11/1/99		10/25/99		10/25/99	
QC Identifier	None		None		None		None		Field Dup WRL-SD-2040-01	
Phenol	480	U	2100	U	9600	U	490	U	750	U
Pyrene	220	J	780	J	5900	J	950		370	J
Total PAH	110		490		3900		700		260	

Summary of Sediment/Soil Analytical Results
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Sample Number	WRC-SD-2013-000.5-01		WRC-SD-2014-01		WRC-SD-2015-01		WRL-SD-2039-01		WRL-SD-2040-01	
Sample Location	WRC-SD-2013		WRC-SD-2014		WRC-SD-2015		WRL-SD-2039		WRL-SD-2040	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	11/1/99		11/1/99		11/1/99		10/25/99		10/25/99	
QC Identifier	None		None		None		None		Field Dup WRL-SD-2040-01	
Pesticide/PCB Analysis (UG/KG)	D00960		D00961		D00962		D00888		D00885	
4,4'-DDD	4.9	U	4.3	U	4.8	U	4.9	U	3.8	U
4,4'-DDE	4.9	U	4.3	U	4.8	U	4.9	U	3.8	U
4,4'-DDT	4.9	U	4.3	U	21		4.9	U	3.8	U
Aldrin	2.5	U	2.2	U	2.5	U	2.5	U	2.0	U
alpha-BHC	2.5	U	2.2	U	2.5	U	2.5	U	2.0	U
alpha-Chlordane	2.5	U	2.2	U	2.5	U	2.5	U	2.0	U
Aroclor, Total	99	U	63		2410		40		28	
Aroclor-1016	49	U	43	U	48	U	49	U	38	U
Aroclor-1221	99	U	86	U	98	U	100	U	77	U
Aroclor-1232	49	U	43	U	48	U	49	U	38	U
Aroclor-1242	49	U	43	U	48	U	49	U	38	U
Aroclor-1248	49	U	43	U	140		49	U	38	U
Aroclor-1254	49	U	63		2000		40	J	28	J
Aroclor-1260	49	U	43	U	270		49	U	38	U
beta-BHC	2.5	U	2.2	U	2.5	U	2.5	U	2.0	U
delta-BHC	2.5	U	2.2	U	2.5	U	2.5	U	2.0	U
Dieldrin	4.9	U	4.3	U	4.8	U	4.9	U	3.8	U
Endosulfan I	2.5	U	2.2	U	2.5	U	2.5	U	2.0	U
Endosulfan II	4.9	U	4.3	U	160		4.9	U	3.8	U
Endosulfan Sulfate	4.9	U	4.3	U	4.8	U	4.9	U	3.8	U
Endrin	4.9	U	4.3	U	5.7		4.9	U	3.8	U
Endrin Aldehyde	4.9	U	4.3	U	4.8	U	4.9	U	3.8	U
Endrin Ketone	4.9	U	4.3	U	4.8	U	4.9	U	3.8	U
gamma-BHC	2.5	U	2.2	U	2.5	U	2.5	UJ	2.0	UJ
gamma-Chlordane	2.5	U	2.2	U	8.5		2.5	U	2.0	U
Heptachlor	2.5	U	2.2	U	2.5	U	2.5	U	2.0	U
Heptachlor Epoxide	2.5	U	2.2	U	2.5	U	2.5	U	2.0	U
Methoxychlor	25	U	22	U	25	U	25	U	20	U
Toxaphene	250	U	220	U	250	U	250	U	200	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SD-2013-000.5-01		WRC-SD-2014-01		WRC-SD-2015-01		WRL-SD-2039-01		WRL-SD-2040-01	
Sample Location	WRC-SD-2013		WRC-SD-2014		WRC-SD-2015		WRL-SD-2039		WRL-SD-2040	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	11/1/99		11/1/99		11/1/99		10/25/99		10/25/99	
QC Identifier	None		None		None		None		Field Dup WRL-SD-2040-01	
Dioxin Analysis (NG/KG)	D00960		D00961		D00962		D00888		D00885	
1,2,3,4,6,7,8-HpCDD	9.8		17.0	J	595	J	618		9.2	
1,2,3,4,6,7,8-HpCDF	6.0		6.7	J	314	J	241		3.4	J
1,2,3,4,7,8,9-HpCDF	0.60	U	1.1	UJ	19.0	J	12.2		0.30	U
1,2,3,4,7,8-HxCDD	0.50	U	0.80	UJ	10.3	J	7.9		0.30	U
1,2,3,4,7,8-HxCDF	1.7	J	1.4	J	48.4	J	17.6		0.48	U
1,2,3,6,7,8-HxCDD	0.61	EMPC	1.1	EMPC	35.5	J	23.8		0.41	EMPC
1,2,3,6,7,8-HxCDF	1.5	J	1.1	J	34.7	J	14.4	J	0.37	UJ
1,2,3,7,8,9-HxCDD	1.0	J	1.1	J	29.3	J	28.6		0.40	U
1,2,3,7,8,9-HxCDF	0.40	U	0.60	UJ	1.8	UJ	0.30	U	0.20	U
1,2,3,7,8-PeCDD	0.50	U	5.3	J	12.4	J	5.3		0.30	U
1,2,3,7,8-PeCDF	0.72	EMPC	1.3	EMPC	58.5	EMPC	14.7	EMPC	0.20	U
1,2,4,5,7,8-hexachloro(9H)xanthene	1.94	J	788.21	J$	1129.36	J$	1733.9	J$	9.41	J
2,3,4,6,7,8-HxCDF	1.4	J	1.9	J	48.5	J	17.3		0.53	U
2,3,4,7,8-PeCDF	0.57	EMPC	0.98	J	30.5	J	6.4		0.00	U
2,3,7,8-TCDD	58.6		8300	J$	7300	J$	2840	$	60.0	
2,3,7,8-TCDF	0.88	J	3.9	J	45.1	J	15.6		0.20	U
OCDD	63.6		107	J	2550	J$	3790	EB$	48.6	EB
OCDF	7.1	J	10.1	J	523	J	361	EB	4.2	EBJ
Total HpCDD	19.5	J	31.6	J	1140	J	1210	J	16.9	J
Total HpCDF	11.5	J	17.7	J	802	J	548	J	7.2	J
Total HxCDD	9.0	J	8.6	J	311	J	200	J	3.2	EMPC
Total HxCDF	19.0	J	25.9	J	1190	J	331	J	6.6	EMPC
Total PeCDD	1.4	EMPC	12.2	J	82.6	J	24.5	J	0.31	EMPC
Total PeCDF	10.9	J	38.1	J	900	J	196	J	4.0	EMPC
Total TCDD	63.7	J	8400	J$	7600	J$	2840	J$	60.0	J
Total TCDF	8.1	J	51.1	J	777	J	207	J	0.00	UJ
Toxicity Equivalency	60.1		8310		7370		2870		60.5	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SD-2013-000.5-01		WRC-SD-2014-01		WRC-SD-2015-01		WRL-SD-2039-01		WRL-SD-2040-01	
Sample Location	WRC-SD-2013		WRC-SD-2014		WRC-SD-2015		WRL-SD-2039		WRL-SD-2040	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	11/1/99		11/1/99		11/1/99		10/25/99		10/25/99	
QC Identifier	None		None		None		None		Field Dup. WRL-SD-2040-01	
TAL Metal Analysis (MG/KG)	D00960		D00961		D00962		D00688		D00685	
Aluminum	4990		1960		7020		2670		2140	
Antimony	0.54	UJ	0.45	UJ	3.3	J	1.1	J	0.68	U
Arsenic	0.83	U	0.69	U	4.9		4.7		0.64	U
Barium	41.5	U	15.7	U	181		48.9		19.4	
Beryllium	1.2		0.23	J	1.4		0.62		0.25	
Cadmium	0.08	U	0.07	U	1.4		1.3		0.07	U
Calcium	2350		383		802		1110		338	
Chromium	10.8		13.5		242		33.6		4.3	J
Cobalt	3.3		2.3	J	6.6		3.7	U	2.4	U
Copper	9.3		9.1		303		36.1		5.3	U
Iron	10000		5780		13900		5780		6400	
Lead	22.7		26.3		321		173		11.5	
Magnesium	883		497		1300		597		640	
Manganese	333		108		256		310		297	
Mercury	0.03	J	0.03	J	0.35	J	0.19		0.01	U
Nickel	7.0		4.8		42.5		10.1		4.7	U
Potassium	348	J	393	J	699	J	341		349	
Selenium	0.73	U	0.61	U	1.1	J	0.93	U	1.0	U
Silver	2.8	UJ	1.5	UJ	5.0	UJ	5.7		1.5	U
Sodium	188	UJ	48.4	UJ	143	UJ	69.7		38.1	
Thallium	0.58	U	0.49	U	0.53	U	0.42	U	0.73	J
Vanadium	8.7		6.3		89.3		10.6		4.0	
Zinc	61.2		29.2	U	705		159		61.8	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SD-2013-000.5-01		WRC-SD-2014-01		WRC-SD-2015-01		WRL-SD-2039-01		WRL-SD-2040-01	
Sample Location	WRC-SD-2013		WRC-SD-2014		WRC-SD-2015		WRL-SD-2039		WRL-SD-2040	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	11/1/99		11/1/99		11/1/99		10/25/99		10/25/99	
QC Identifier	None		None		None		None		Field Dup WRL-SD-2040-01	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)	D00960		D00961		D00962		D00888		D00885	
Acid Volatile Sulfide	14.52087		0.05057	U	0.95443		16.3238		0.0458	U
Cadmium	0.00215	U	0.00115	U	0.01367	J	0.01101	J	0.00105	U
Copper	0.32788		0.21942		3.82204		1.19111	J	0.09161	UJ
Lead	0.06919		0.36153		1.49978		0.63265		0.08113	U
Mercury	0.00006	UJ	0.00003	UJ	0.00005	UJ	0.00006	U	0.00006	U
Nickel	0.96052	J	0.61924	J	1.1699	J	0.66776	J	0.09915	UJ
SEM/AVS	0.14593		28.67592		17.19212		0.45176		21.7022	
Simultaneously Extracted Metal	2.11905		1.45		16.40867		7.3744		0.99404	
Zinc	0.76169	J	0.25048	J	9.90326	J	4.87183		0.72269	
Total Organic Carbon Analysis (MG/KG)	D00960		D00961		D00962		D00888		D00885	
Total Organic Carbon	83600		2690		41700		87700		1440	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-DU-102599A		WRL-SD-2040-01-MAX		WRL-SD-2041-01		WRL-SD-2042-01		WRL-SD-2043-01	
Sample Location	WRL-SD-2040		WRL-SD-2040		WRL-SD-2041		WRL-SD-2042		WRL-SD-2043	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/25/99		10/25/99		10/25/99		11/2/99		11/8/99	
QC Identifier	Field Dup. WRL-SD-2040-01		Field Dup. WRL-SD-2040-01		None		None		None	
Semivolatile Organic Analysis (UG/KG)	D00886	NA	D00885	NA	D00887	NA	D00974	NA	D01009	NA
1,1'-Biphenyl	780	U	780	U	490	U	4600	U	4900	U
1,2,4-Trichlorobenzene	780	U	780	U	490	U	4600	U	4900	U
1,2-Dichlorobenzene	780	U	780	U	490	U	4600	U	4900	U
1,3-Dichlorobenzene	780	U	780	U	490	U	4600	U	4900	U
1,4-Dichlorobenzene	780	U	780	U	490	U	4600	U	4900	U
2,2'-oxybis(1-Chloropropane)	2000	U	2000	U	1200	U	12000	U	12000	U
2,4,5-Trichlorophenol	780	U	780	U	490	U	4600	U	4900	U
2,4,6-Trichlorophenol	780	U	780	U	490	U	4600	U	4900	U
2,4-Dichlorophenol	780	U	780	U	490	U	4600	U	4900	U
2,4-Dimethylphenol	2000	U	2000	U		R		R	12000	U
2,4-Dinitrophenol	780	U	780	U	490	UJ	4600	U	4900	U
2,4-Dinitrotoluene	780	U	780	U	490	UJ	4600	U	4900	U
2,6-Dinitrotoluene	780	U	780	U	490	U	4600	U	4900	U
2-Chloronaphthalene	780	U	780	U	490	U	4600	U	4900	U
2-Chlorophenol	780	U	780	U	490	U	4600	U	4900	U
2-Methylnaphthalene	780	U	780	U	490	U	4600	U	4900	U
2-Methylphenol	2000	U	2000	U	1200	U	12000	UJ	12000	U
2-Nitroaniline	780	U	780	U	490	U	4600	U	4900	U
2-Nitrophenol	780	U	780	U	490	U	4600	U	4900	U
3,3'-Dichlorobenzidine	2000	U	2000	U	1200	UJ	12000	U	12000	U
3-Nitroaniline	2000	U	2000	U	1200	UJ	12000	UJ	12000	U
4,6-Dinitro-2-methylphenol	780	U	780	U	490	U	4600	U	4900	U
4-Bromophenyl-phenylether	780	U	780	U	490	U	4600	U	4900	U
4-Chloro-3-methylphenol	780	U	780	U	490	U	4600	U	4900	U
4-Chloroaniline	780	U	780	U	490	U	4600	U	4900	U
4-Chlorophenyl-phenylether	780	U	780	U	490	U	4600	U	4900	U
4-Methylphenol	2000	U	2000	U	1200	U	12000	UJ	12000	U
4-Nitroaniline	2000	U	2000	U	1200	UJ		R	12000	U
4-Nitrophenol	780	U	780	U	92	J	4600	U	4900	U
Acenaphthene	780	U	780	U	490	U	4600	U	4900	U
Acenaphthylene		NA		NA		NA		NA		NA
Acetophenone	780	U	780	U	200	J	550	J	4900	U
Anthracene										

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-DU-102599A		WRL-SD-2040-01-MAX		WRL-SD-2041-01		WRL-SD-2042-01		WRL-SD-2043-01	
Sample Location	WRL-SD-2040		WRL-SD-2040		WRL-SD-2041		WRL-SD-2042		WRL-SD-2043	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/25/99		10/25/99		10/25/99		11/2/99		11/8/99	
QC Identifier	Field Dup. WRL-SD-2040-01		Field Dup. WRL-SD-2040-01		None		None		None	
Atrazine		NA		NA		NA		NA		NA
Benzaldehyde		NA		NA		NA		NA		NA
Benzo(a)anthracene	300	J	300		1300		2900	J	1700	J
Benzo(a)pyrene	310	J	310		1300		2400	J	1700	J
Benzo(b)fluoranthene	300	J	300		1500		3000	J	1800	J
Benzo(g,h,i)perylene	180	J	180		380	J	4600	U	980	J
Benzo(k)fluoranthene	250	J	250		1300		3500	J	1500	J
Bis(2-Chloroethoxy)methane	780	U	780	U	490	U	4600	U	4900	U
Bis(2-Chloroethyl)ether	780	U	780	U	490	U	4600	U	4900	U
bis(2-Ethylhexyl)phthalate	110	J	110		960		1700	J	1300	J
Butylbenzylphthalate	780	U	780	U	130	J	4600	U	4900	UJ
Caprolactam		NA		NA		NA		NA		NA
Carbazole	780	U	780	U	250	J	4600	U	4900	U
Chrysene	370	J	370		1700		3800	J	2300	J
Di-n-Butylphthalate	780	U	780	U	99	J	4600	U	4900	U
Di-n-octylphthalate	780	U	780	U	490	U	4600	U	4900	UJ
Dibenzo(a,h)anthracene	780	U	780	U	340	J	920	J	4900	U
Dibenzofuran	780	U	780	U	54	J	4600	U	4900	U
Diethylphthalate	780	U	780	U	490	U	4600	U	4900	U
Dimethylphthalate	780	U	780	U	490	U	4600	U	4900	U
Fluoranthene	690	J	690		2500		7800		4100	J
Fluorene	780	U	780	U	130	J	4600	U	4900	U
Hexachlorobenzene	780	U	780	U	490	U	4600	U	4900	U
Hexachlorobutadiene	780	U	780	U	490	U	4600	U	4900	U
Hexachlorocyclopentadiene	780	U	780	U	490	UJ	4600	UJ	4900	U
Hexachloroethane	780	U	780	U	490	U	4600	U	4900	U
Indeno(1,2,3-cd)pyrene	180	J	180		750		1900	J	1000	J
Isophorone	780	U	780	U	490	U	4600	U	4900	U
N-Nitroso-di-n-propylamine	780	U	780	U	490	U	4600	U	4900	U
N-Nitroso-diphenylamine	780	U	780	U	490	U	4600	U	4900	U
Naphthalene	780	U	780	U	490	U	4600	U	4900	U
Nitrobenzene	780	U	780	U	490	U	4600	U	4900	U
Pentachlorophenol	2000	U	2000	U	1200	UJ	12000	UJ	12000	U
Phenanthrene	360	J	360		1600		3000	J	2100	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
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Sample Number	WRL-DU-102599A		WRL-SD-2040-01-MAX		WRL-SD-2041-01		WRL-SD-2042-01		WRL-SD-2043-01	
Sample Location	WRL-SD-2040		WRL-SD-2040		WRL-SD-2041		WRL-SD-2042		WRL-SD-2043	
Interval	0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5		0 0-0 5	
Date Sampled	10/25/99		10/25/99		10/25/99		11/2/99		11/8/99	
QC Identifier	Field Dup. WRL-SD-2040-01		Field Dup. WRL-SD-2040-01		None		None		None	
Phenol	780	U	780	U	490	U	4600	U	4900	U
Pyrene	570	J	570		2700		5400		3400	J
Total PAH	390		390		2000		4100		2200	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-DU-102599A		WRL-SD-2040-01-MAX		WRL-SD-2041-01		WRL-SD-2042-01		WRL-SD-2043-01	
Sample Location	WRL-SD-2040		WRL-SD-2040		WRL-SD-2041		WRL-SD-2042		WRL-SD-2043	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/25/99		10/25/99		10/25/99		11/2/99		11/8/99	
QC Identifier	Field Dup. WRL-SD-2040-01		Field Dup. WRL-SD-2040-01		None		None		None	
Pesticide/PCB Analysis (UG/KG)	D00886		D00885		D00887		D00974		D01009	
4,4'-DDD	3.8	U	3.8	U	4.9	U	4.6	U	4.9	U
4,4'-DDE	3.8	U	3.8	U	4.9	U	4.6	U	4.9	U
4,4'-DDT	3.8	U	3.8	U	4.9	U	4.6	U	4.9	U
Aldrin	2.0	U	2.0	U	2.5	U	2.4	U	2.5	U
alpha-BHC	2.0	U	2.0	U	2.5	U	2.4	U	2.5	U
alpha-Chlordane	2.0	U	2.0	U	17		7.5		4.4	
Aroclor, Total	31		31		210		361		307	
Aroclor-1016	38	U	38	U	49	U	46	U	49	U
Aroclor-1221	77	U	77	U	99	U	94	U	100	U
Aroclor-1232	38	U	38	U	49	U	46	U	49	U
Aroclor-1242	38	U	38	U	49	U	46	U	49	U
Aroclor-1248	38	U	38	U	49	U	31	J	47	J
Aroclor-1254	31	J	31		210		330		260	
Aroclor-1260	38	U	38	U	49	U	46	U	49	U
beta-BHC	2.0	U	2.0	U	2.5	U	2.4	U	2.5	U
delta-BHC	2.0	U	2.0	U	2.5	U	2.4	U	2.5	U
Dieldrin	3.8	U	3.8	U	4.9	U	4.6	U	4.9	U
Endosulfan I	2.0	U	2.0	U	2.5	U	2.4	U	2.5	U
Endosulfan II	3.8	U	3.8	U	15		17		13	EB
Endosulfan Sulfate	3.8	U	3.8	U	4.9	U	4.6	U	4.9	U
Endrin	3.8	U	3.8	U	4.9	U	4.6	U	4.9	U
Endrin Aldehyde	3.8	U	3.8	U	4.9	U	4.6	U	4.9	U
Endrin Ketone	3.8	U	3.8	U	4.9	U	4.6	U	4.9	U
gamma-BHC	2.0	UJ	2.0	U	2.5	UJ	2.4	U	2.5	U
gamma-Chlordane	2.0	U	2.0	U	14		9.9		6.9	
Heptachlor	2.0	U	2.0	U	2.5	U	2.4	U	2.5	U
Heptachlor Epoxide	2.0	U	2.0	U	2.5	U	2.4	U	2.5	U
Methoxychlor	20	U	20	U	25	U	24	U	25	U
Toxaphene	200	U	200	U	250	U	240	U	250	U

Summary of Sediment/Soil Analytical Results
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North Providence, Rhode Island

Sample Number	WRL-DU-102599A		WRL-SD-2040-01-MAX		WRL-SD-2041-01		WRL-SD-2042-01		WRL-SD-2043-01	
Sample Location	WRL-SD-2040		WRL-SD-2040		WRL-SD-2041		WRL-SD-2042		WRL-SD-2043	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/25/99		10/25/99		10/25/99		11/2/99		11/8/00	
QC Identifier	Field Dup. WRL-SD-2040-01				None		None		None	
Dioxin Analysis (NG/KG)	D00886		D00886		D00887		D00974		D01009	
1,2,3,4,6,7,8-HpCDD	5.7		9.2		502		658	J	707	J
1,2,3,4,6,7,8-HpCDF	3.0	J	3.4		171		219	J	312	J
1,2,3,4,7,8,9-HpCDF	0.20	U	0.30	U	10.3		11.2	J	14.5	J
1,2,3,4,7,8-HxCDD	0.10	U	0.30	U	5.8		10.7	J	12.2	J
1,2,3,4,7,8-HxCDF	0.41	U	0.48	U	14.1		25.5	J	24.5	J
1,2,3,6,7,8-HxCDD	0.26	EMPC	0.41		16.8		31.0	J	31.8	J
1,2,3,6,7,8-HxCDF	0.26	UJ	0.37	U	10.4	J	18.5	J	17.4	J
1,2,3,7,8,9-HxCDD	0.30	U	0.40	U	16.6		30.8	J	32.2	J
1,2,3,7,8,9-HxCDF	0.09	U	0.20	U	0.70	U	2.2	J	2.2	J
1,2,3,7,8-PeCDD	0.10	U	0.30	U	3.7	J	8.1	J	8.1	J
1,2,3,7,8-PeCDF	0.10	U	0.20	U	7.4		16.7	J	2.5	J
1,2,4,5,7,8-hexachloro(9H)xanthene	12.56	J	12.56		1907.2	J$	2362.62	J	1080.618	J
2,3,4,6,7,8-HxCDF	0.38	U	0.53	U	12.8		22.2	J	21.5	J
2,3,4,7,8-PeCDF	0.00	U		NA	4.9	J	8.6	J	9.2	J
2,3,7,8-TCDD	80.8		80.8		3150	$	2010	J$	3230	J&
2,3,7,8-TCDF	0.60	U	0.60	U	11.1		19.7	J	21.6	J
OCDD	38.8	EB	48.6		3810	EB	2750	J$	4210	J&
OCDF	3.1	EBJ	4.2		289	EB	352	J	514	J
Total HpCDD	10.7	UJ	16.9		1220	J	1380	J	1430	J
Total HpCDF	6.1	J	7.2		438	J	459	J	737	J
Total HxCDD	2.1	EMPC	3.2		146	J	242	J	266	J
Total HxCDF	6.1	EMPC	6.6		243	J	395	J	424	J
Total PeCDD	0.92	EMPC	0.92		20.3	J	26.8	J	61.2	J
Total PeCDF	3.6	EMPC	4.0		143	J	267	J	307	J
Total TCDD	83.5	J	83.5		3240	J$	2010	J$	3230	J&
Total TCDF	6.7	EMPC	6.7		128	J	227	J	244	J
Toxicity Equivalency	81.1		81.1		3170		2050		3270	

Summary of Sediment/Soil Analytical Results
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Sample Number	WRL-DU-102599A		WRL-SD-2040-01-MAX		WRL-SD-2041-01		WRL-SD-2042-01		WRL-SD-2043-01	
Sample Location	WRL-SD-2040		WRL-SD-2040		WRL-SD-2041		WRL-SD-2042		WRL-SD-2043	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/25/99		10/25/99		10/25/99		11/2/99		11/8/99	
QC Identifier	Field Dup. WRL-SD-2040-01		Field Dup. WRL-SD-2040-01		None		None		None	
TAL Metal Analysis (MG/KG)	D00886		D00886		D00887		D00974		D01009	
Aluminum	2260		2260		5960		8740		7820	
Antimony	0.58	U	0.68	U	1.6	J	1.2	J	2.4	J
Arsenic	0.54	U	0.64	U	6.5		3.9		3.0	
Barium	22.6		22.6		82.9		99.5		107	
Beryllium	0.17	J	0.25		0.81		1.7		1.5	
Cadmium	0.06	U	0.07	U	0.52		0.17		0.72	
Calcium	294		338		1490		1990		2560	
Chromium	6.9		6.9		56.1		90.2		91.1	
Cobalt	3.1	U	3.1	U	5.4	U	5.9		7.3	
Copper	5.5	U	5.5	U	58.5		72.1		88.9	
Iron	5600		6400		10400		13300		13100	
Lead	12.2		12.2		145		198		198	
Magnesium	959		959		1470		2010		1940	
Manganese	268		297		287		431		405	
Mercury	0.01	U	0.01	U	0.11		0.02	UJ	0.28	
Nickel	5.9	U	5.9	U	21.2		18.0		23.1	
Potassium	606		606		863		937	J	1020	
Selenium	0.89	U	1.0	U	1.3	U	0.83	U	0.94	UJ
Silver	1.6	U	1.6	U	3.2	U	4.3	UJ	5.6	UJ
Sodium	29.2		38.1		110		203	UJ	188	U
Thallium	0.43	J	0.73		0.78	J	0.66	U	0.75	U
Vanadium	7.3		7.3		23.6		33.7		30.3	
Zinc	56.1		61.8		260		191		300	

Summary of Sediment/Soil Analytical Results
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Sample Number	WRL-DU-102599A		WRL-SD-2040-01-MAX		WRL-SD-2041-01		WRL-SD-2042-01		WRL-SD-2043-01	
Sample Location	WRL-SD-2040		WRL-SD-2040		WRL-SD-2041		WRL-SD-2042		WRL-SD-2043	
Interval	0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
Date Sampled	10/25/99		10/25/99		10/25/99		11/2/99		11/8/99	
QC Identifier	Field Dup. WRL-SD-2040-01		Field Dup. WRL-SD-2040-01		None		None		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)	D00886		D00885		D00887		D00974		D01009	
Acid Volatile Sulfide	0.04617	U	0.04617	U	2.86481		0.2971		7.06833	
Cadmium	0.00105	U	0.00105	U	0.00518	J	0.00409	J	0.00899	J
Copper	0.68485	J	0.68485		2.01104	J	1.30561		1.07088	
Lead	0.07724	U	0.08113	U	0.64948		1.06021		0.837	
Mercury	0.00003	U	0.00006	U	0.00006	U	0.00007	UJ	0.00007	UJ
Nickel	1.5034	J	1.5034		1.68277	J	0.99261	J	1.01145	J
SEM/AVS	62.10195		62.10195		2.74631		19.10489		1.02729	
Simultaneously Extracted Metal	2.86751		2.86751		7.86767		5.67608		7.26121	
Zinc	0.60282		0.72269		3.51914		2.31352		4.3329	
Total Organic Carbon Analysis (MG/KG)	D00886		D00885		D00887		D00974		D01009	
Total Organic Carbon	3000		3000		38100		67200		60100	

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Sample Number	WRL-SD-2044-0.502-01		WRL-SD-2044-000.5-01		WRL-SD-2044-0203-01		WRM-SD-2054-01	
Sample Location	WRL-SD-2044		WRL-SD-2044		WRL-SD-2044		WRM-SD-2054	
Interval	0.5-2.0		0.0-0.5		2.0-3.0		0.0-0.5	
Date Sampled	11/9/99		11/9/99		11/9/99		12/2/99	
QC Identifier	None		None		None		None	
Semivolatile Organic Analysis (UG/KG)	D01033		D01032		D01034		APK64	
1,1'-Biphenyl		NA		NA		NA	700	U
1,2,4-Trichlorobenzene	2500	UJ	4900	UJ	500	UJ		NA
1,2-Dichlorobenzene	2500	UJ	4900	U	500	UJ		NA
1,3-Dichlorobenzene	2500	UJ	4900	U	500	UJ		NA
1,4-Dichlorobenzene	2500	UJ	4900	UJ	500	UJ		NA
2,2'-oxybis(1-Chloropropane)	2500	UJ	4900	U	500	UJ	700	U
2,4,5-Trichlorophenol	6200	UJ	12000	U	1200	UJ	1800	U
2,4,6-Trichlorophenol	2500	UJ	4900	U	500	UJ	700	U
2,4-Dichlorophenol	2500	UJ	4900	U	500	UJ	700	U
2,4-Dimethylphenol	2500	UJ	4900	U	500	UJ	700	U
2,4-Dinitrophenol	6200	UJ	12000	UJ	1200	UJ	1800	U
2,4-Dinitrotoluene	2500	UJ	4900	U	500	UJ	700	U
2,6-Dinitrotoluene	2500	UJ	4900	U	500	UJ	700	U
2-Chloronaphthalene	2500	UJ	4900	U	500	UJ	700	U
2-Chlorophenol	2500	UJ	4900	U	500	UJ	700	U
2-Methylnaphthalene	2500	UJ	4900	U	500	UJ	700	U
2-Methylphenol	2500	UJ	4900	U	500	UJ	700	U
2-Nitroaniline	6200	UJ	12000	U	1200	UJ	1800	U
2-Nitrophenol	2500	UJ	4900	U	500	UJ	700	U
3,3'-Dichlorobenzidine	2500	UJ	4900	U	500	UJ	700	U
3-Nitroaniline	6200	UJ	12000	U	1200	UJ	1800	U
4,6-Dinitro-2-methylphenol	6200	UJ	12000	U	1200	UJ	1800	U
4-Bromophenyl-phenylether	2500	UJ	4900	U	500	UJ	700	U
4-Chloro-3-methylphenol	2500	UJ	4900	U	500	UJ	700	U
4-Chloroaniline	2500	UJ	4900	U	500	UJ	700	U
4-Chlorophenyl-phenylether	2500	UJ	4900	U	500	UJ	700	U
4-Methylphenol	2500	UJ	4900	U	500	UJ	700	U
4-Nitroaniline	6200	UJ	12000	U	1200	UJ	1800	U
4-Nitrophenol	6200	UJ	12000	U	1200	UJ	1800	U
Acenaphthene	2500	UJ	4900	U	500	UJ	700	U
Acenaphthylene	2500	UJ	4900	U	500	UJ	130	J
Acetophenone		NA		NA		NA	700	U
Anthracene	2500	UJ	4900	U	500	UJ	100	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SD-2044-0.502-01		WRL-SD-2044-000.5-01		WRL-SD-2044-0203-01		WRM-SD-2054-01	
Sample Location	WRL-SD-2044		WRL-SD-2044		WRL-SD-2044		WRM-SD-2054	
Interval	0.5-2.0		0.0-0.5		2.0-3.0		0.0-0.5	
Date Sampled	11/9/99		11/9/99		11/9/99		12/2/99	
QC Identifier	None		None		None		None	
Atrazine		NA		NA		NA	700	U
Benzaldehyde		NA		NA		NA	700	U
Benzo(a)anthracene	2500	UJ	4900	U	500	UJ	470	J
Benzo(a)pyrene	2500	UJ	4900	U	500	UJ	690	J
Benzo(b)fluoranthene	2500	UJ	560	J	500	UJ	1200	
Benzo(g,h,i)perylene	2500	UJ	4900	U	500	UJ	210	J
Benzo(k)fluoranthene	2500	UJ	560	J	500	UJ	830	
Bis(2-Chloroethoxy)methane	2500	UJ	4900	U	500	UJ	700	U
Bis(2-Chloroethyl)ether	2500	UJ	4900	U	500	UJ	700	U
bis(2-Ethylhexyl)phthalate	2500	UJ	4900	U	500	UJ	360	J
Butylbenzylphthalate	2500	UJ	4900	U	500	UJ	78	J
Caprolactam		NA		NA		NA	700	U
Carbazole	2500	UJ	4900	U	500	UJ	700	U
Chrysene	2500	UJ	570	J	500	UJ	780	
Di-n-Butylphthalate	2500	UJ	4900	U	500	UJ	700	U
Di-n-octylphthalate	2500	UJ	4900	U	500	UJ	700	U
Dibenzo(a,h)anthracene	2500	UJ	4900	U	500	UJ	78	J
Dibenzofuran	2500	UJ	4900	U	500	UJ	700	U
Diethylphthalate	2500	UJ	4900	U	500	UJ	700	U
Dimethylphthalate	2500	UJ	4900	U	500	UJ	700	U
Fluoranthene	290	J	910	J	500	UJ	1100	
Fluorene	2500	UJ	4900	U	500	UJ	700	U
Hexachlorobenzene	2500	UJ	4900	U	500	UJ	700	U
Hexachlorobutadiene	2500	UJ	4900	U	500	UJ	700	U
Hexachlorocyclopentadiene	2500	UJ	4900	U	500	UJ	700	U
Hexachloroethane	2500	UJ	4900	U	500	UJ	700	U
Indeno(1,2,3-cd)pyrene	2500	UJ	4900	U	500	UJ	220	J
Isophorone	2500	UJ	4900	U	500	UJ	700	U
N-Nitroso-di-n-propylamine	2500	UJ	4900	U	500	UJ	700	U
N-Nitroso-diphenylamine	2500	UJ	4900	U	500	UJ	700	U
Naphthalene	2500	UJ	4900	U	500	UJ	700	U
Nitrobenzene	2600	UJ	4900	U	600	UJ	700	U
Pentachlorophenol	6200	UJ	12000	U	1200	UJ	1800	U
Phenanthrene	2000	UJ	4900	U	500	UJ	640	J

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SD-2044-0.502-01		WRL-SD-2044-000.5-01		WRL-SD-2044-0203-01		WRM-SD-2054-01	
Sample Location	WRL-SD-2044		WRL-SD-2044		WRL-SD-2044		WRM-SD-2054	
Interval	0.5-2.0		0.0-0.5		2.0-3.0		0.0-0.5	
Date Sampled	11/9/99		11/9/99		11/9/99		12/2/99	
QC Identifier	None		None		None		None	
Phenol	2500	UJ	4900	U	500	UJ	700	U
Pyrene	260	J	980	J	500	UJ	1400	
Total PAH	2500	U	62		500	U	970	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SD-2044-0.502-01		WRL-SD-2044-000.5-01		WRL-SD-2044-0203-01		WRM-SD-2054-01	
Sample Location	WRL-SD-2044		WRL-SD-2044		WRL-SD-2044		WRM-SD-2054	
Interval	0.5-2.0		0.0-0.5		2.0-3.0		0.0-0.5	
Date Sampled	11/9/99		11/9/99		11/9/99		12/2/99	
QC Identifier	None		None		None		None	
Pesticide/PCB Analysis (UG/KG)	D01033		D01032		D01034		APK84	
4,4'-DDD	5.0	UJ	5.0	UJ	5.0	U	6.9	U
4,4'-DDE	5.0	UJ	5.0	UJ	5.0	U	6.9	U
4,4'-DDT	5.0	UJ	5.0	UJ	5.0	U	6.9	U
Aldrin	2.6	UJ	2.6	UJ	2.6	U	3.5	U
alpha-BHC	2.6	UJ	2.6	UJ	2.6	U	3.5	U
alpha-Chlordane	2.6	UJ	2.6	UJ	2.6	U	3.5	U
Aroclor, Total	129		95		44		390	
Aroclor-1016	50	UJ	50	UJ	50	U	69	U
Aroclor-1221	100	UJ	100	UJ	100	U	140	U
Aroclor-1232	50	UJ	50	UJ	50	U	69	U
Aroclor-1242	50	UJ	50	UJ	50	U	69	U
Aroclor-1248	39	J	21	J	50	U	69	U
Aroclor-1254	90	J	74	J	44	J	390	
Aroclor-1260	50	U	50	UJ	50	U	69	U
beta-BHC	2.6	UJ	2.6	UJ	2.6	U	3.5	U
delta-BHC	2.6	UJ	2.6	UJ	2.6	U	3.5	U
Dieldrin	5.0	UJ	5.0	UJ	5.0	U	6.9	UJ
Endosulfan I	2.6	UJ	2.6	UJ	2.6	U	3.5	U
Endosulfan II	7.6	J	5.0	UJ	5.0	U	6.9	U
Endosulfan Sulfate	5.0	UJ	5.0	UJ	5.0	U	6.9	U
Endrin	5.0	UJ	5.0	UJ	5.0	U	6.9	UJ
Endrin Aldehyde	5.0	UJ	5.0	UJ	5.0	U	6.9	U
Endrin Ketone	5.0	UJ	5.0	UJ	5.0	U	6.9	U
gamma-BHC	2.6	UJ	2.6	UJ	2.6	U	3.5	UJ
gamma-Chlordane	2.6	UJ	2.6	UJ	2.6	U	3.5	U
Heptachlor	2.6	UJ	2.6	UJ	2.6	U	3.5	UJ
Heptachlor Epoxide	2.6	UJ	2.6	UJ	2.6	U	3.5	U
Methoxychlor	26	UJ	26	UJ	26	U	35	U
Toxaphene	260	UJ	260	UJ	260	U	350	U

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SD-2044-0.502-01		WRL-SD-2044-000.5-01		WRL-SD-2044-0203-01		WRM-SD-2054-01	
Sample Location	WRL-SD-2044		WRL-SD-2044		WRL-SD-2044		WRM-SD-2054	
Interval	0.5-2.0		0.0-0.5		2.0-3.0		0.0-0.5	
Date Sampled	11/9/99		11/9/99		11/9/99		12/2/99	
QC Identifier	None		None		None		None	
Dioxin Analysis (NG/KG)	D01033		D01032		D01034		D01142	
1,2,3,4,6,7,8-HpCDD	605	J	763	J	184		416	J
1,2,3,4,6,7,8-HpCDF	313	J	265	J	407		205	J
1,2,3,4,7,8,9-HpCDF	17.3	J	15.8	J	13.6		16.5	J
1,2,3,4,7,8-HxCDD	12.5	J	13.2	J	4.4	J	8.5	J
1,2,3,4,7,8-HxCDF	52.2	J	49.2	J	36.2		41.0	J
1,2,3,6,7,8-HxCDD	34.0	J	41.5	J	14.3		26.4	J
1,2,3,6,7,8-HxCDF	37.6	J	32.8	J	36.7		22.2	J
1,2,3,7,8,9-HxCDD	36.5	J	36.8	J	15.0		28.3	J
1,2,3,7,8,9-HxCDF	2.8	UJ	1.5	UJ	2.4	U	1.9	UJ
1,2,3,7,8-PeCDD	11.7	J	13.7	J	3.3	U	12.7	J
1,2,3,7,8-PeCDF	12.0	J	13.3	EMPC	9.8		21.2	EMPC
1,2,4,5,7,8-hexachloro(9H)xanthene	781.76	J	1126.03	J	65.17	J	805	J
2,3,4,6,7,8-HxCDF	35.2	J	31.3	J	26.5		28.9	J
2,3,4,7,8-PeCDF	23.6	J	23.7	J	9.9		18.7	J
2,3,7,8-TCDD	2220	J$	3350	J$	217		2620	J$
2,3,7,8-TCDF	74.6	J	73.6	J	31.1		33.5	J
OCDD	2910	JEB	3760	JEB	672	JEB	2360	J
OCDF	239	J	264	J	213		231	J
Total HpCDD	1170	J	1520	J	351	J	794	J
Total HpCDF	571	J	524	J	666	J	418	J
Total HxCDD	330	J	355	J	143	J	241	J
Total HxCDF	629	J	567	J	519	J	404	J
Total PeCDD	69.5	J	154	J	26.7	J	87.8	J
Total PeCDF	561	J	436	J	314	J	347	J
Total TCDD	2220	J$	3410	J$	238	J	2680	J$
Total TCDF	929	J	840	J	374	J	313	J
Toxicity Equivalency	2280		3410		247		2670	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SD-2044-0.502-01		WRL-SD-2044-000.5-01		WRL-SD-2044-0203-01		WRM-SD-2054-01	
Sample Location	WRL-SD-2044		WRL-SD-2044		WRL-SD-2044		WRM-SD-2054	
Interval	0.5-2.0		0.0-0.5		2.0-3.0		0.0-0.5	
Date Sampled	11/9/99		11/9/99		11/9/99		12/2/99	
QC Identifier	None		None		None		None	
TAL Metal Analysis (MG/KG)	D01033		D01032		D01034		MAMA51	
Aluminum	12500		16100		7830		10700	
Antimony	4.7	J	8.2	J	4.7	J	2.2	J
Arsenic	7.2		11.4		7.3		8.0	
Barium	70.2		99.6		45.3		90.9	
Beryllium	1.8		3.3		1.1	J	1.8	
Cadmium	7.0	J	3.4	J	1.2	J	0.40	U
Calcium	3320	J	5300	J	2220	J	2060	
Chromium	187		194		200		116	
Cobalt	12.7	J	23.4	J	5.7	U	6.3	
Copper	118		143		105		91.5	
Iron	21600		39600		11700		25000	
Lead	298		471		178		361	
Magnesium	1910	J	2620	J	1120	J	2460	
Manganese	260		183		135		525	
Mercury	0.45	J	0.47	J	0.37	J	0.31	J
Nickel	48.5		92.5		10.3	J	24.2	
Potassium	1000		1480		799		749	
Selenium	4.5	J	3.3	UJ	2.7	UJ	2.9	J
Silver	8.5		14.6		3.6	U	1.6	J
Sodium	225		301		169	U	415	
Thallium	1.8	U	2.6	U	2.2	U	2.8	U
Vanadium	45.7		72.7		29.3		44.4	
Zinc	2060	J	1550	J	578	J	234	

Summary of Sediment/Soil Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SD-2044-0.502-01		WRL-SD-2044-000.5-01		WRL-SD-2044-0203-01		WRM-SD-2054-01	
Sample Location	WRL-SD-2044		WRL-SD-2044		WRL-SD-2044		WRM-SD-2054	
Interval	0.5-2.0		0.0-0.5		2.0-3.0		0.0-0.5	
Date Sampled	11/9/99		11/9/99		11/9/99		12/2/99	
QC Identifier	None		None		None		None	
Acid Volatile Sulfides/Simultaneously Extracted Metals Analysis (UMOL/G)			D01032					
Acid Volatile Sulfide		NA	29.58			NA		NA
Cadmium		NA	0.04	J		NA		NA
Copper		NA	1.79	J		NA		NA
Lead		NA	1.862			NA		NA
Mercury		NA	0.00017	U		NA		NA
Nickel		NA	2.59	J		NA		NA
SEM/AVS			0.97					
Simultaneously Extracted Metal		NA	28.64			NA		NA
Zinc		NA	22.36	J		NA		NA
Total Organic Carbon Analysis (MG/KG)			D01032					
Total Organic Carbon		NA	129000			NA		NA

TETRA TECH NUS, INC.
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(978) 658-7899 • FAX (978) 658-7870 • www.tetratech.com

RAC1-EPA-2104

Contract No. 68-W6-0045

March 30, 2000

Ms. Christine Clark
Regional Sample Control Coordinator
U.S. Environmental Protection Agency
Office of Environmental Measurement and Evaluation
60 Westview Street
Lexington, Massachusetts 02421

Subject: Tier I Data Validation, W.A. No. 043-TATA-016P
DAS Case 0112H, SDG D01009
Ceimic Corporation
Centredale Manor Site, North Providence, Rhode Island

Grain Size Distribution:
14/Sediment/ D01009, D01010, D01016, D01017, D01024, D01026, D01032, D01038, D01040, D01042, D01044, D01045, D01049, D01050
(Field Duplicate Pair D01024/D01026)

Dear Ms. Clark:

Tetra Tech NUS (TtNUS) performed a Tier I data validation on the grain size distribution analytical data for DAS Case 0112H, SDG D01009, from sediment samples collected by TtNUS at the Centredale Manor site. The grain size analysis was performed by the ASTM D422-63 as specified in the TtNUS Technical Specification No. S99-RAC1-118. The Tier I data validation was performed according to the September 1999 approved Sampling and Analysis Plan. The data validation was performed using the Region I, EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, December 1996 criteria.

A Tier I data validation is based only on the following parameter:

- Data Completeness (CSF Audit – Tier I)

Data Completeness

The data package was missing the following items:

- a completed CSF form
- analytical balance calibration logbook pages
- thermometer temperature check logbook pages
- percent moisture analysis bench sheets

These items were requested from the laboratory on March 15, 2000. All items except a completed CSF form were received at TtNUS on March 28, 2000. The laboratory noted that a CSF form was not generated for this analysis. The data package was determined to be complete during the data validation process.

Please contact L. Terzis at (978) 658-7899 should you have any questions or comments regarding this information.

Sincerely,

Linda Terzis

Linda Terzis
Data Validator

Lucy Guzman
RAC Lead Chemist

PMO – @

Enclosures: Data Results and Grain Size Graphs – Unvalidated Data
Laboratory Communications
Field Sampling Notes (in SDGs D00900, D00930, D00971, D01020)
CSF Audit (DC-2 Form)
DQO Summary Form

c: A. Krasko (EPA) w/o enc.
S. Parker (TtNUS) w/o enc.
File N0400-2.6 w/ enc.

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RAC1-EPA-2103

Contract No. 68-W6-0045

March 30, 2000

Ms. Christine Clark
Regional Sample Control Coordinator
U.S. Environmental Protection Agency
Office of Environmental Measurement and Evaluation
60 Westview Street
Lexington, Massachusetts 02421

Subject: Tier I Data Validation, W.A. No. 043-TATA-016P
DAS Case 0112H, SDG D00881
Ceimic Corporation
Centredale Manor Site, North Providence, Rhode Island

Grain Size Distribution:
41/Sediment/ D00881, D00882, D00885, D00886, D00887, D00888, D00889, D00902, D00904, D00906, D00907, D00911, D00912, D00913, D00914, D00918, D00924, D00929, D00932, D00939, D00940, D00941, D00945, D00947, D00959, D00960, D00961, D00962, D00966, D00967, D00969, D00974, D00981, D00982, D00983, D00987, D00991, D00992, D00997, D01003, D01004
(Field Duplicate Pairs: D00885/D00886, D00912/D00913, and D00987/D00982)

Dear Ms. Clark:

Tetra Tech NUS (TtNUS) performed a Tier I data validation on the grain size distribution analytical data for DAS Case 0112H, SDG D00881, from sediment samples collected by TtNUS at the Centredale Manor site. The grain size analysis was performed by the ASTM D422-63 as specified in the TtNUS Technical Specification No. S99-RAC1-118. The Tier I data validation was performed according to the September 1999 approved Sampling and Analysis Plan. The data validation was performed using the Region I, EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, December 1996 criteria.

A Tier I data validation is based only on the following parameter:

- Data Completeness (CSF Audit – Tier I)

Data Completeness

The data package was missing the following items:

- a completed CSF form
- analytical balance calibration logbook pages
- thermometer temperature check logbook pages
- percent moisture analysis bench sheets

These items were requested from the laboratory on March 15, 2000. All items except a completed CSF form were received at TtNUS on March 28, 2000. The laboratory noted that a CSF form was not generated for this analysis. The data package was determined to be complete during the data validation process.

Please contact L. Terzis at (978) 658-7899 should you have any questions or comments regarding this information.

Sincerely,

Linda Terzis
Data Validator

Lucy Guzman
RAC Lead Chemist

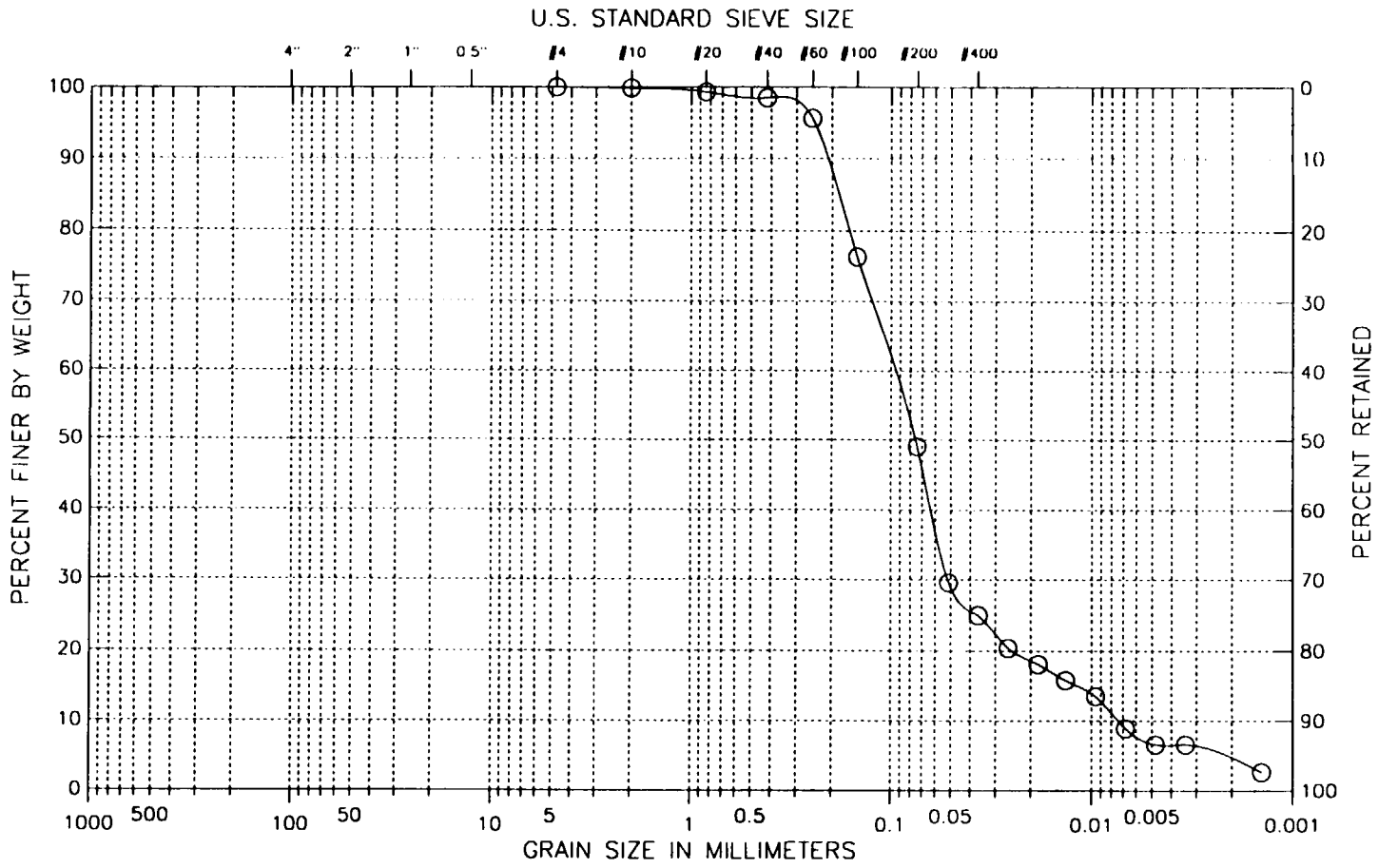
PMO – @

Enclosures: Data Results and Grain Size Graphs – Unvalidated Data
Laboratory Communications
Field Sampling Notes (in SDGs D00900, D00930, D00971, D01020)
CSF Audit (DC-2 Form)
DQO Summary Form

c: A. Krasko (EPA) w/o enc.
S. Parker (TtNUS) w/o enc.
File N0400-2.6 w/ enc.

RCC - FP-3001-01

Boring No. :	Project : Tetra Tech NUS; N0400
Sample No.: D01045	Project No.: GTX 2632
Test Method ASTM D 422	Location: - - -
Filename : 01045	Date : Thu Dec 16 1999



Classification :

Remarks :

Visual Description :
Wet, dark brown sandy organic silt

Figure 13

RCC-FP-3001-01

Thu Dec 16 12:47:22 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; N0400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01045
Location : ---
Soil Description : Wet, dark brown sandy organic silt
Remarks : ---

Depth : ---
Test Date : 12/08/99
Test Method : ASTM D 422

Filename : D1045
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 21.79 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	12.00	20.50	6.44	0.051	30	0.051
2.00	11.00	20.50	5.44	0.036	25	0.036
4.00	10.00	20.50	4.44	0.026	20	0.026
8.00	9.50	20.50	3.94	0.018	18	0.018
15.00	9.00	20.50	3.44	0.013	16	0.013
30.00	8.50	20.50	2.94	0.010	13	0.010
60.00	7.50	20.50	1.94	0.007	9	0.007
120.00	7.00	20.50	1.44	0.005	7	0.005
240.00	7.00	20.50	1.44	0.003	7	0.003
1391.00	6.50	20.00	0.58	0.001	3	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.03	0.03	100
#20	0.033	0.84	0.12	0.15	99
#40	0.017	0.42	0.19	0.34	98
#60	0.010	0.25	0.63	0.97	96
#100	0.006	0.15	4.20	5.17	76
#200	0.003	0.07	5.95	11.12	49
Pan			10.70	21.82	0

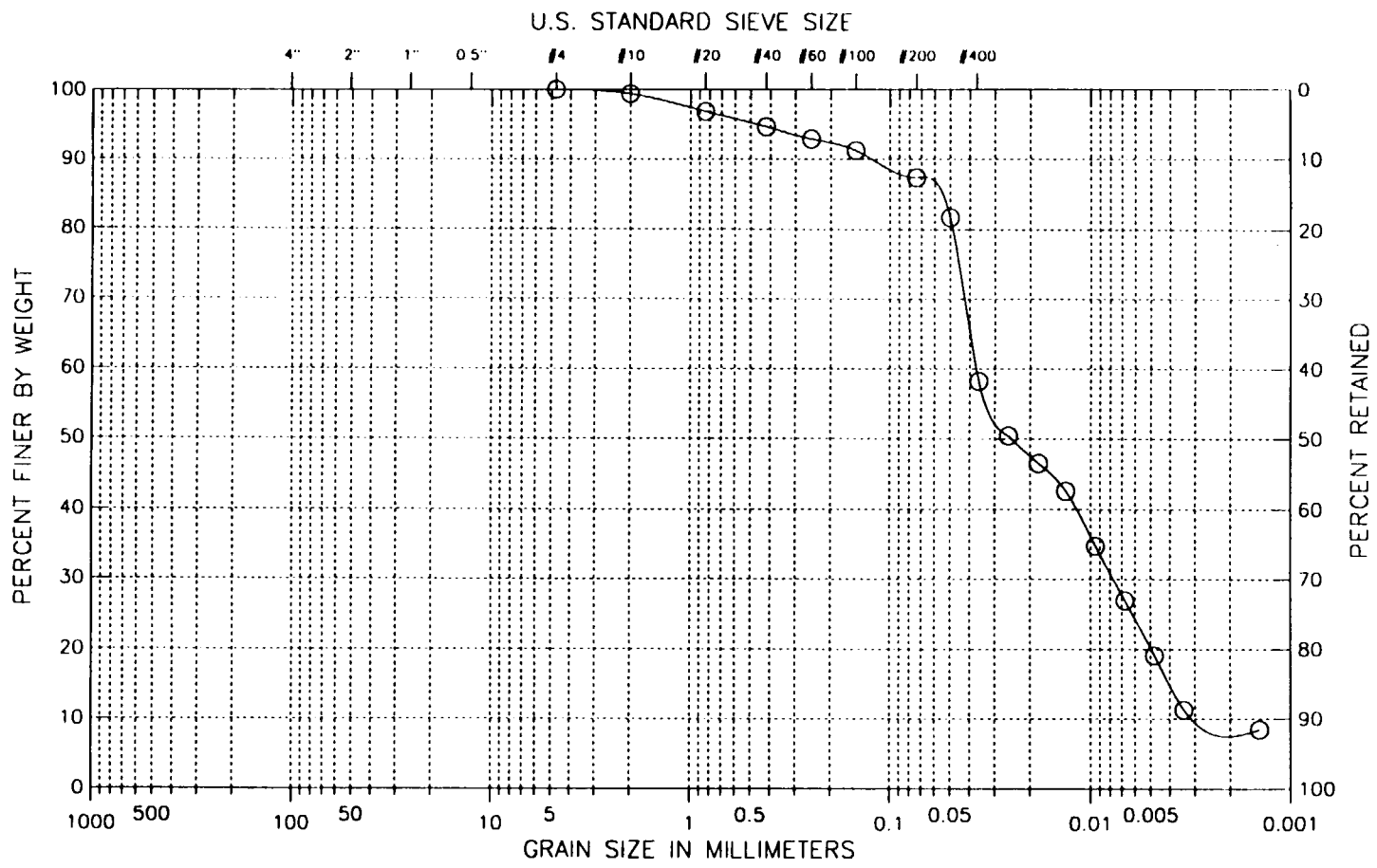
Total Dry Weight of Sample = 134.71

D85 : 0.1882 mm
D60 : 0.0980 mm
D50 : 0.0759 mm
D30 : 0.0518 mm
D15 : 0.0120 mm
D10 : 0.0074 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

RCC-FP-3002-01

Boring No. :	Project : Tetra Tech NUS; N0400
Sample No.: D01040	Project No.: GTX-2632
Test Method ASTM D 422	Location: - - -
Filename : 01040	Date : Thu Dec 16 1999



Classification :

Remarks :

Visual Description :
Wet, black organic silt with sand

Figure 9

GeoTesting Express • Boxborough, MA • (978) 635-0424 • Fax (978) 635-0266

Thu Dec 16 12:47:22 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; NC400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01040
Location : ---
Soil Description : Wet, black organic silt with sand
Remarks : ---

Depth : ---
Test Date : 12/08/99
Test Method : ASTM D 422

Filename : 01040
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 12.71 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	16.00	20.50	10.44	0.050	82	0.050
2.00	13.00	20.50	7.44	0.036	58	0.036
4.00	12.00	20.50	6.44	0.026	50	0.026
8.00	11.50	20.50	5.94	0.018	47	0.018
15.00	11.00	20.50	5.44	0.013	43	0.013
30.00	10.00	20.50	4.44	0.009	35	0.009
60.00	9.00	20.50	3.44	0.007	27	0.007
120.00	8.00	20.50	2.44	0.005	19	0.005
240.00	7.00	20.50	1.44	0.003	11	0.003
1383.00	7.00	20.00	1.08	0.001	8	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.08	0.08	99
#20	0.033	0.84	0.33	0.41	97
#40	0.017	0.42	0.28	0.69	95
#60	0.010	0.25	0.22	0.91	93
#100	0.006	0.15	0.21	1.12	91
#200	0.003	0.07	0.49	1.61	87
Pan			11.18	12.79	0

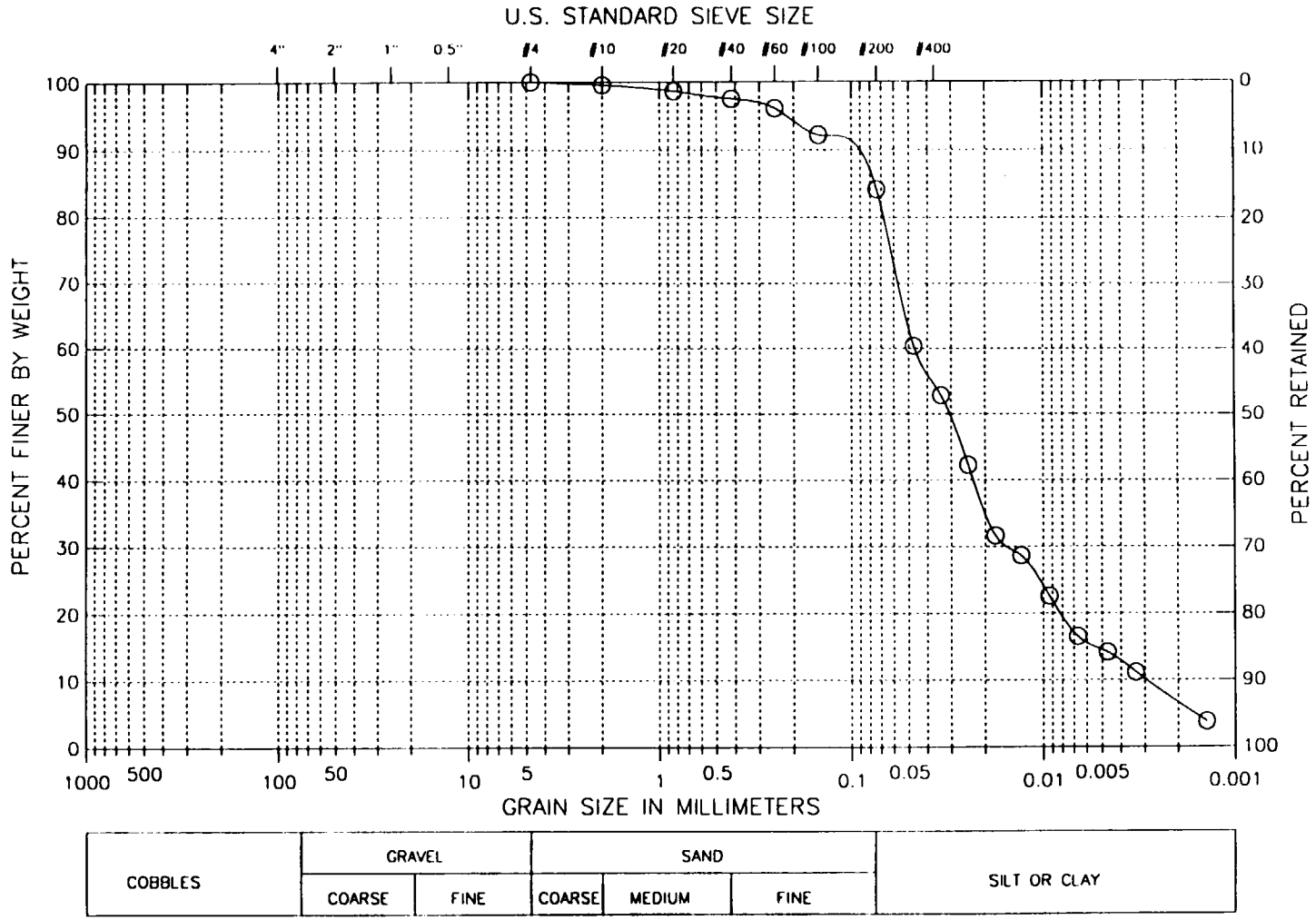
Total Dry Weight of Sample = 139.83

D85 : 0.0627 mm
D60 : 0.0370 mm
D50 : 0.0247 mm
D30 : 0.0077 mm
D15 : 0.0040 mm
D10 : 0.0023 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

RAB-FP-3004-01

	Boring No. : -- Sample No.: D01050 Test Method ASTM D 422 Filename : 01050	Project : Tetra Tech NUS; N0400 Project No.: GIX 2632 Location: --- Date : Thu Dec 16 1999



Classification :

Remarks :

Visual Description :
Wet, very dark grayish brown organic silt w/ sand

Figure 15

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RAB-FP-3004-01

Thu Dec 16 12:47:22 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; NC400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01050
Location : ---
Soil Description : Wet, very dark grayish brown organic silt w/ sand
Remarks : ---

Depth : ---
Test Date : 12/08/99
Test Method : ASTM D 422

Filename : D1050
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT

HYDROMETER

Hydrometer ID : 583901
Weight of air-dried soil = 32.94 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	26.50	20.00	19.96	0.047	60	0.047
2.00	24.00	20.00	17.46	0.034	53	0.034
4.00	20.50	20.00	13.96	0.025	42	0.025
8.00	17.00	20.00	10.46	0.018	32	0.018
15.00	16.00	20.00	9.46	0.013	29	0.013
30.00	14.00	20.00	7.46	0.009	23	0.009
60.00	12.00	20.00	5.46	0.007	17	0.007
121.00	11.00	20.50	4.68	0.005	14	0.005
240.00	10.00	20.50	3.68	0.003	11	0.003
1412.00	8.00	19.50	1.24	0.001	4	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.15	0.15	100
#20	0.033	0.84	0.31	0.46	99
#40	0.017	0.42	0.38	0.84	97
#60	0.010	0.25	0.47	1.31	96
#100	0.006	0.15	1.28	2.59	92
#200	0.003	0.07	2.63	5.22	84
Pan			27.87	33.09	0

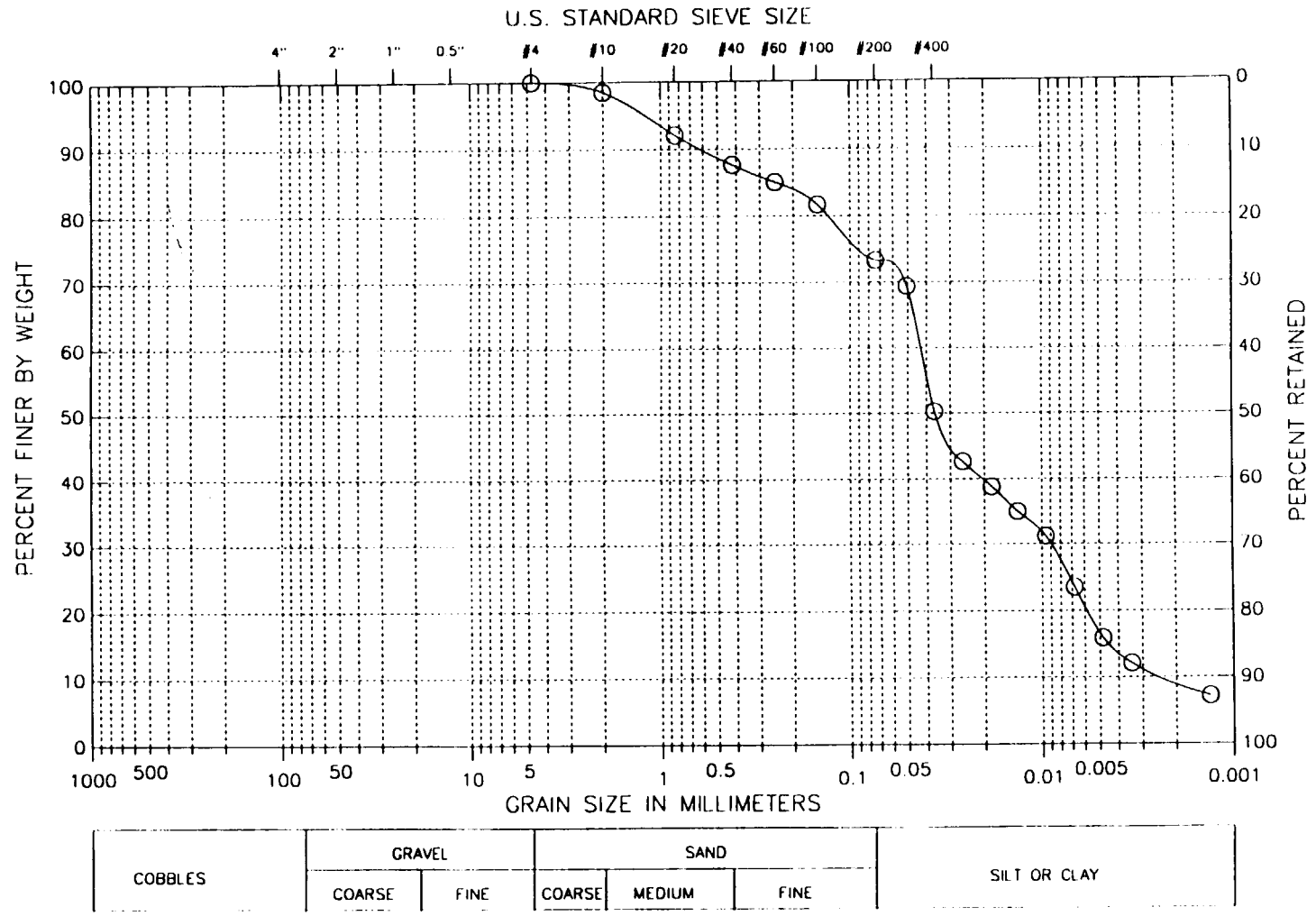
Total Dry Weight of Sample = 166.12

D85 : 0.0792 mm
D60 : 0.0464 mm
D50 : 0.0311 mm
D30 : 0.0150 mm
D15 : 0.0053 mm
D10 : 0.0029 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

CMW-FP-2026-0005-01

	Boring No. : ---- Sample No.: D00929 Test Method ASTM D 422 Filename : 929	Project : Tetra Tech NUS; Centerdale; N0191 Project No.: GTX-2607 Location: Centerdale, RI Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, black sandy organic silt

Figure 19

CMW-FP-2026-000.5-01

Fri Dec 03 14:50:23 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00929
Location : Centerdale, RI
Soil Description : Wet, black sandy organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 929
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 67130
Weight of air-dried soil = 12.91 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	15.00	20.00	9.08	0.051	69	0.051
2.00	12.50	20.00	6.58	0.036	50	0.036
4.00	11.50	20.00	5.58	0.026	43	0.026
8.00	11.00	20.00	5.08	0.018	39	0.018
15.00	10.50	20.00	4.58	0.013	35	0.013
30.00	10.00	20.00	4.08	0.010	31	0.010
60.00	9.00	20.00	3.08	0.007	24	0.007
120.00	8.00	20.00	2.08	0.005	16	0.005
240.00	7.50	20.00	1.58	0.003	12	0.003
1581.00	6.50	20.50	0.94	0.001	7	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.20	0.20	98
#20	0.033	0.84	0.84	1.04	92
#40	0.017	0.42	0.58	1.62	88
#60	0.010	0.25	0.34	1.96	85
#100	0.006	0.15	0.44	2.40	82
#200	0.003	0.07	1.10	3.50	73
Pan			9.61	13.11	0

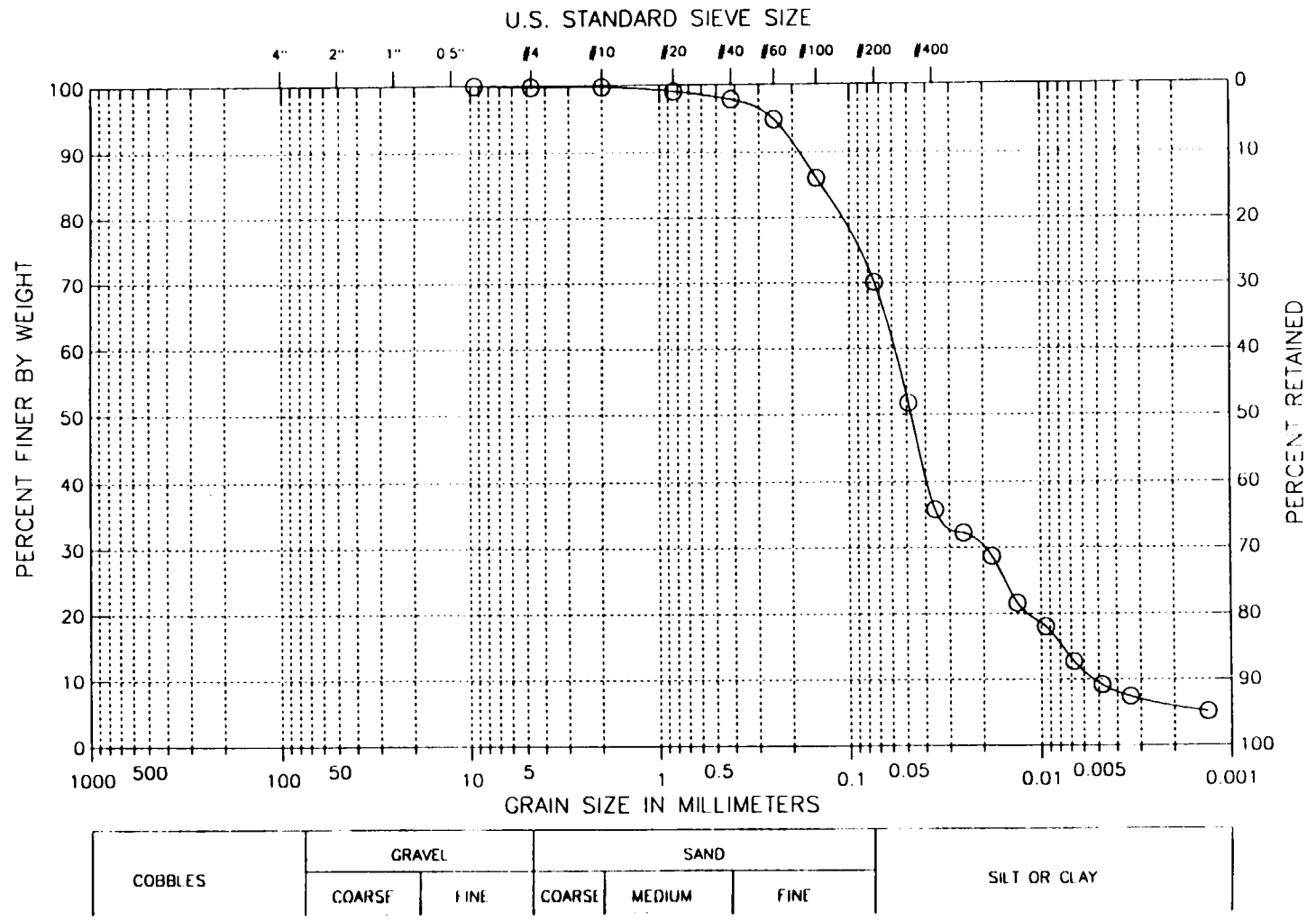
Total Dry Weight of Sample = 119.62

D85 : 0.2481 mm
D60 : 0.0431 mm
D50 : 0.0360 mm
D30 : 0.0091 mm
D15 : 0.0045 mm
D10 : 0.0023 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

CMW-FP-2027-01

	Boring No. : -- Sample No.: D00932 Test Method ASTM D 422 Filename : 932	Project : Tetra Tech NUS; Centerdale; N0191 Project No.: GTX-2607 Location: Centerdale, RI Date : Fri Dec 03 1999



Classification

Remarks

Visual Description :
Wet, very dark gray sandy organic silt

Figure 20

CMW-FP-2027-01

Fri Dec 03 14:50:23 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : 200932
Location : Centerdale, RI
Soil Description : Wet, very dark gray sandy organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 932
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 28.15 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	20.50	20.00	14.58	0.049	52	0.049
2.00	16.00	20.00	10.08	0.036	36	0.036
4.00	15.00	20.00	9.08	0.025	32	0.025
8.00	14.00	20.00	8.08	0.018	29	0.018
15.00	12.00	20.00	6.08	0.013	22	0.013
30.00	11.00	20.00	5.08	0.009	18	0.009
60.00	9.50	20.00	3.58	0.007	13	0.007
120.00	8.50	20.00	2.58	0.005	9	0.005
240.00	8.00	20.00	2.08	0.003	7	0.003
1572.00	7.00	20.50	1.44	0.001	5	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.06	0.06	100
#10	0.079	2.00	0.01	0.07	100
#20	0.033	0.84	0.20	0.27	99
#40	0.017	0.42	0.35	0.62	98
#60	0.010	0.25	0.83	1.45	95
#100	0.006	0.15	2.48	3.93	86
#200	0.003	0.07	4.51	8.44	70
Pan			19.78	28.22	0

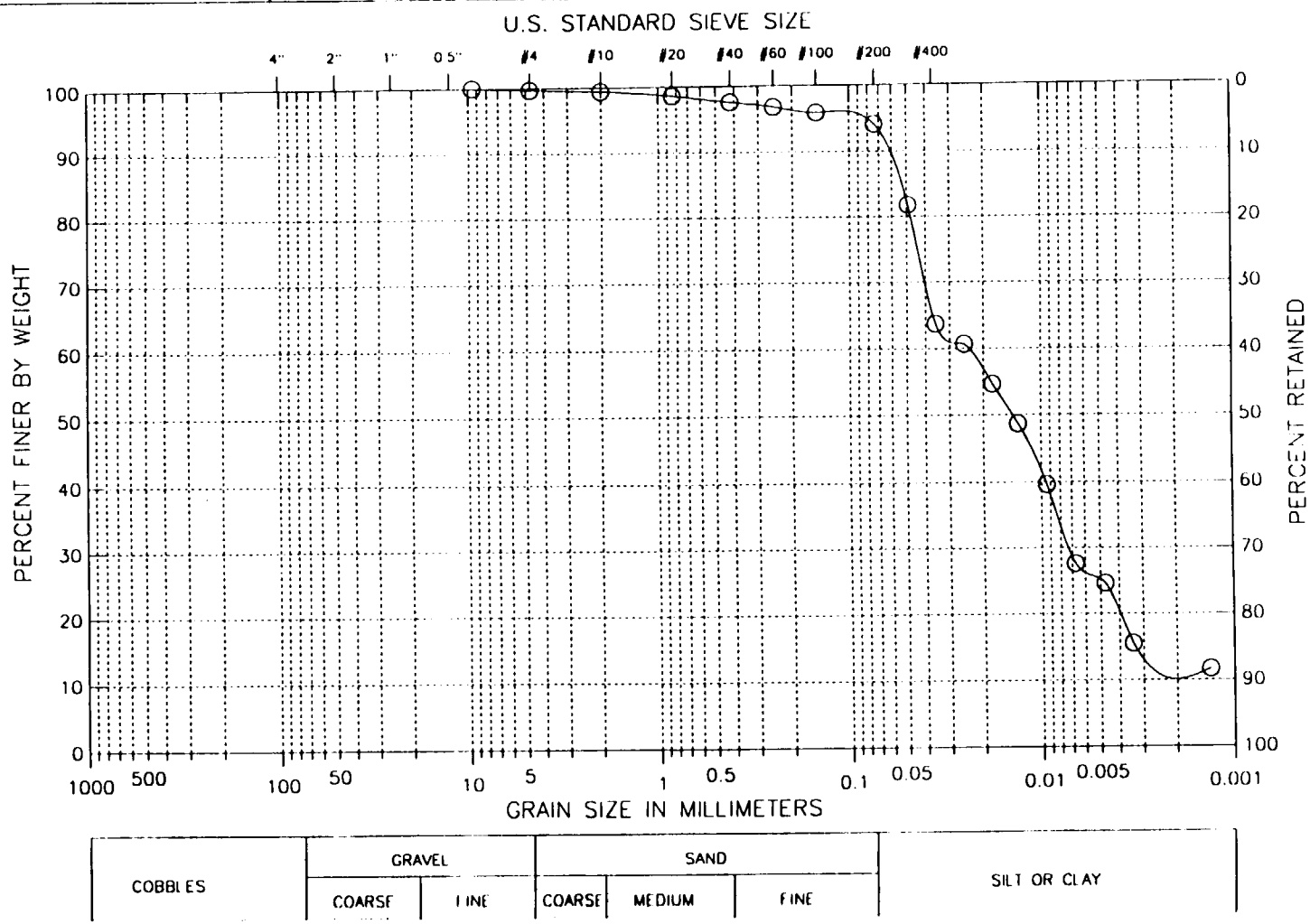
Total Dry Weight of Sample = 155.24

D85 : 0.1422 mm
D60 : 0.0590 mm
D50 : 0.0474 mm
D30 : 0.0205 mm
D15 : 0.0078 mm
D10 : 0.0052 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

APB-FP-2028-000.5-01

Boring No. : - Sample No: D00945 Test Method ASTM D 422 Filename : 945	Project : Tetra Tech NUS, Centerdale; N0191 Project No.: G1X-2607 Location: Centerdale, RI Date : Fri Dec 03 1999



Classification

Remarks

Visual Description :
Wet, very dark gray organic silt

Figure 24

APB-FP-2028-000.5-01

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; NC191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00945
Location : Centerdale, RI
Soil Description : Wet, very dark gray organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 945
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 16.53 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature deg. C	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	19.50	20.00	13.58	0.049	82	0.049
2.00	16.50	20.00	10.58	0.036	64	0.036
4.00	16.00	20.00	10.08	0.025	61	0.025
8.00	15.00	20.00	9.08	0.018	55	0.018
15.00	14.00	20.00	8.08	0.013	49	0.013
30.00	12.50	20.00	6.58	0.009	40	0.009
60.00	10.50	20.00	4.58	0.007	28	0.007
122.00	10.00	20.00	4.08	0.005	25	0.005
240.00	8.50	20.00	2.58	0.003	16	0.003
1545.00	7.50	20.50	1.94	0.001	12	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.05	0.05	100
#10	0.079	2.00	0.05	0.10	99
#20	0.033	0.84	0.13	0.23	99
#40	0.017	0.42	0.17	0.40	98
#60	0.010	0.25	0.13	0.53	97
#100	0.006	0.15	0.15	0.68	96
#200	0.003	0.07	0.30	0.98	94
Pan			15.65	16.63	0

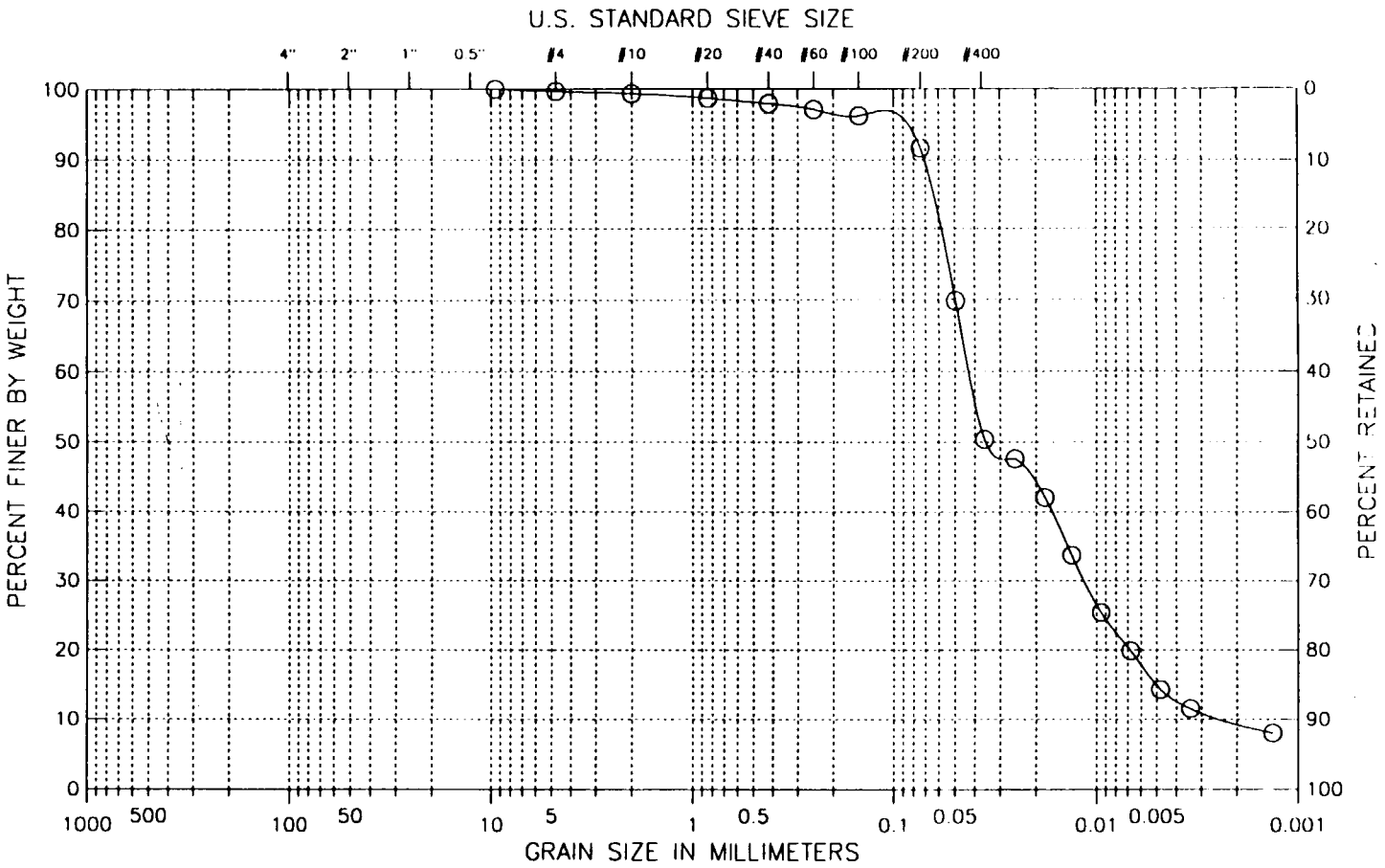
Total Dry Weight of Sample = 139.49

D85 : 0.0549 mm
D60 : 0.0243 mm
D50 : 0.0141 mm
D30 : 0.0072 mm
D15 : 0.0030 mm
D10 : 0.0009 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

Sample No.: D00939 | Project No.: GTX-2607
Test Method ASTM D 422 | Location: Centerdale, RI
Filename : 939 | Date : Fri Dec 03 1999

APB-FP-2031-01



Classification :

Remarks :

Visual Description :
Wet, black organic silt

Figure 21

APB-FP-2031-01

Fri Dec 03 14:50:23 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : 220933
Location : Centerdale, RI
Soil Description : Wet, black organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 939
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 67130
Weight of air-dried soil = 17.93 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature deg. C	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	18.50	20.00	12.58	0.050	70	0.050
2.00	15.00	20.00	9.08	0.036	50	0.036
4.00	14.50	20.00	8.58	0.025	48	0.025
8.00	13.50	20.00	7.58	0.018	42	0.018
15.00	12.00	20.00	6.08	0.013	34	0.013
30.00	10.50	20.00	4.58	0.010	25	0.010
60.00	9.50	20.00	3.58	0.007	20	0.007
120.00	8.50	20.00	2.58	0.005	14	0.005
240.00	8.00	20.00	2.08	0.003	12	0.003
1563.00	7.00	20.50	1.44	0.001	8	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.06	0.06	100
#10	0.079	2.00	0.06	0.12	99
#20	0.033	0.84	0.12	0.24	99
#40	0.017	0.42	0.14	0.38	98
#60	0.010	0.25	0.15	0.53	97
#100	0.006	0.15	0.16	0.69	96
#200	0.003	0.07	0.81	1.50	92
Pan			16.55	18.05	0

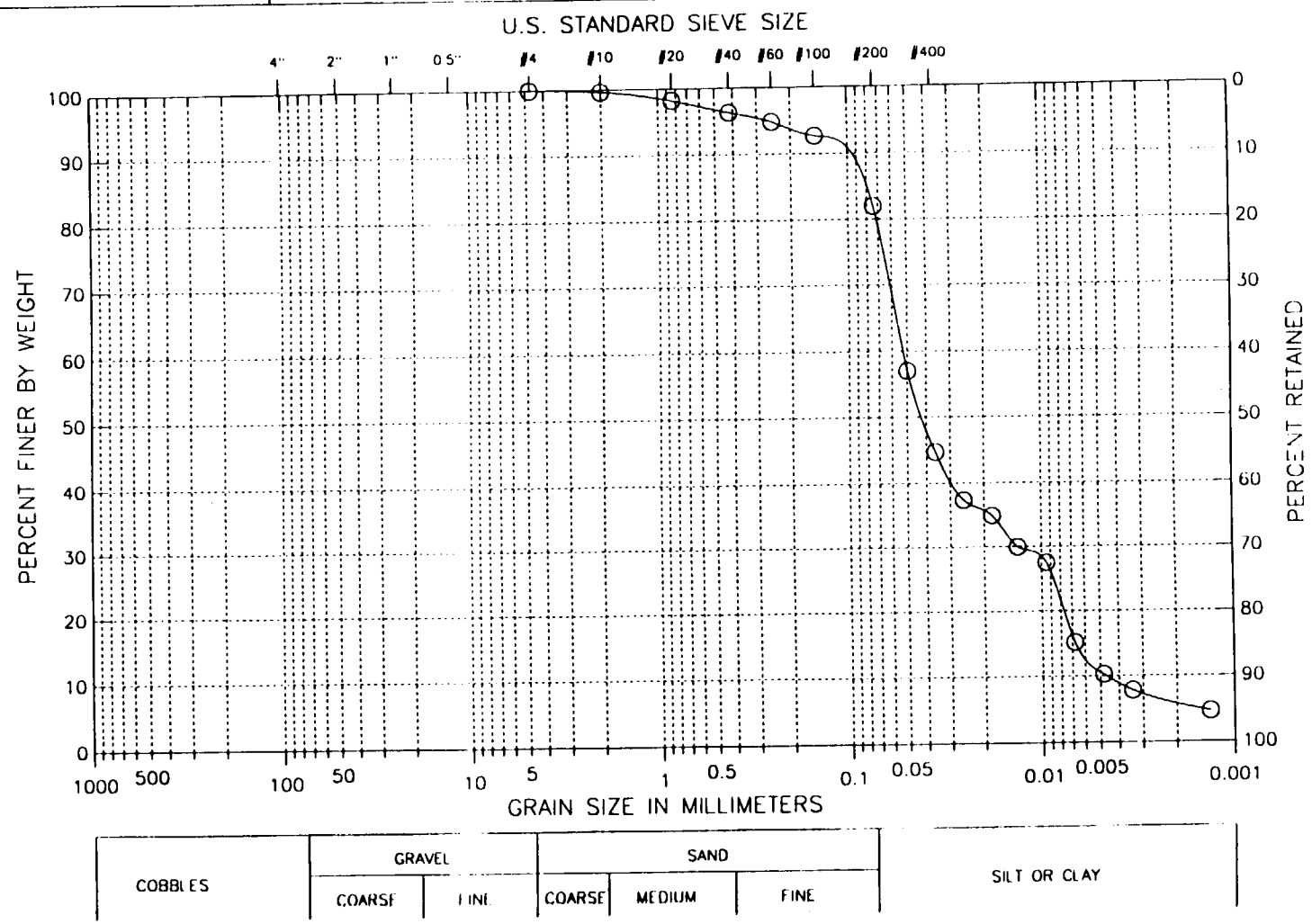
Total Dry Weight of Sample = 136.5

D85 : 0.0655 mm
D60 : 0.0422 mm
D50 : 0.0343 mm
D30 : 0.0115 mm
D15 : 0.0050 mm
D10 : 0.0023 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

APB-FP-2032-01

	Boring No. : - Sample No.: D00940 Test Method ASTM D 422 Filename : 940	Project : Tetra Tech NUS; Centerdale; N0191 Project No.: GTX-2607 Location: Centerdale, RI Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, very dark brown sandy organic silt

Figure 22

APB--FP-2032-01

Fri Dec 03 14:50:23 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : 000940
Location : Centerdale, RI
Soil Description : Wet, very dark brown sandy organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 940
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 20.26 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	17.50	20.00	11.58	0.050	57	0.050
2.00	15.00	20.00	9.08	0.036	45	0.036
4.00	13.50	20.00	7.58	0.026	37	0.026
8.00	13.00	20.00	7.08	0.018	35	0.018
15.00	12.00	20.00	6.08	0.013	30	0.013
30.00	11.50	20.00	5.58	0.009	27	0.009
60.00	9.00	20.00	3.08	0.007	15	0.007
121.00	8.00	20.00	2.08	0.005	10	0.005
242.00	7.50	20.00	1.58	0.003	8	0.003
1554.00	6.50	20.50	0.94	0.001	5	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.07	0.07	100
#20	0.033	0.84	0.29	0.36	98
#40	0.017	0.42	0.39	0.75	96
#60	0.010	0.25	0.30	1.05	95
#100	0.006	0.15	0.44	1.49	93
#200	0.003	0.07	2.17	3.66	82
Pan			16.67	20.33	0

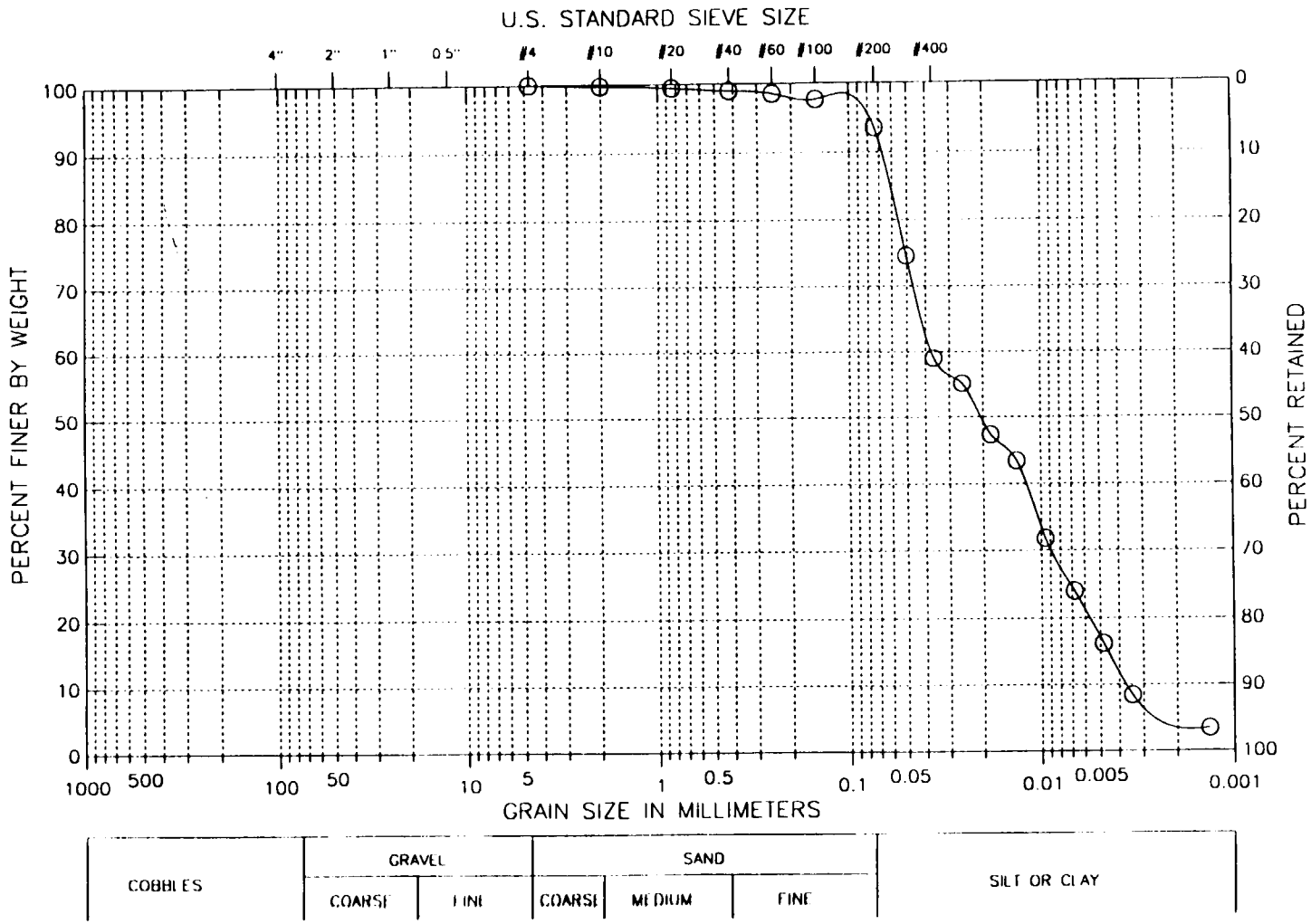
Total Dry Weight of Sample = 138.47

D85 : 0.0901 mm
D60 : 0.0524 mm
D50 : 0.0414 mm
D30 : 0.0134 mm
D15 : 0.0067 mm
D10 : 0.0046 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

APB-FP-2033-000.5-01

	Boring No. : - Sample No.: D00941 Test Method ASTM D 422 Filename : 941	Project : Tetra Tech NUS; Centerdale, N0191 Project No.: GTX-2607 Location: Centerdale, RI Date : Fri Dec 03 1999



Classification

Remarks

Visual Description :
Wet, very dark gray organic silt

Figure 23

APB-FP-2033-000.5-C.

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : 220941
Location : Centerdale, RI
Soil Description : Wet, very dark gray organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 941
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 12.83 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	15.50	20.00	9.58	0.051	75	0.051
2.00	13.50	20.00	7.58	0.036	59	0.036
4.00	13.00	20.00	7.08	0.026	55	0.026
8.00	12.00	20.00	6.08	0.018	47	0.018
15.00	11.50	20.00	5.58	0.013	43	0.013
30.00	10.00	20.00	4.08	0.010	32	0.010
60.00	9.00	20.00	3.08	0.007	24	0.007
120.00	8.00	20.00	2.08	0.005	16	0.005
240.00	7.00	20.00	1.08	0.003	8	0.003
1536.00	6.00	20.50	0.44	0.001	3	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.03	0.03	100
#20	0.033	0.84	0.04	0.07	99
#40	0.017	0.42	0.06	0.13	99
#60	0.010	0.25	0.06	0.19	99
#100	0.006	0.15	0.11	0.30	98
#200	0.003	0.07	0.53	0.83	94
Pan			12.03	12.86	0

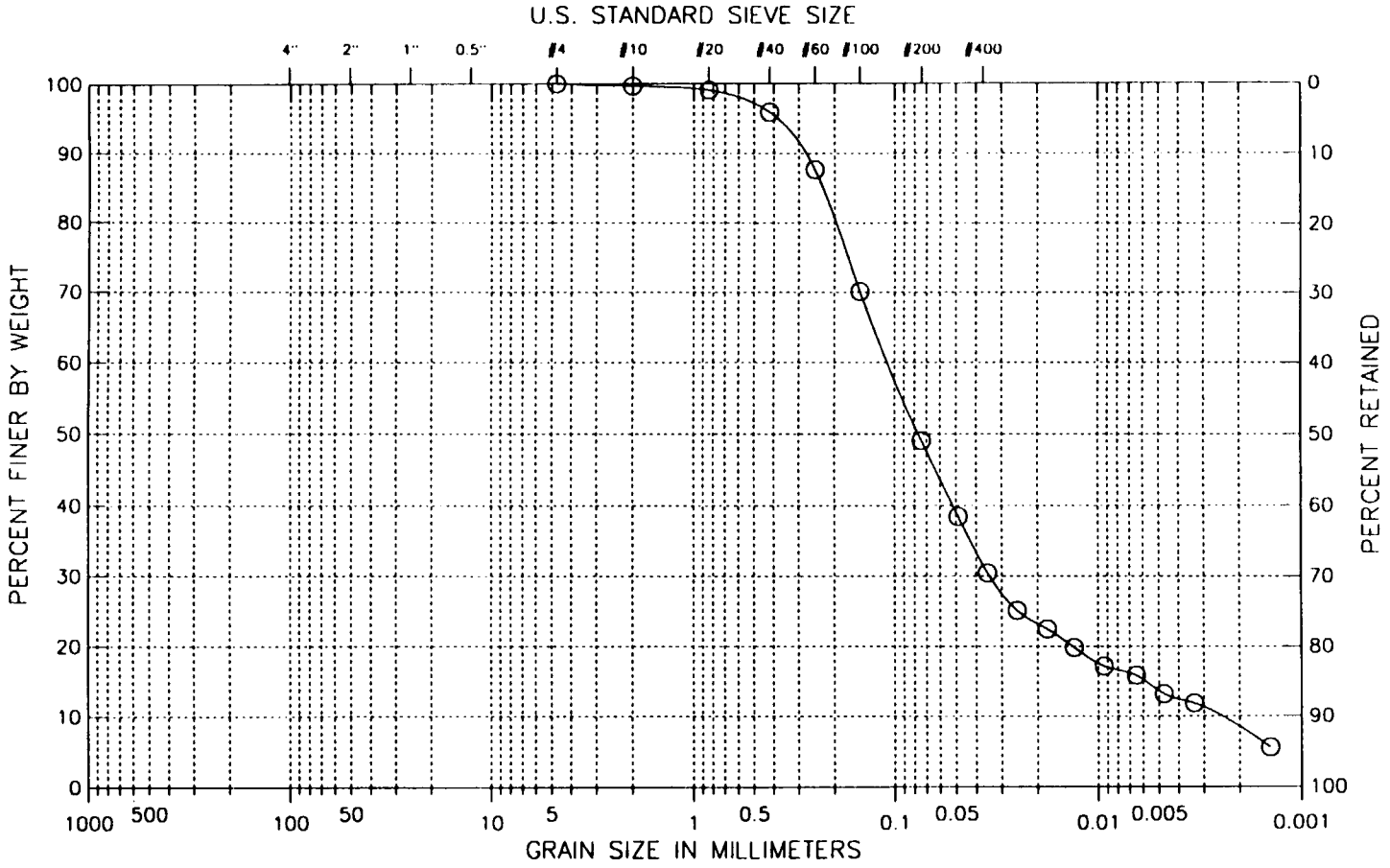
Total Dry Weight of Sample = 145.88

D85 : 0.0623 mm
D60 : 0.0370 mm
D50 : 0.0205 mm
D30 : 0.0088 mm
D15 : 0.0046 mm
D10 : 0.0037 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

RCC-SD-3001-01

Boring No. :	Project : Tetra Tech NUS; N0400
Sample No.: D01044	Project No.: GIX 2652
Test Method ASTM D 422	Location: - -
Filename : 01044	Date : Thu Dec 16 1999



Classification :

Remarks :

Visual Description :
Moist, black sandy organic silt

Figure 12

GeoTesting Express • Boxborough, MA • (978) 635-0424 • Fax (978) 635-0266

RCC-SD-3001-01

Thu Dec 16 12:47:22 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; NJ400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01244
Location : ---
Soil Description : Moist, Black sandy organic silt
Remarks : ---

Depth : ---
Test Date : 12/08/99
Test Method : ASTM D 422

Filename : 01044
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT

HYDROMETER

Hydrometer ID : 37130
Weight of air-dried soil = 37.49 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	20.00	20.50	14.44	0.049	38	0.049
2.00	17.00	20.50	11.44	0.035	30	0.035
4.00	15.00	20.50	9.44	0.025	25	0.025
8.00	14.00	20.50	8.44	0.018	22	0.018
15.00	13.00	20.50	7.44	0.013	20	0.013
30.00	12.00	20.50	6.44	0.009	17	0.009
63.00	11.50	20.50	5.94	0.006	16	0.006
120.00	10.50	20.50	4.94	0.005	13	0.005
240.00	10.00	20.50	4.44	0.003	12	0.003
1387.00	8.00	20.00	2.08	0.001	6	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.13	0.13	100
#20	0.033	0.84	0.23	0.36	99
#40	0.017	0.42	1.20	1.56	96
#60	0.010	0.25	3.08	4.64	88
#100	0.006	0.15	6.60	11.24	70
#200	0.003	0.07	7.93	19.17	49
Pan			18.45	37.62	0

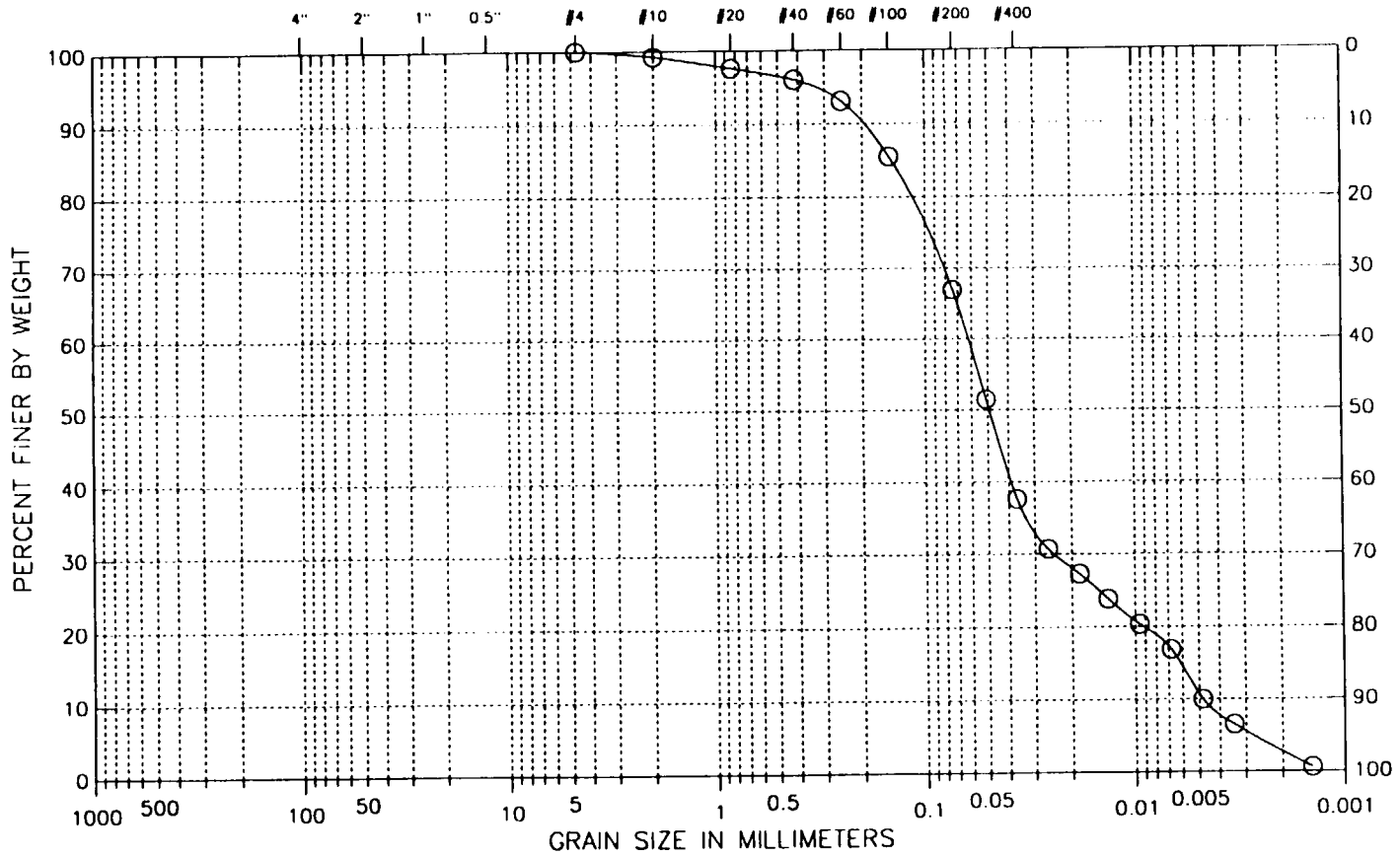
Total Dry Weight of Sample = 154.9

D85 : 0.2311 mm
D60 : 0.1065 mm
D50 : 0.0764 mm
D30 : 0.0343 mm
D15 : 0.0059 mm
D10 : 0.0026 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

	Boring No. : --- Sample No: D01038 Test Method ASTM D 422 Filename : 01038	Project : Tetra Tech NUS; N0400 Project No : GTX 2652 Location: --- Date : Thu Dec 16 1999

U.S. STANDARD SIEVE SIZE



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification :

Remarks :

Visual Description :
Wet, black sandy organic silt

Figure 8

RCC-SD-3002-01

Thu Dec 16 12:47:22 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; NC400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01038
Location : ---
Soil Description : Wet, black sandy organic silt
Remarks : ---

Depth : ---
Test Date : 12/08/99
Test Method : ASTM D 422

Filename : 01038
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 14.37 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	13.00	20.50	7.44	0.051	51	0.051
2.00	11.00	20.50	5.44	0.036	38	0.036
4.00	10.00	20.50	4.44	0.026	31	0.026
8.00	9.50	20.50	3.94	0.018	27	0.018
15.00	9.00	20.50	3.44	0.013	24	0.013
30.00	8.50	20.50	2.94	0.010	20	0.010
60.00	8.00	20.50	2.44	0.007	17	0.007
120.00	7.00	20.50	1.44	0.005	10	0.005
240.00	6.50	20.50	0.94	0.003	7	0.003
1379.00	6.00	20.00	0.08	0.001	1	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.11	0.11	99
#20	0.033	0.84	0.24	0.35	98
#40	0.017	0.42	0.23	0.58	96
#60	0.010	0.25	0.42	1.00	93
#100	0.006	0.15	1.09	2.09	86
#200	0.003	0.07	2.70	4.79	67
Pan			9.69	14.48	0

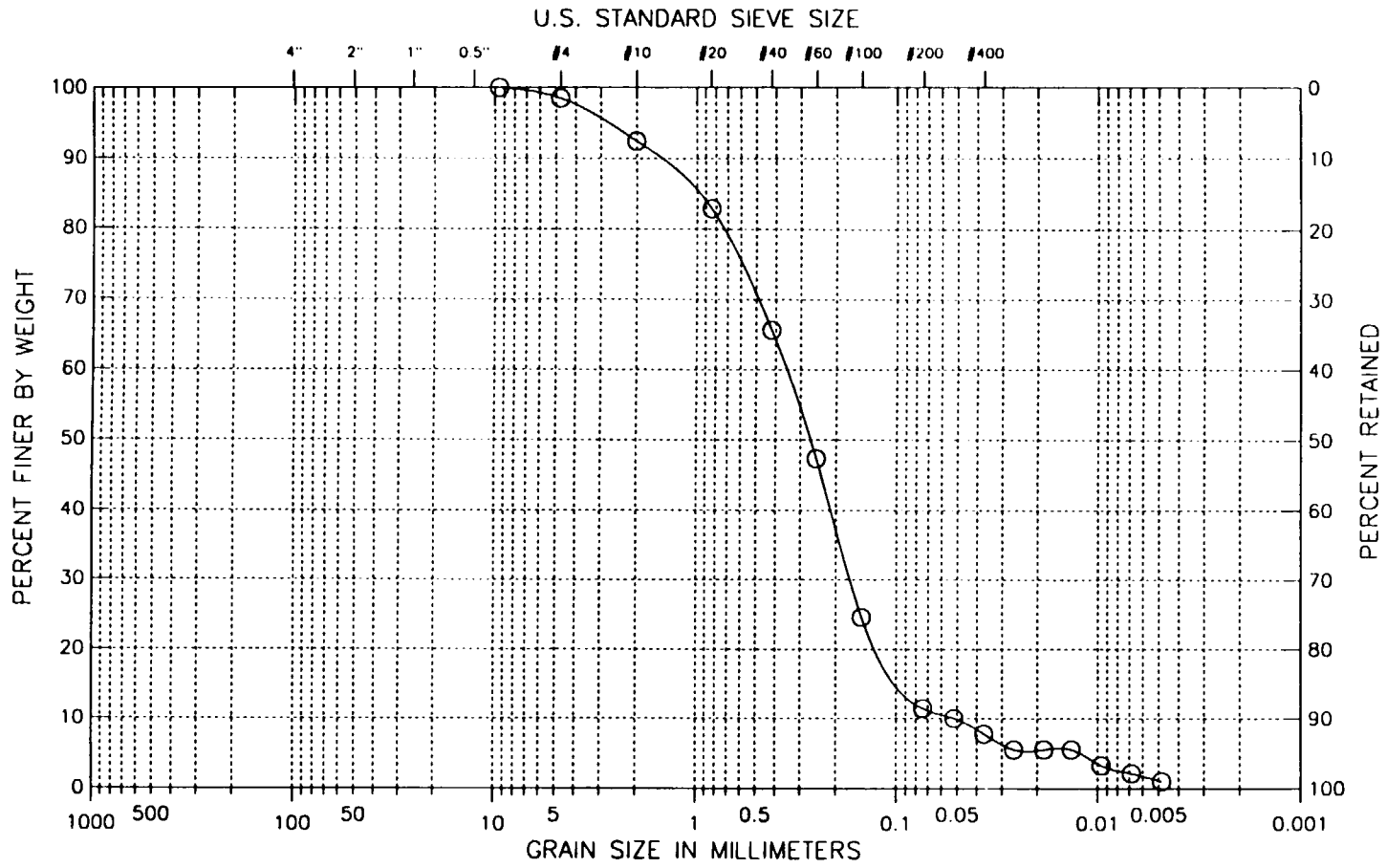
Total Dry Weight of Sample = 121.96

D85 : 0.1459 mm
D60 : 0.0627 mm
D50 : 0.0493 mm
D30 : 0.0242 mm
D15 : 0.0062 mm
D10 : 0.0048 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

RCC - SD - 3003 - 01

Boring No. :	Project : Tetra Tech NUS; N0400
Sample No. D01042	Project No. : GTX 2652
Test Method ASTM D 422	Location: -
Filename : 01042	Date : Thu Dec 16 1999



Classification :

Remarks :

Visual Description :
Wet, black silty sand with organics

Figure 10

RCC-SD-3003-01

Thu Dec 16 12:47:22 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; N0400
Project No. : GTX-2832
Boring No. : ---
Sample No. : D01042
Location : ---
Soil Description : Wet, black silty sand with organics
Remarks : ---

Depth : ---
Test Date : 12/08/99
Test Method : ASTM D 422

Filename : 01042
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 41.14 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	10.00	20.50	4.44	0.052	10	0.052
2.00	9.00	20.50	3.44	0.037	8	0.037
4.00	8.00	20.50	2.44	0.026	5	0.026
8.00	8.00	20.50	2.44	0.019	5	0.019
15.00	8.00	20.50	2.44	0.014	5	0.014
30.00	7.00	20.50	1.44	0.010	3	0.010
60.00	6.50	20.50	0.94	0.007	2	0.007
120.00	6.00	20.50	0.44	0.005	1	0.005

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.68	0.68	98
#10	0.079	2.00	2.69	3.37	92
#20	0.033	0.84	4.23	7.60	83
#40	0.017	0.42	7.70	15.30	66
#60	0.010	0.25	8.14	23.44	47
#100	0.006	0.15	10.13	33.57	25
#200	0.003	0.07	5.85	39.42	11
Pan			5.09	44.51	0

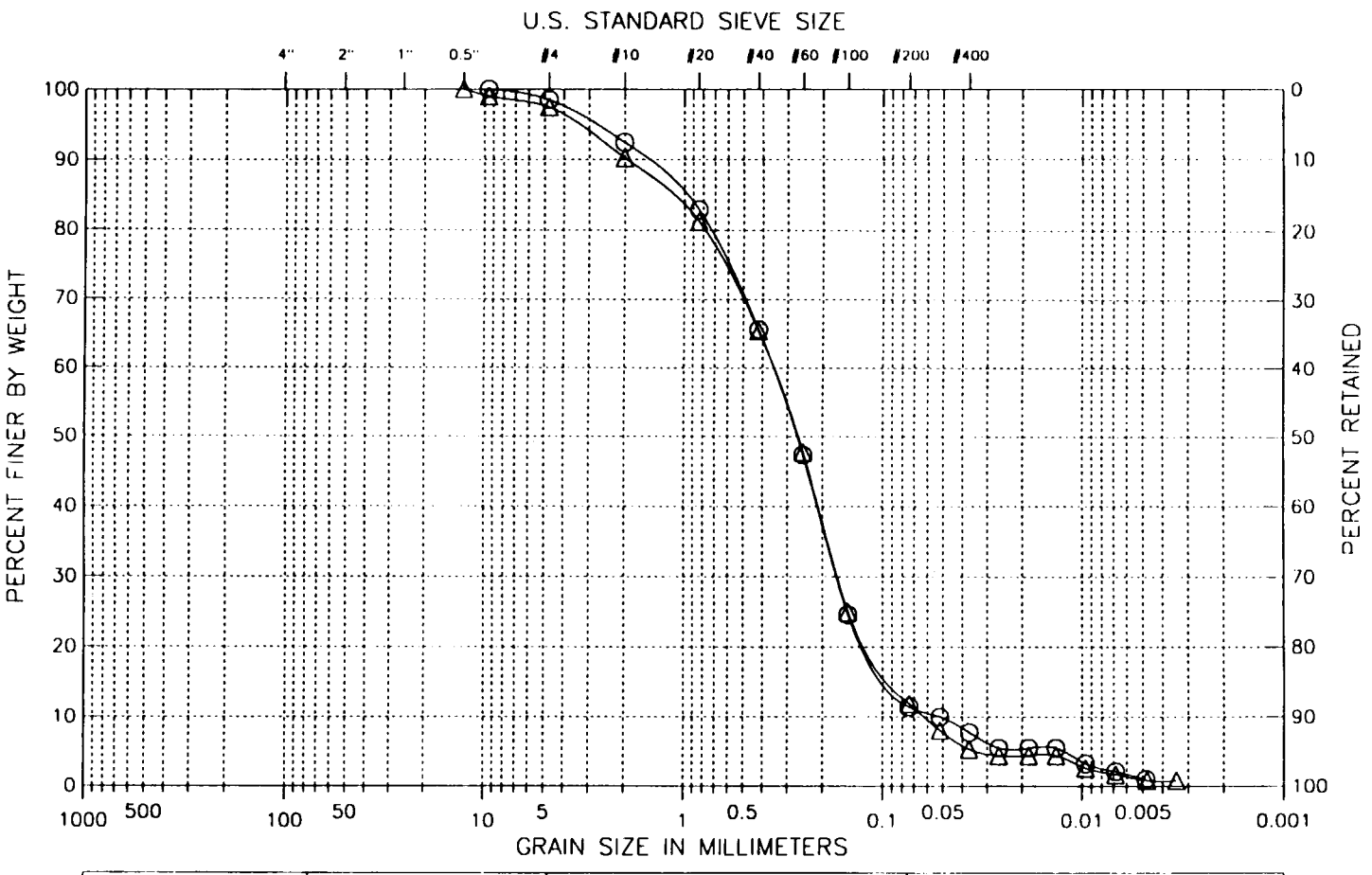
Total Dry Weight of Sample = 164.78

D85 : 1.0161 mm
D60 : 0.3580 mm
D50 : 0.2696 mm
D30 : 0.1685 mm
D15 : 0.0895 mm
D10 : 0.0520 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

RCC-SD-3003-01

Project : Tetra Tech NUS; N0400
Project No.: GTX 2632
Location:
Date : Thu Dec 16 1999



Symbol	Boring No.	Sample No	Depth	Filename	Classification / Description
⊖	- - -	D01042	- -	01042	Wet, black silty sand with organics
△		D01042 DUP		01042DUP	Wet, black silty sand with organics

Figure 1

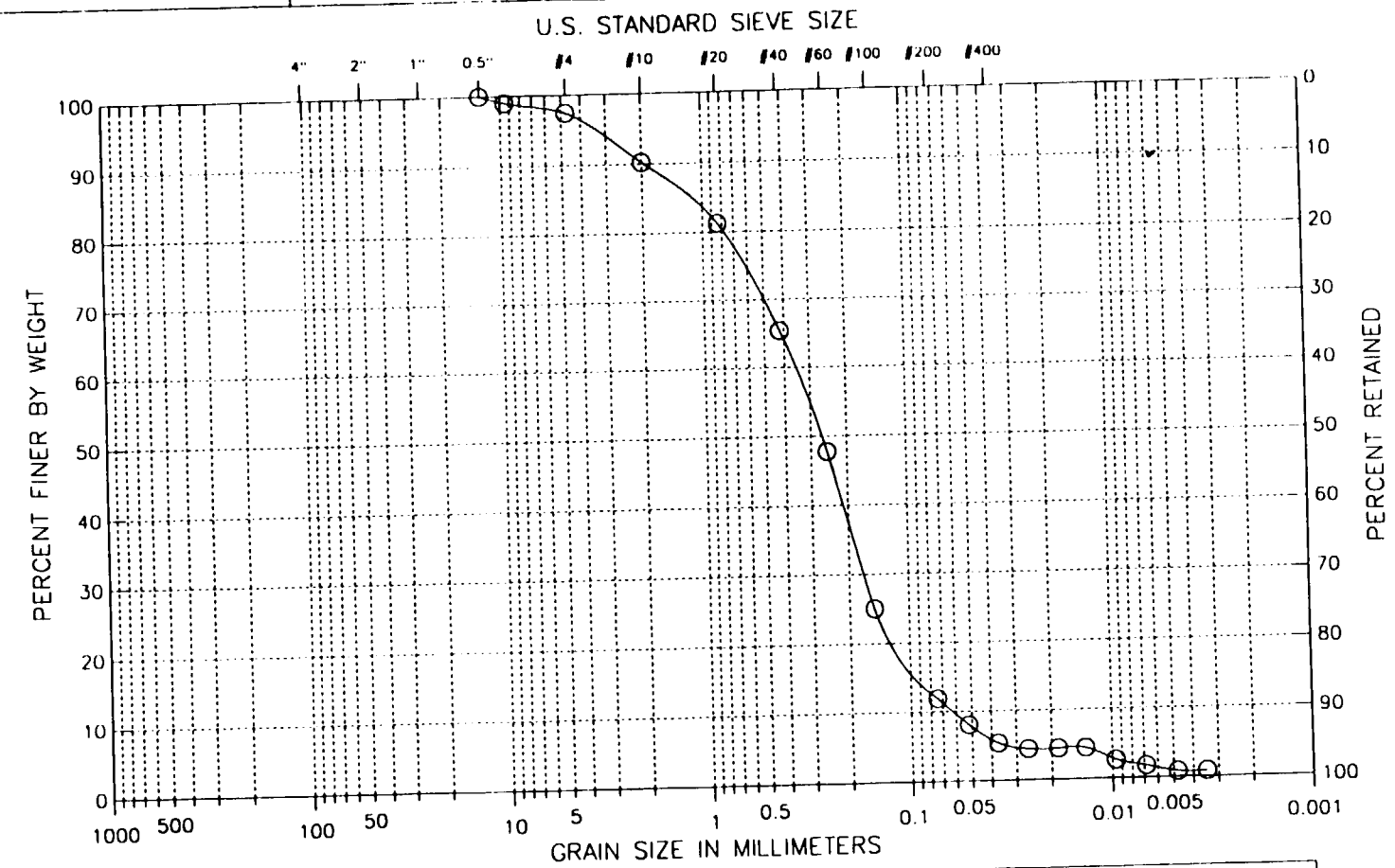
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03

RCC - SD - 3003 - 01

Boring No. :
Sample No.: D01042 DUP
Test Method ASTM D 422
Filename : 01042DUP

Project : Tetra Tech NUS; N0400
Project No.: GTX 2632
Location: ---
Date : Thu Dec 16 1999



Classification :

Visual Description :
Wet, black silty sand with organics

Remarks :
Duplicate Analysis

Figure 11

RCC-SD-3003-01

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; N0400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01042 DUP
Location : ---
Depth : ---
Test Date : 12/08/99
Test Method : ASTM D 422
Filename : D1042DUP
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT
Soil Description : Wet, black silty sand with organics
Remarks : **Duplicate Analysis**

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 50.03 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	10.00	20.50	4.44	0.052	8	0.052
2.00	8.50	20.50	2.94	0.037	5	0.037
4.00	8.00	20.50	2.44	0.026	4	0.026
8.00	8.00	20.50	2.44	0.019	4	0.019
15.00	8.00	20.50	2.44	0.014	4	0.014
30.00	7.00	20.50	1.44	0.010	3	0.010
60.00	6.50	20.50	0.94	0.007	2	0.007
123.00	6.00	20.50	0.44	0.005	1	0.005
240.00	6.00	20.50	0.44	0.003	1	0.003

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.5"	0.500	12.70	0.00	0.00	100
0.375"	0.374	9.51	0.55	0.55	99
#4	0.187	4.75	0.87	1.42	97
#10	0.079	2.00	3.99	5.41	90
#20	0.033	0.84	4.97	10.38	81
#40	0.017	0.42	8.81	19.19	65
#60	0.010	0.25	9.78	28.97	48
#100	0.006	0.15	12.62	41.59	25
#200	0.003	0.07	7.26	48.85	12
Pan			6.60	55.45	0

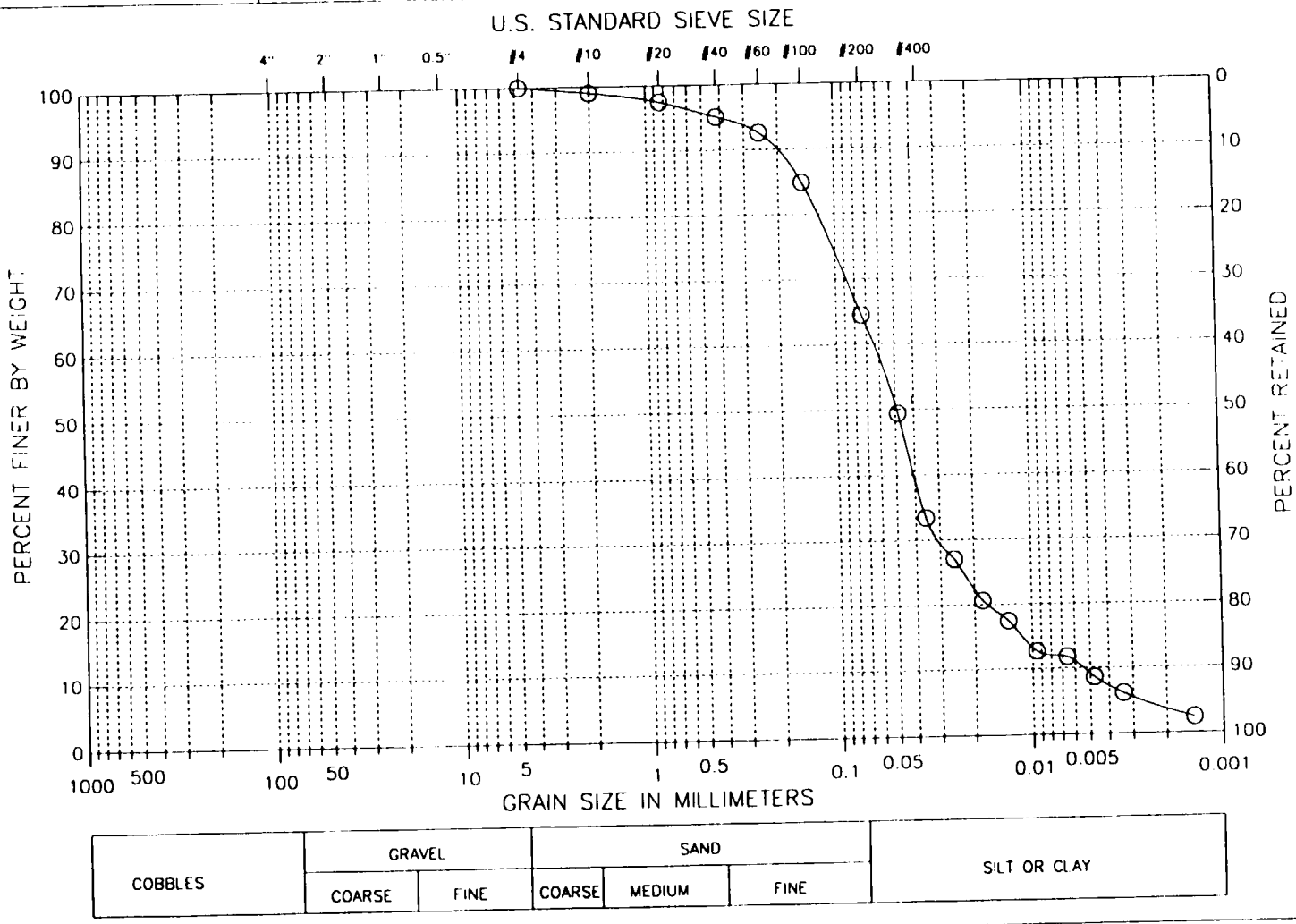
Total Dry Weight of Sample = 162.85

D85 : 1.2048 mm
D60 : 0.3584 mm
D50 : 0.2671 mm
D30 : 0.1670 mm
D15 : 0.0873 mm
D10 : 0.0622 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

RAB-SD-3004-01

Boring No	Project : Tetra Tech NUS, N0400
Sample No. D01049	Project No : GIX 2632
Test Method ASTM D 422	Location:
Filename : 01049	Date : Thu Dec 16 1999



Classification :

Remarks :

Visual Description :
Wet, very dark grayish brown sandy organic silt

Figure 14

RAB-SD-3004-01

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; N0400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01049
Location : ---
Soil Description : Wet, very dark grayish brown sandy organic silt
Remarks : ---

Depth : ---
Test Date : 12/08/99
Test Method : ASTM D 422

Filename : 01049
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT

HYDROMETER

Hydrometer ID : 583901
Weight of air-dried soil = 31.03 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	22.00	20.00	15.46	0.049	49	0.049
2.00	17.00	20.00	10.46	0.035	33	0.035
4.00	15.00	20.00	8.46	0.025	27	0.025
8.00	13.00	20.00	6.46	0.018	21	0.018
15.00	12.00	20.00	5.46	0.013	17	0.013
30.00	10.50	20.00	3.96	0.010	13	0.010
62.00	10.00	20.50	3.68	0.007	12	0.007
120.00	9.00	20.50	2.68	0.005	9	0.005
240.00	8.00	21.00	1.90	0.003	6	0.003
1380.00	7.50	19.50	0.74	0.001	2	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.31	0.31	99
#20	0.033	0.84	0.49	0.80	97
#40	0.017	0.42	0.75	1.55	95
#60	0.010	0.25	0.78	2.33	93
#100	0.006	0.15	2.41	4.74	85
#200	0.003	0.07	6.40	11.14	64
Pan			20.20	31.34	0

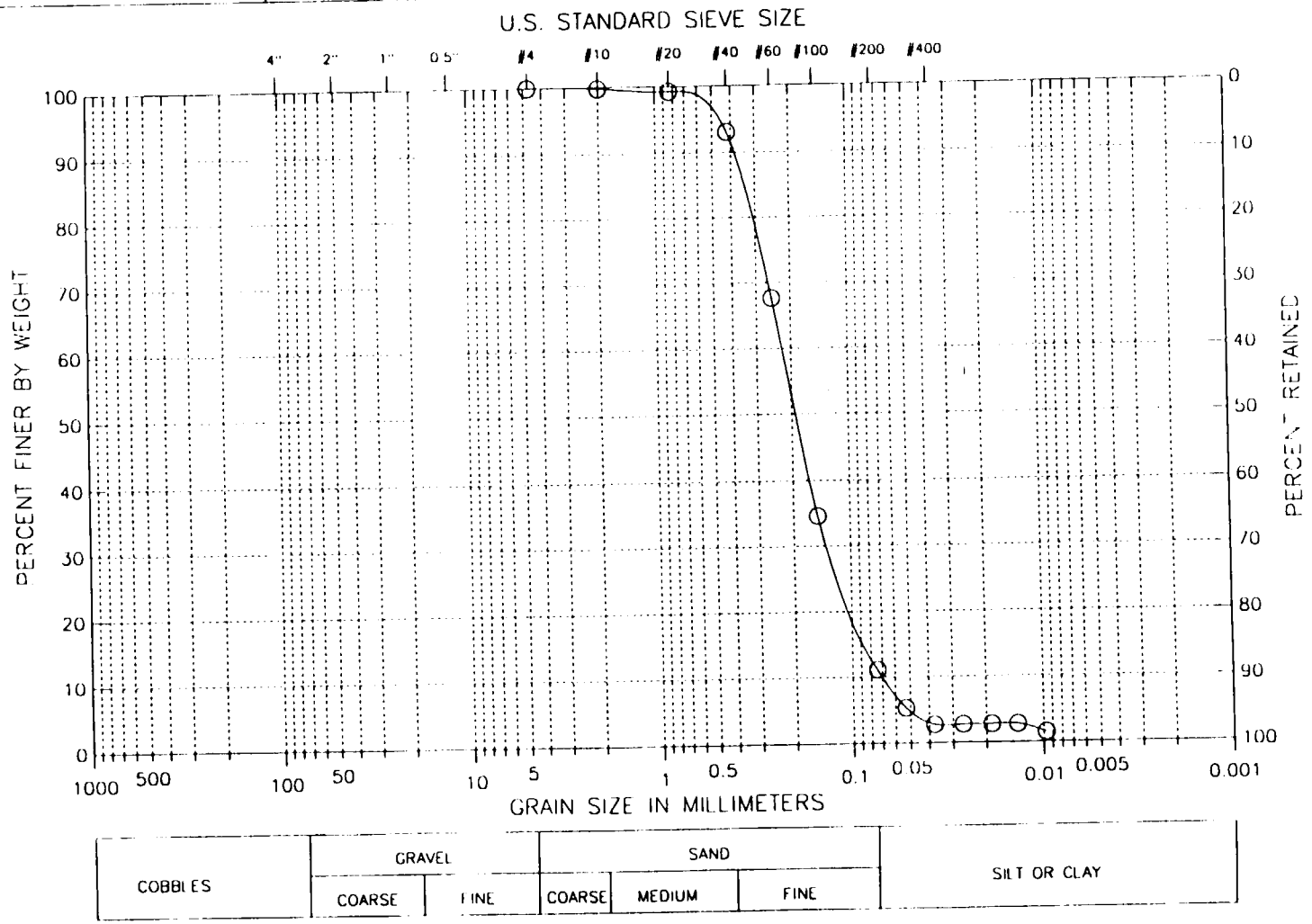
Total Dry Weight of Sample = 151.31

D85 : 0.1503 mm
D60 : 0.0654 mm
D50 : 0.0494 mm
D30 : 0.0296 mm
D15 : 0.0112 mm
D10 : 0.0055 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

WRC-SD-2009-01

Boring No. : ---	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00959	Project No.: GTX 2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 959	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Moist, very dark gray sand with silt

Figure

WRC-SD-2009-01

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191 Filename : 359
Project No. : GTX-2607 Depth : --- Elevation : ---
Boring No. : --- Test Date : 11/17/99 Tested by : NJH/MED
Sample No. : D00959 Test Method : ASTM D 422 Checked by : GTT
Location : Centerdale, RI
Soil Description : Moist, very dark gray sand with silt
Remarks : ---

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 39.58 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	8.00	20.00	2.08	0.053	5	0.053
2.00	7.00	20.00	1.08	0.038	3	0.038
4.00	7.00	20.00	1.08	0.027	3	0.027
8.00	7.00	20.00	1.08	0.019	3	0.019
15.00	7.00	20.00	1.08	0.014	3	0.014
30.00	6.50	20.00	0.58	0.010	1	0.010

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.08	0.08	100
#20	0.033	0.84	0.21	0.29	99
#40	0.017	0.42	2.45	2.74	93
#60	0.010	0.25	10.09	12.83	68
#100	0.006	0.15	13.12	25.95	35
#200	0.003	0.07	9.32	35.27	11
Pan			4.39	39.66	0

Total Dry Weight of Sample = 156.45

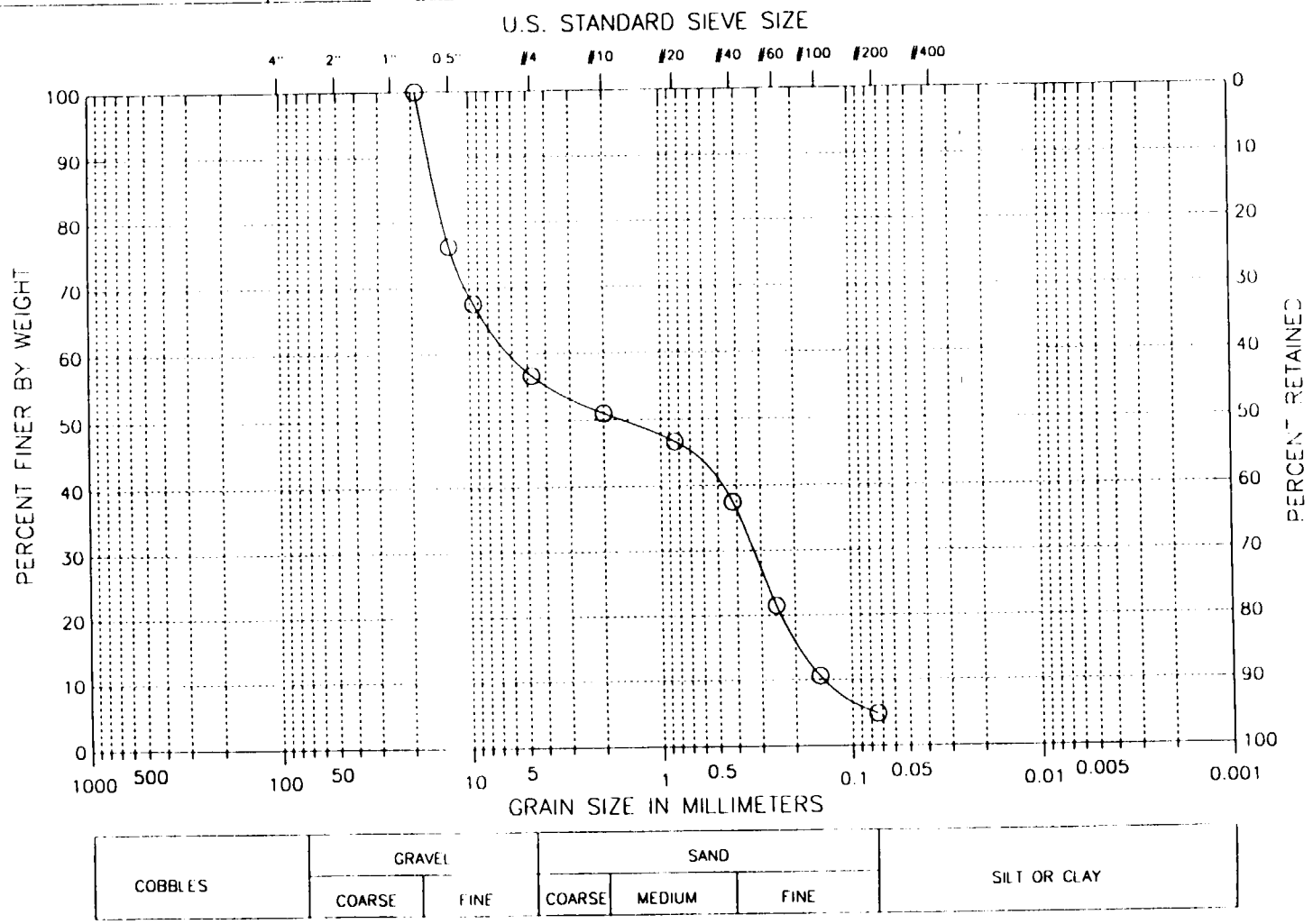
D85 : 0.3561 mm
D60 : 0.2218 mm
D50 : 0.1897 mm
D30 : 0.1300 mm
D15 : 0.0832 mm
D10 : 0.0696 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

WRC - SD - 2010 - 01

Boring No. :
Sample No.: D00966
Test Method ASTM D 422
Filename : 966

Project : Tetra Tech NUS; Centerdale; N0191
Project No.: GTX-2607
Location: Centerdale, RI
Date : Fri Dec 03 1999



Classification :
(SP) Poorly graded sand with gravel
Visual Description :
Moist, very dark gray sand with gravel, organics

Remarks :
Hydrometer not required, fines < 10%

Figure

WRC-SD-~~2100~~ 2010-01

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00966
Location : Centerdale, RI
Soil Description : Moist, very dark gray sand with gravel, organics
Remarks : Hydrometer not required, fines < 10%

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 966
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.75"	0.748	19.00	0.00	0.00	100
0.5"	0.500	12.70	12.90	12.90	76
0.375"	0.374	9.51	4.74	17.64	68
#4	0.187	4.75	5.89	23.53	57
#10	0.079	2.00	3.11	26.64	51
#20	0.033	0.84	2.35	28.99	47
#40	0.017	0.42	4.99	33.98	37
#60	0.010	0.25	8.67	42.65	21
#100	0.006	0.15	5.94	48.59	11
#200	0.003	0.07	3.12	51.71	5
Pan			2.62	54.33	0

Total Dry Weight of Sample = 173.14

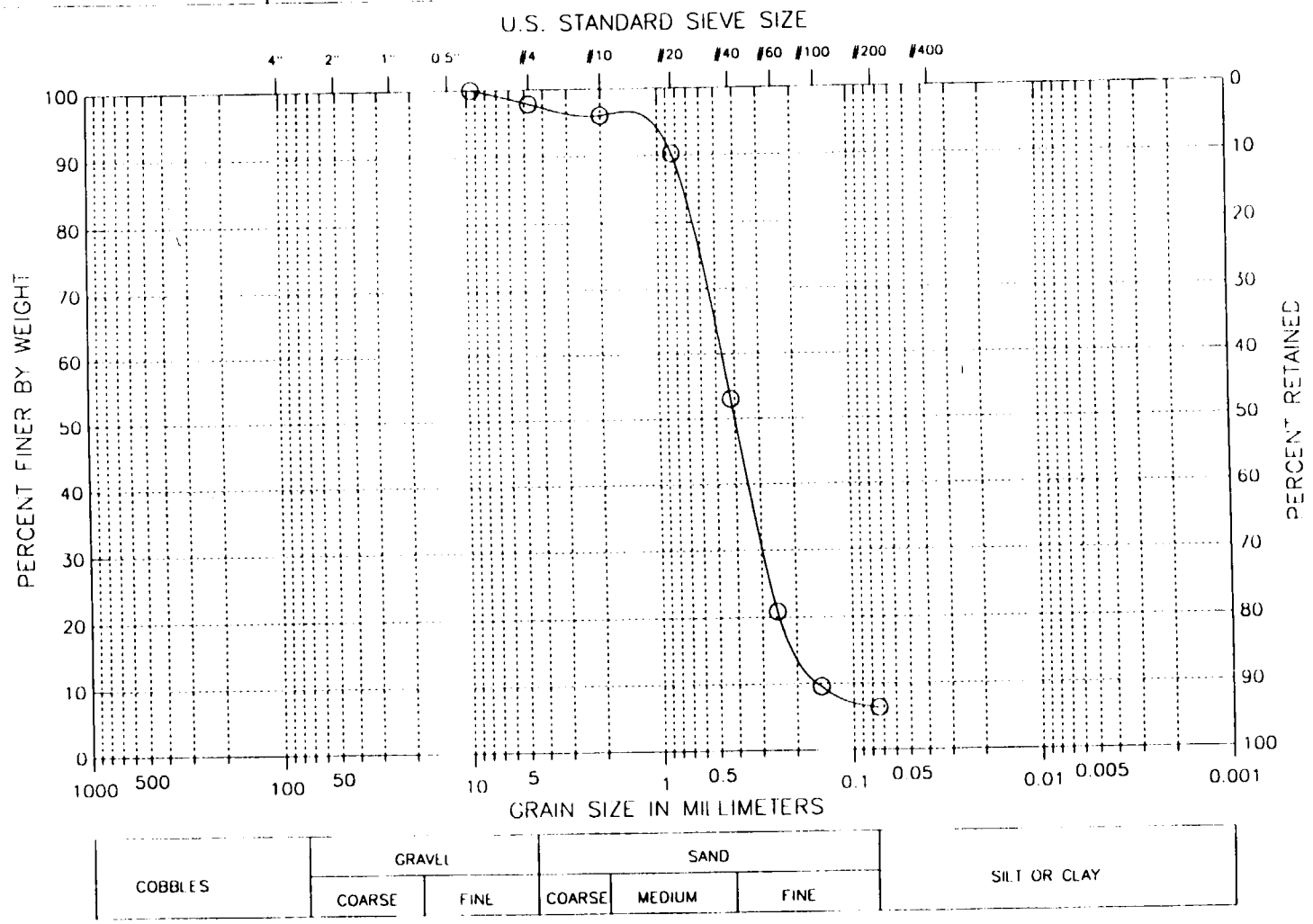
D85 : 14.7309 mm
D60 : 5.8712 mm
D50 : 1.6481 mm
D30 : 0.3296 mm
D15 : 0.1838 mm
D10 : 0.1391 mm

Soil Classification
ASTM Group Symbol : SP
ASTM Group Name : Poorly graded sand with gravel
AASHTO Group Symbol : A-1-b(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand

WRC-SD-2011-000.5-01

Boring No :
Sample No.: D00967
Test Method ASTM D 422
Filename : 967

Project : Tetra Tech NUS, Centerdale; N0191
Project No.: GTX 2607
Location: Centerdale, RI
Date : Fri Dec 03 1999



Classification :

Visual Description :
Moist, gray sand with some silt

Remarks :
Hydrometer not required, fines < 10%

Figure

WRC-SD-2011-0005-01

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; RI0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00967
Location : Centerdale, RI
Soil Description : Moist, gray sand with some silt
Remarks : Hydrometer not required, fines < 10%

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : D67
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.58	0.58	98
#10	0.079	2.00	0.49	1.07	96
#20	0.033	0.84	1.55	2.62	90
#40	0.017	0.42	10.02	12.64	53
#60	0.010	0.25	8.66	21.30	21
#100	0.006	0.15	3.04	24.34	10
#200	0.003	0.07	0.87	25.21	6
Pan			1.70	26.91	0

Total Dry Weight of Sample = 141.81

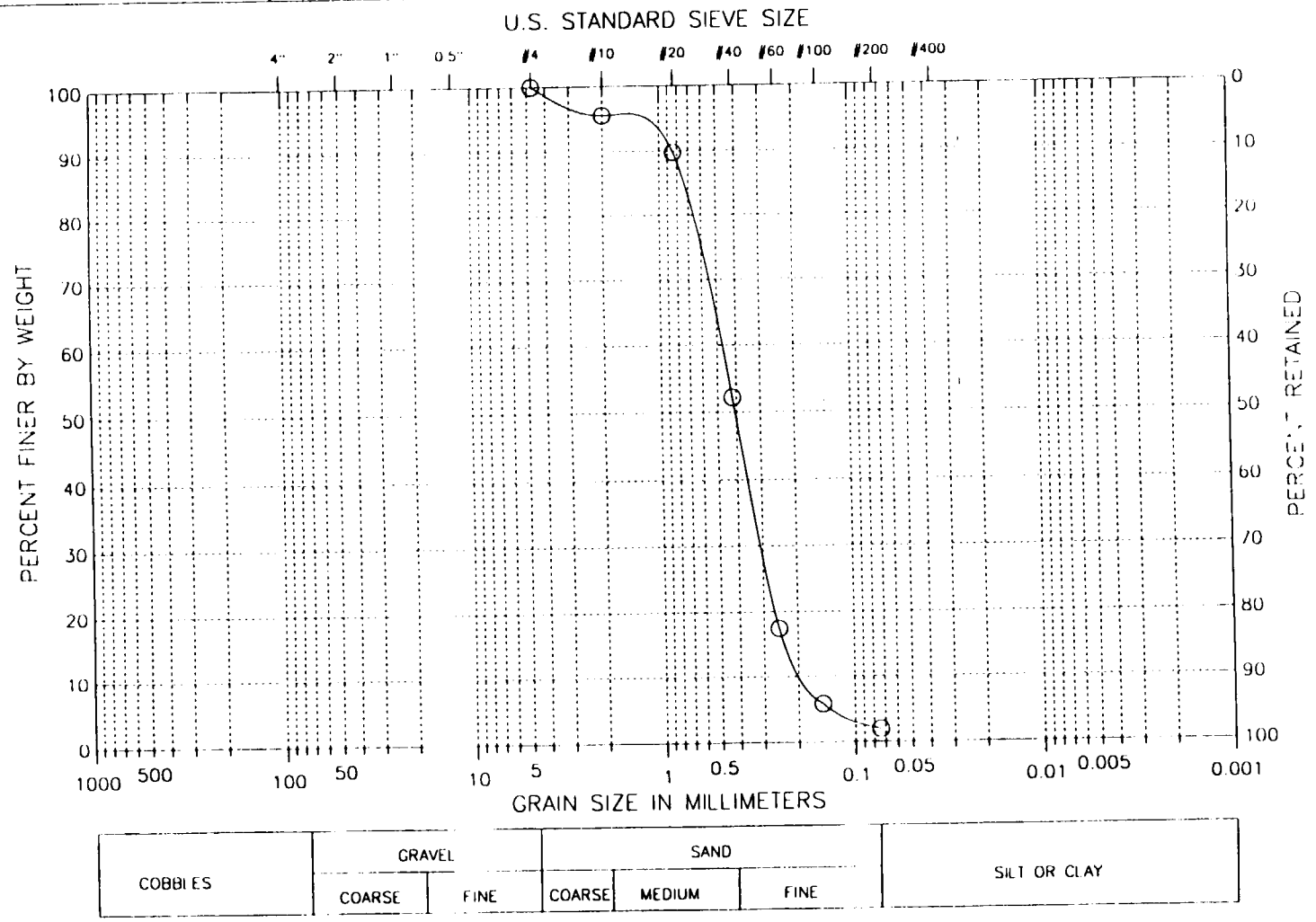
D85 : 0.7624 mm
D60 : 0.4783 mm
D50 : 0.4000 mm
D30 : 0.2897 mm
D15 : 0.1913 mm
D10 : 0.1521 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-3(0)
AASHTO Group Name : Fine Sand

WRC-SD-2011-000.5-01

Boring No :
Sample No: D00967 -- DUP
Test Method ASTM D 422
Filename : 967DUP

Project : Tetra Tech NUS; Centerdale; N0191
Project No.: GTX 2607
Location: Centerdale, RI
Date : Fri Dec 03 1999



Classification :
(SP) Poorly graded sand
Visual Description :
Moist, gray sand with some silt

Remarks :
DUPLICATE Hydrometer not required, fines < 10%

Figure 32

URC-SD-2011-000.5-01

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00967 - DUP
Location : Centerdale, RI
Soil Description : Moist, gray sand with some silt
Remarks : **DUPLICATE** Hydrometer not required, fines < 10%

Filename : 967DUP
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	1.65	1.65	96
#20	0.033	0.84	2.17	3.82	90
#40	0.017	0.42	14.09	17.91	52
#60	0.010	0.25	12.99	30.90	17
#100	0.006	0.15	4.38	35.28	6
#200	0.003	0.07	1.44	36.72	2
Pan			0.71	37.43	0

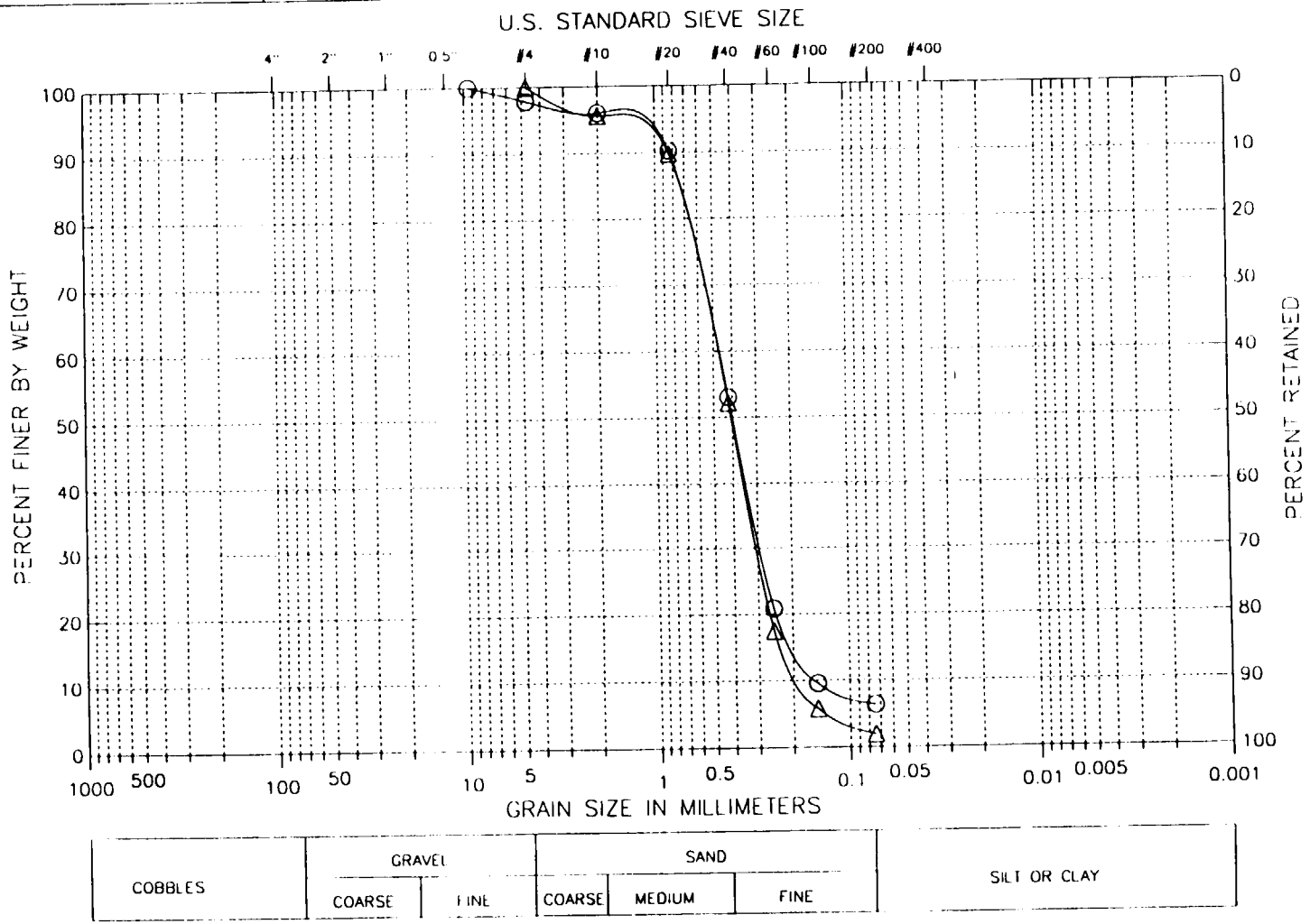
Total Dry Weight of Sample = 143.58

D95 : 0.7698 mm
D60 : 0.4854 mm
D50 : 0.4067 mm
D30 : 0.3016 mm
D15 : 0.2244 mm
D10 : 0.1799 mm

Soil Classification
ASTM Group Symbol : SP
ASTM Group Name : Poorly graded sand
AASHTO Group Symbol : A-3(0)
AASHTO Group Name : Fine Sand

WRC-SD-2011-000.5-01

Project : Tetra Tech NUS; Centerdale; N0191
Project No.: GIX-2607
Location: Centerdale, RI
Date : Fri Dec 03 1999

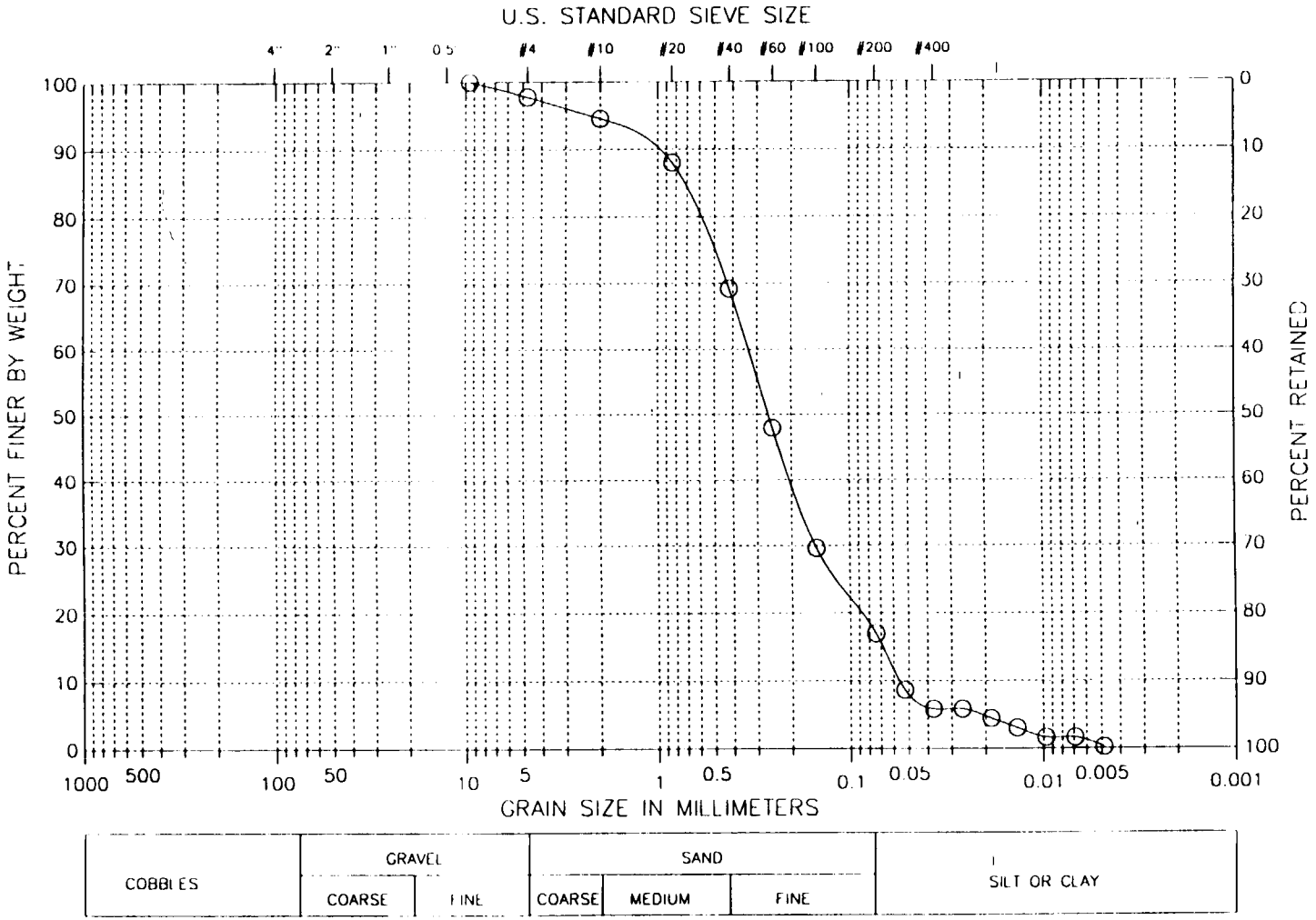


Symbol	Boring No.	Sample No.		Depth	Filename	Classification / Description
-⊖-	- - -	D00967		- -	967	Moist, gray sand with some silt
△	- - -	D00967	DUP		967DUP	SP Poorly graded sand

Figure 2

WRC-SD-2012-01

Boring No. : -	Project : Tetra Tech NUS; Centerdale; N0191
Sample No: D00969	Project No.: GTX-260/
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 969	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Moist, very dark gray silty sand with organics

Figure 33

WRC-SD-2012-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; NO191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00969
Location : Centerdale, RI
Soil Description : Moist, very dark gray silty sand with organics
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : D69
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 33.9 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	9.00	20.00	3.08	0.053	9	0.053
2.00	8.00	20.00	2.08	0.037	6	0.037
4.00	8.00	20.00	2.08	0.026	6	0.026
8.00	7.50	20.00	1.58	0.019	4	0.019
15.00	7.00	20.00	1.08	0.014	3	0.014
30.00	6.50	20.00	0.58	0.010	2	0.010
60.00	6.50	20.00	0.58	0.007	2	0.007
120.00	6.00	20.00	0.08	0.005	0	0.005

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.79	0.79	98
#10	0.079	2.00	1.15	1.94	95
#20	0.033	0.84	2.36	4.30	88
#40	0.017	0.42	6.75	11.05	69
#60	0.010	0.25	7.61	18.66	48
#100	0.006	0.15	6.57	25.23	30
#200	0.003	0.07	4.53	29.76	17
Pan			6.08	35.84	0

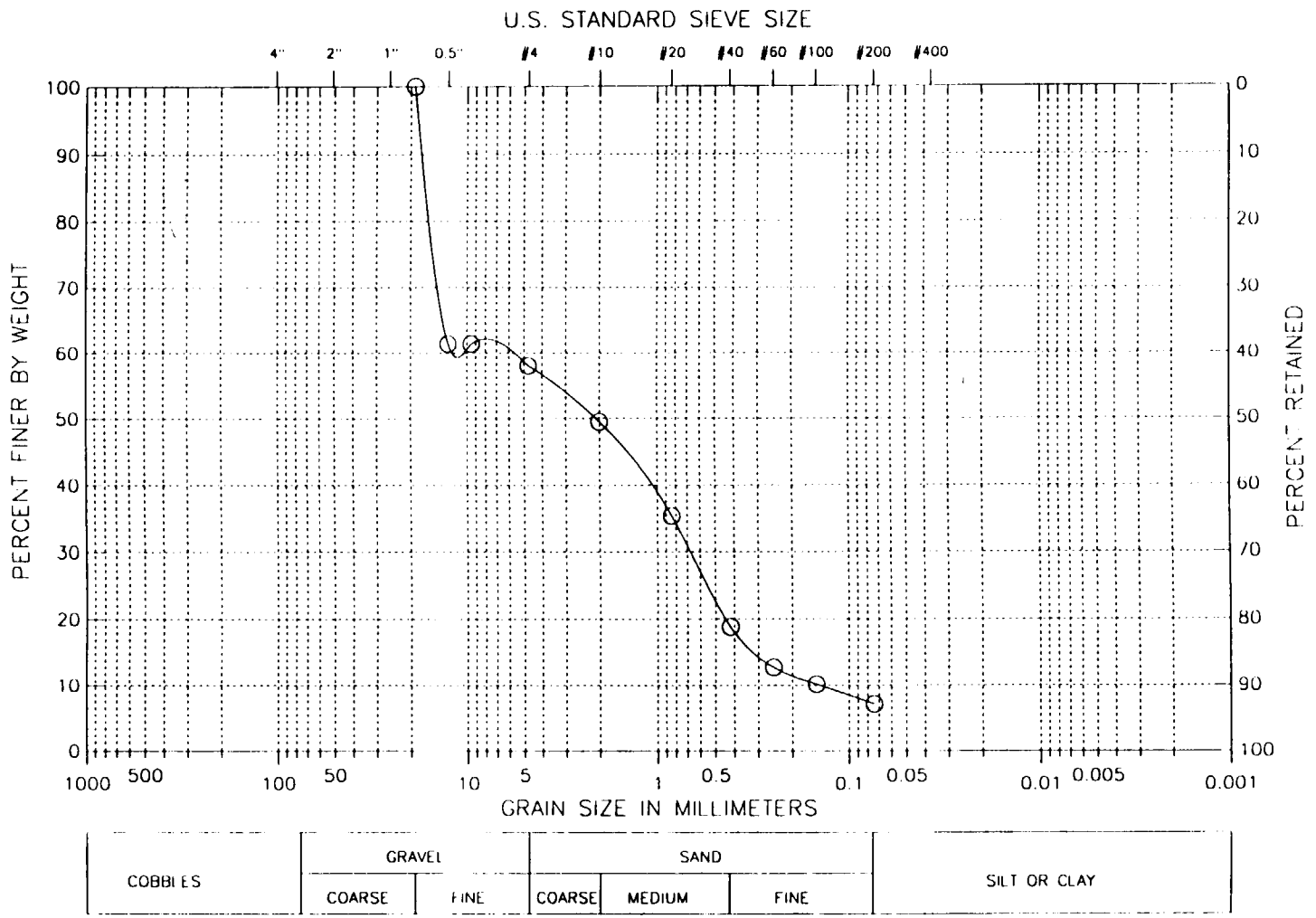
Total Dry Weight of Sample = 166.95

D85 : 0.7529 mm
D60 : 0.3357 mm
D50 : 0.2629 mm
D30 : 0.1507 mm
D15 : 0.0683 mm
D10 : 0.0556 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

WRC-SD-2013-000.5-01

Boring No. :	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00960	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 960	Date : Fri Dec 03 1999



Classification :

Remarks :
Hydrometer not required, fines < 10%

Visual Description :
Moist, black sand with some silt, organics

Figure 27

WRC-SD-2013-C00.5-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00960
Location : Centerdale, RI
Soil Description : Moist, black sand with some silt, organics
Remarks : Hydrometer not required, fines < 10%

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 960
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.75"	0.748	19.00	0.00	0.00	100
0.5"	0.500	12.70	8.87	8.87	61
0.375"	0.374	9.51	0.00	8.87	61
#4	0.187	4.75	0.77	9.64	58
#10	0.079	2.00	1.96	11.60	49
#20	0.033	0.84	3.25	14.85	35
#40	0.017	0.42	3.80	18.65	19
#60	0.010	0.25	1.40	20.05	13
#100	0.006	0.15	0.59	20.64	10
#200	0.003	0.07	0.69	21.33	7
Pan			1.64	22.97	0

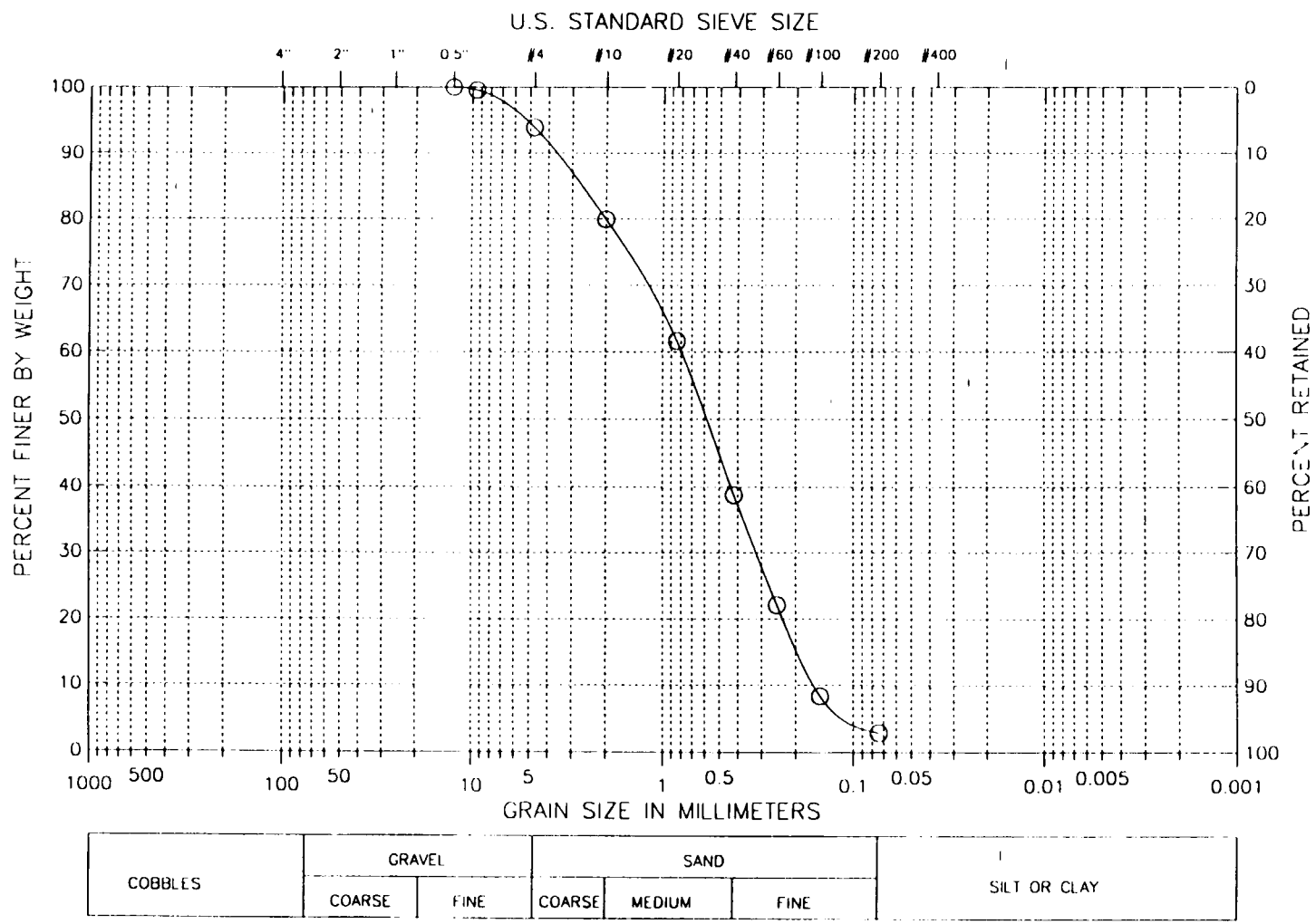
Total Dry Weight of Sample = 145.35

D85 : 16.2478 mm
D60 : 7.1395 mm
D50 : 2.1041 mm
D30 : 0.6718 mm
D15 : 0.3037 mm
D10 : 0.1441 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-1-a(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand

WRC-SD-2014-01

Boring No. :	Project : Tetra Tech NUS; Centerdale, N0191
Sample No.: D00961	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 961	Date : Fri Dec 03 1999



Classification :
(SP) Poorly graded sand
Visual Description :
Moist, very dark gray sand

Remarks :
Hydrometer not required, fines < 10%

Figure 28

URC-SD-2014-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00961
Location : Centerdale, RI
Soil Description : Moist, very dark gray sand
Remarks : Hydrometer not required, fines < 10%

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 961
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.5"	0.500	12.70	0.00	0.00	100
0.375"	0.374	9.51	0.21	0.21	100
#4	0.187	4.75	2.74	2.95	94
#10	0.079	2.00	6.77	9.72	80
#20	0.033	0.84	8.83	18.55	62
#40	0.017	0.42	11.05	29.60	39
#60	0.010	0.25	8.06	37.66	22
#100	0.006	0.15	6.66	44.32	8
#200	0.003	0.07	2.65	46.97	3
Pan			1.38	48.35	0

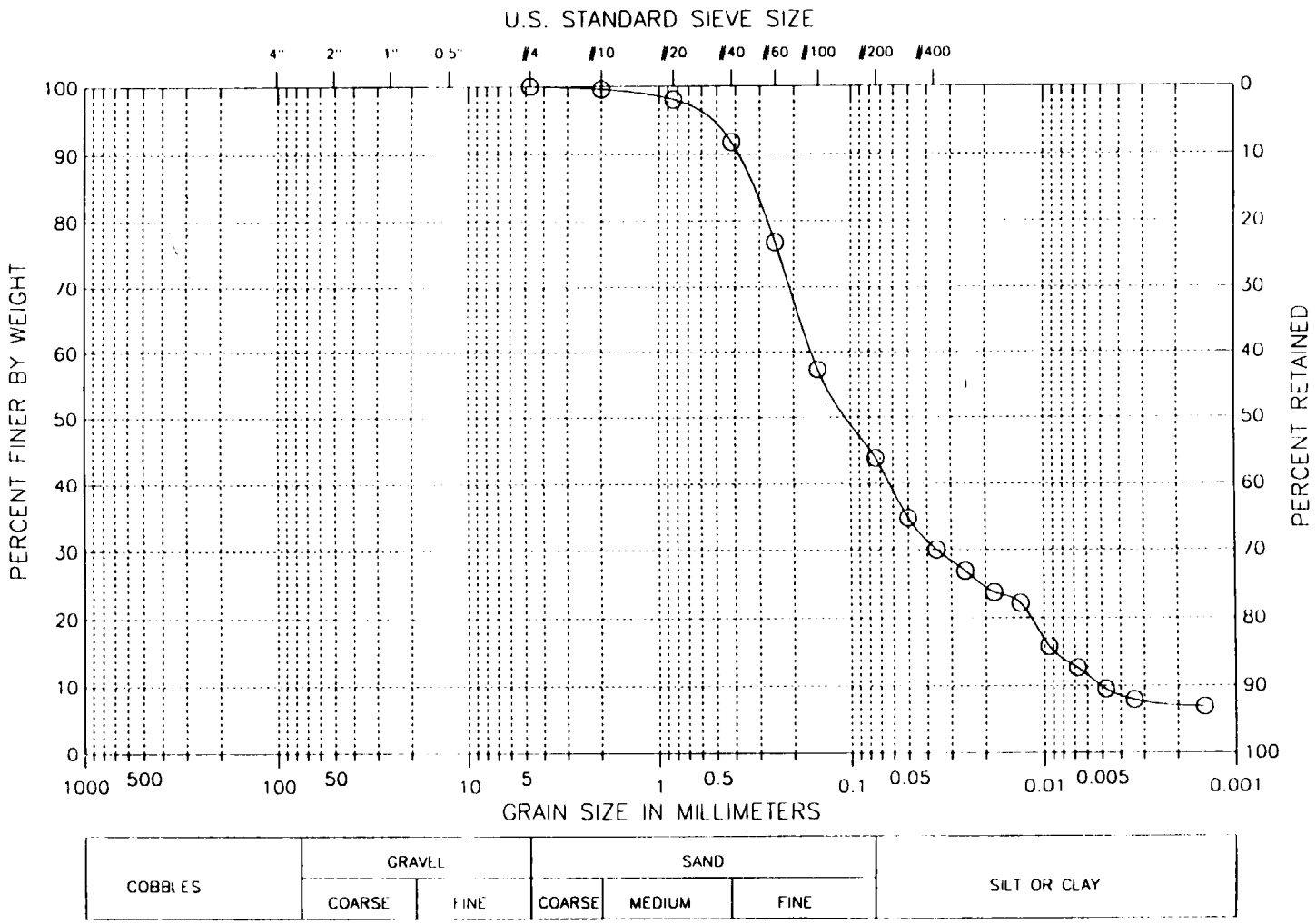
Total Dry Weight of Sample = 166.51

D85 : 2.7413 mm
D60 : 0.8003 mm
D50 : 0.5906 mm
D30 : 0.3196 mm
D15 : 0.1914 mm
D10 : 0.1586 mm

Soil Classification
ASTM Group Symbol : SP
ASTM Group Name : Poorly graded sand
AASHTO Group Symbol : A-1-b(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand

WRC-SD-2015-01

	Boring No. : - Sample No.: D00962 Test Method ASTM D 422 Filename : 962	Project : Tetra Tech NUS; Centerdale; N0191 Project No.: GTX-2607 Location: Centerdale, RI Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, very dark gray silty sand

Figure 29

WRC-SD-2015-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; NO191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00962
Location : Centerdale, RI
Soil Description : Wet, very dark gray silty sand
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 962
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 31.5 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	15.00	21.00	11.00	0.050	35	0.050
2.00	13.50	21.00	9.50	0.036	30	0.036
4.00	12.50	21.00	8.50	0.025	27	0.025
8.00	11.50	21.00	7.50	0.018	24	0.018
15.00	11.00	21.00	7.00	0.013	22	0.013
30.00	9.00	21.00	5.00	0.009	16	0.009
60.00	8.00	21.00	4.00	0.007	13	0.007
120.00	7.00	21.00	3.00	0.005	9	0.005
240.00	6.50	21.00	2.50	0.003	8	0.003
1337.00	6.50	20.00	2.18	0.001	7	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.13	0.13	100
#20	0.033	0.84	0.49	0.62	98
#40	0.017	0.42	1.98	2.60	92
#60	0.010	0.25	4.75	7.35	77
#100	0.006	0.15	6.16	13.51	57
#200	0.003	0.07	4.25	17.76	44
Pan			13.87	31.63	0

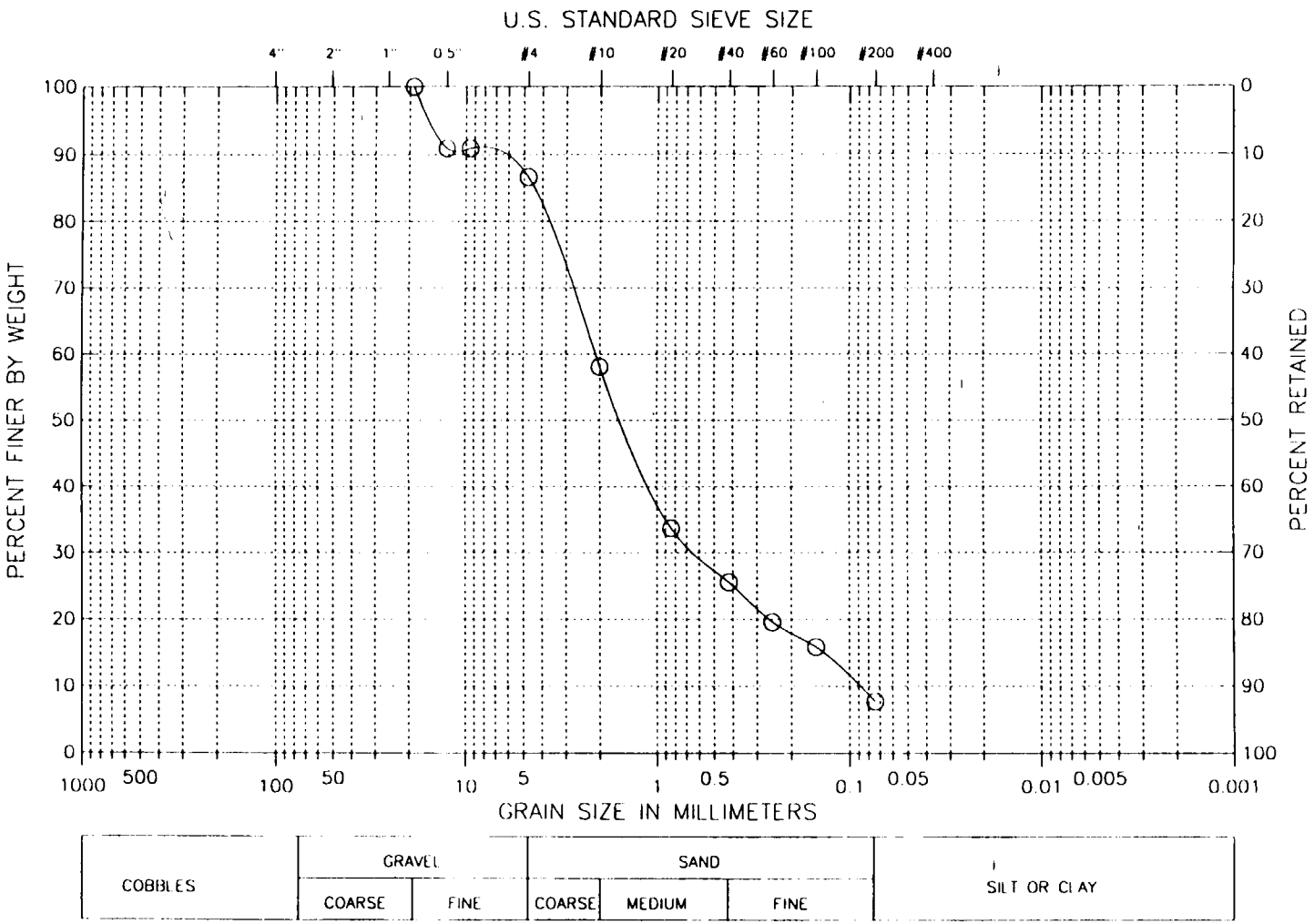
Total Dry Weight of Sample = 148.7

D85 : 0.3323 mm
D60 : 0.1601 mm
D50 : 0.1019 mm
D30 : 0.0355 mm
D15 : 0.0087 mm
D10 : 0.0051 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

CMW-SD-2016-01

	Boring No. : Sample No.: D00911 Test Method ASTM D 422 Filename : 911	Project : Tetra Tech NUS; Centerdale; N0191 Project No.: GIX-2607 Location: Centerdale, RI Date : Fri Dec 03 1999



Classification :

Remarks :
Hydrometer not required, fines < 10%

Visual Description :
Moist, dark brown sand with gravel and silt

Figure 13

CMW-SD-2016-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; NO191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D30911
Location : Centerdale, RI
Soil Description : Moist, dark brown sand with gravel and silt
Remarks : Hydrometer not required, fines < 10%

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 911
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.75"	0.748	19.00	0.00	0.00	100
0.5"	0.500	12.70	5.19	5.19	91
0.375"	0.374	9.51	0.00	5.19	91
#4	0.187	4.75	2.46	7.65	87
#10	0.079	2.00	16.31	23.96	58
#20	0.033	0.84	13.96	37.92	34
#40	0.017	0.42	4.62	42.54	26
#60	0.010	0.25	3.43	45.97	20
#100	0.006	0.15	2.13	48.10	16
#200	0.003	0.07	4.66	52.76	8
Pan			4.40	57.16	0

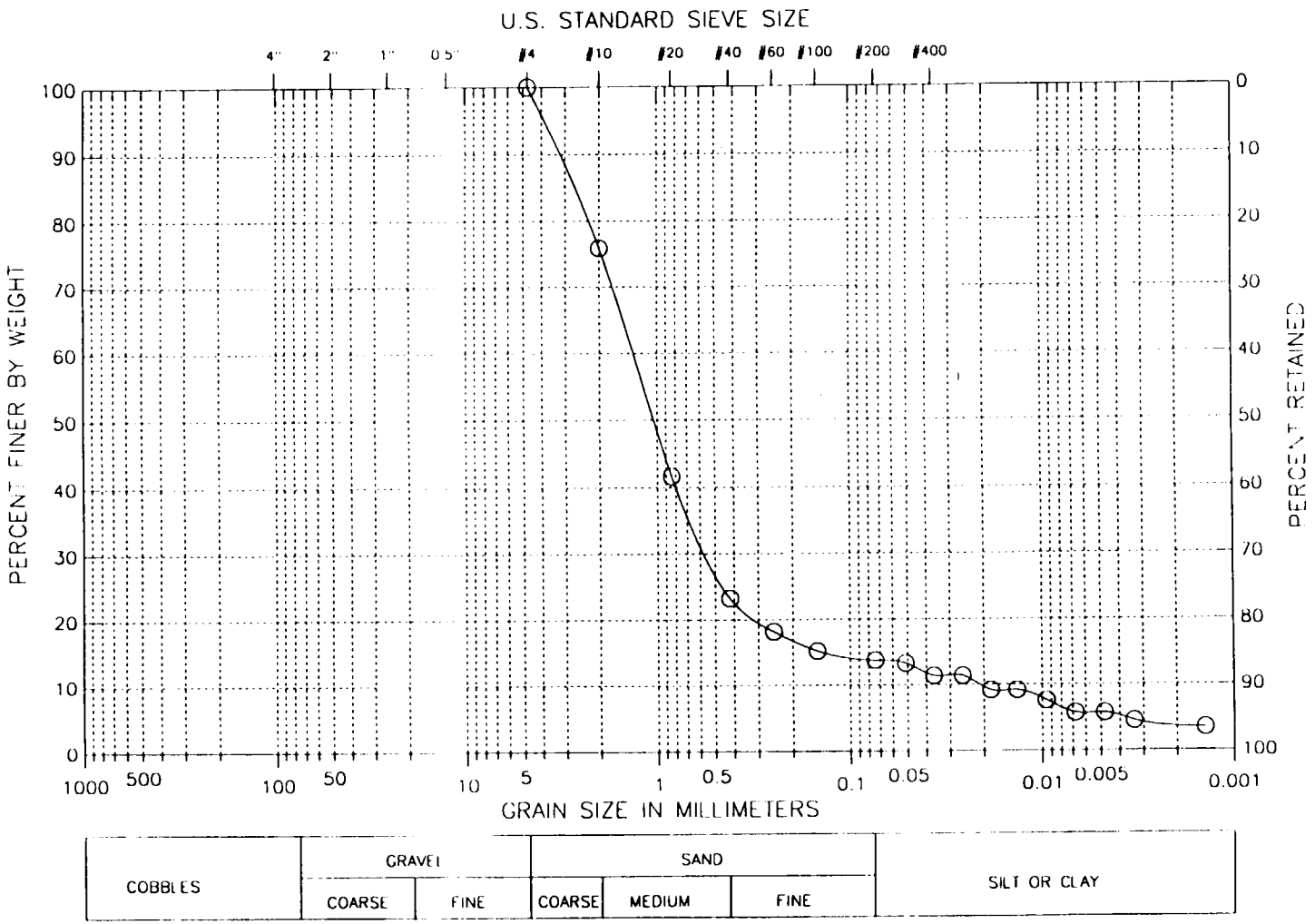
Total Dry Weight of Sample = 177.13

D85 : 4.5228 mm
D60 : 2.1197 mm
D50 : 1.5015 mm
D30 : 0.6141 mm
D15 : 0.1385 mm
D10 : 0.0902 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-1-b(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand

CMW-SD-2017-01

Boring No. :	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00912	Project No.: GTX 2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 912	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Moist, very dark brown sand with silt

Figure 14

CMW-SD-2017-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00912
Location : Centerdale, RI
Soil Description : Moist, very dark brown sand with silt
Remarks : ---

Filename : P12
Elevation : ---
Tested By : NJH/MED
Checked By : GTT

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 39.55 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C	Corrected Reading	Particle Size (mm)	Percent Finer %)	Adjusted Particle Size
1.00	11.00	21.00	7.00	0.051	13	0.051
2.00	10.00	21.00	6.00	0.036	11	0.036
4.00	10.00	21.00	6.00	0.026	11	0.026
8.00	9.00	20.50	4.84	0.018	9	0.018
15.00	9.00	20.50	4.84	0.013	9	0.013
30.00	8.00	21.00	4.00	0.010	8	0.010
60.00	7.00	21.00	3.00	0.007	6	0.007
120.00	7.00	21.00	3.00	0.005	6	0.005
240.00	6.00	22.00	2.36	0.003	4	0.003
1396.00	6.00	20.50	1.84	0.001	3	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	11.61	11.61	76
#20	0.033	0.84	16.50	28.11	42
#40	0.017	0.42	8.86	36.97	23
#60	0.010	0.25	2.44	39.41	18
#100	0.006	0.15	1.44	40.85	15
#200	0.003	0.07	0.69	41.54	14
Pan			6.62	48.16	0

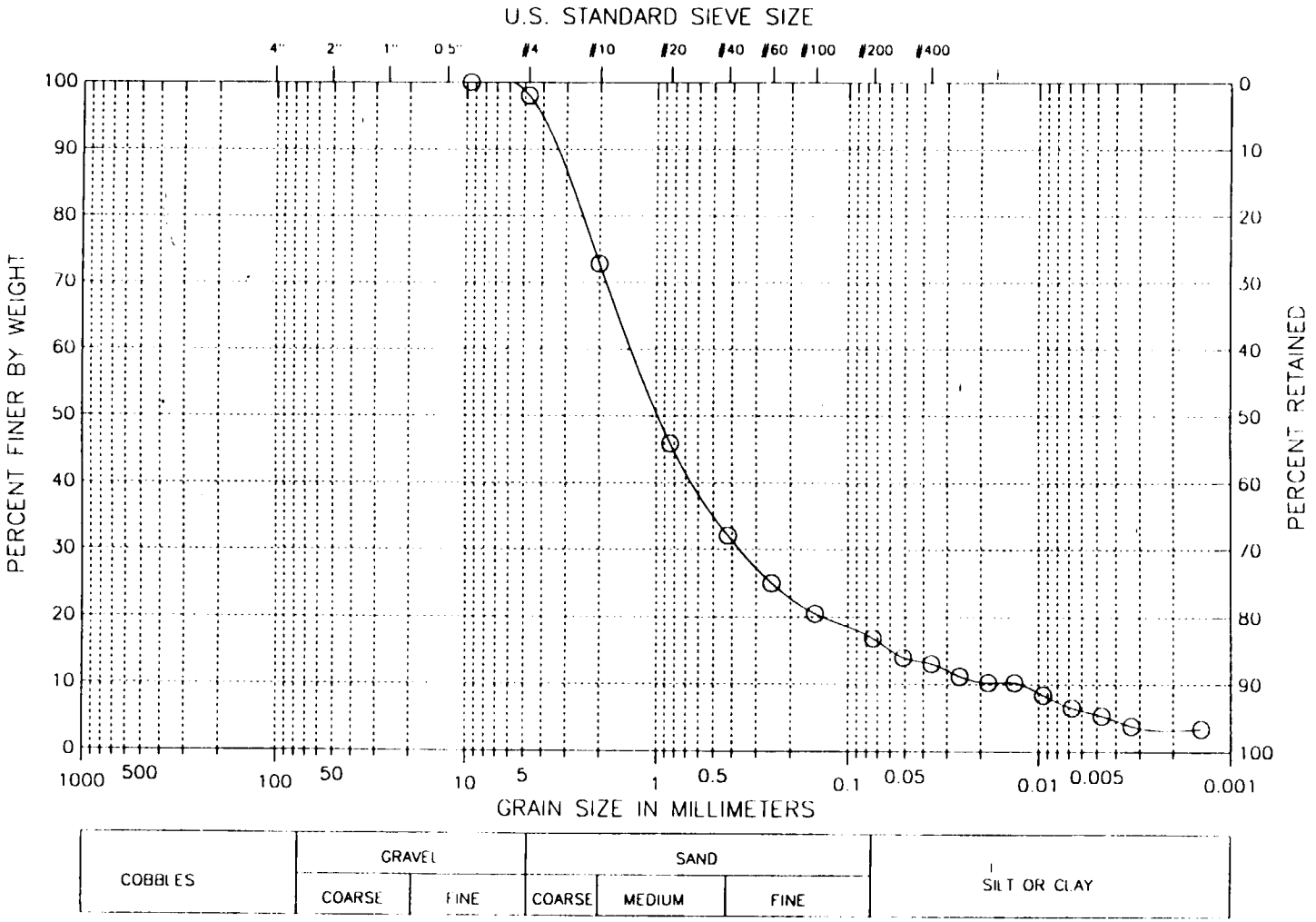
Total Dry Weight of Sample = 165.44

D85 : 2.7730 mm
D60 : 1.3381 mm
D50 : 1.0392 mm
D30 : 0.5422 mm
D15 : 0.1366 mm
D10 : 0.0209 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-1-b(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand

CMW-DU-102799A

Boring No. : ---	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00913	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 913	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :

Wet, dark gray silty sand, trace organics

Figure 15

CMW-DU-102799A

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : 200913
Location : Centerdale, RI
Soil Description : Wet, dark gray silty sand, trace organics
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 913
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 39.19 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	11.50	21.00	7.50	0.051	14	0.051
2.00	11.00	21.00	7.00	0.036	13	0.036
4.00	10.00	21.00	6.00	0.026	11	0.026
8.00	9.50	21.00	5.50	0.018	10	0.018
15.00	9.50	21.00	5.50	0.013	10	0.013
30.00	8.50	21.00	4.50	0.009	8	0.009
60.00	7.50	21.00	3.50	0.007	7	0.007
120.00	6.50	22.00	2.86	0.005	5	0.005
244.00	5.50	22.50	2.05	0.003	4	0.003
1378.00	6.00	20.50	1.84	0.001	3	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	1.06	1.06	98
#10	0.079	2.00	13.58	14.64	73
#20	0.033	0.84	14.51	29.15	46
#40	0.017	0.42	7.42	36.57	32
#60	0.010	0.25	3.79	40.36	25
#100	0.006	0.15	2.44	42.80	20
#200	0.003	0.07	1.97	44.77	17
Pan			9.06	53.83	0

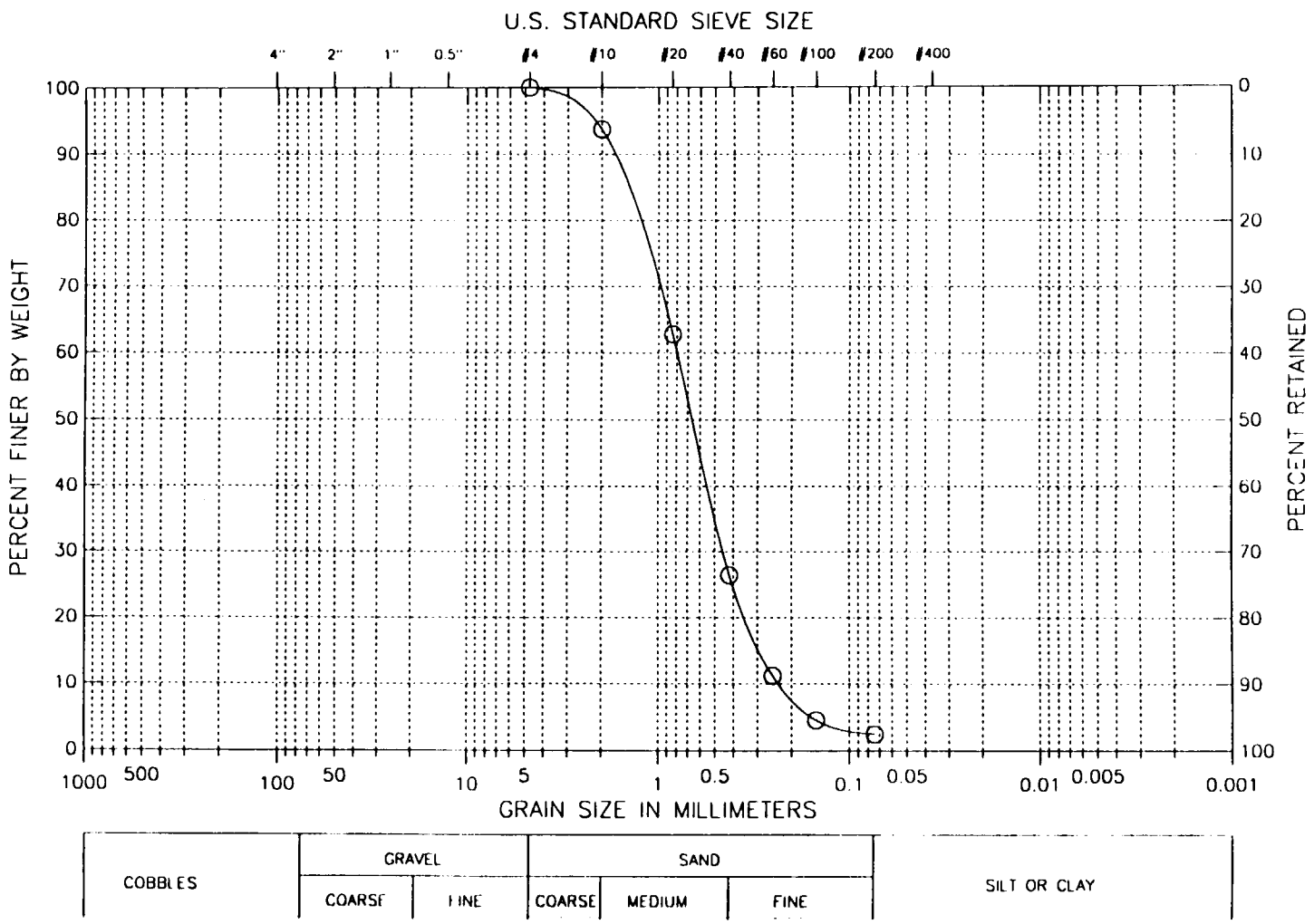
Total Dry Weight of Sample = 166.72

D85 : 3.0384 mm
D60 : 1.3253 mm
D50 : 1.9611 mm
D30 : 0.3607 mm
D15 : 0.0585 mm
D10 : 0.0128 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-1-b(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand

CMW - SD - 2018-01

Boring No. : - - -	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00907	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 907	Date : Fri Dec 03 1999



Classification :
(SP) Poorly graded sand
Visual Description :
Moist, dark brown sand

Remarks :
Hydrometer not required, fines < 10%

Figure 12

CMW-SD-2018-01

Fri Dec 03 14:50:23 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2807
Boring No. : ---
Sample No. : D0090"
Location : Centerdale, RI
Soil Description : Moist, dark brown sand
Remarks : Hydrometer not required, fines < 10%

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 907
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	2.86	2.86	94
#20	0.033	0.84	14.16	17.02	63
#40	0.017	0.42	16.66	33.68	26
#60	0.010	0.25	6.95	40.63	11
#100	0.006	0.15	3.05	43.68	5
#200	0.003	0.07	0.96	44.64	2
Pan			1.12	45.76	0

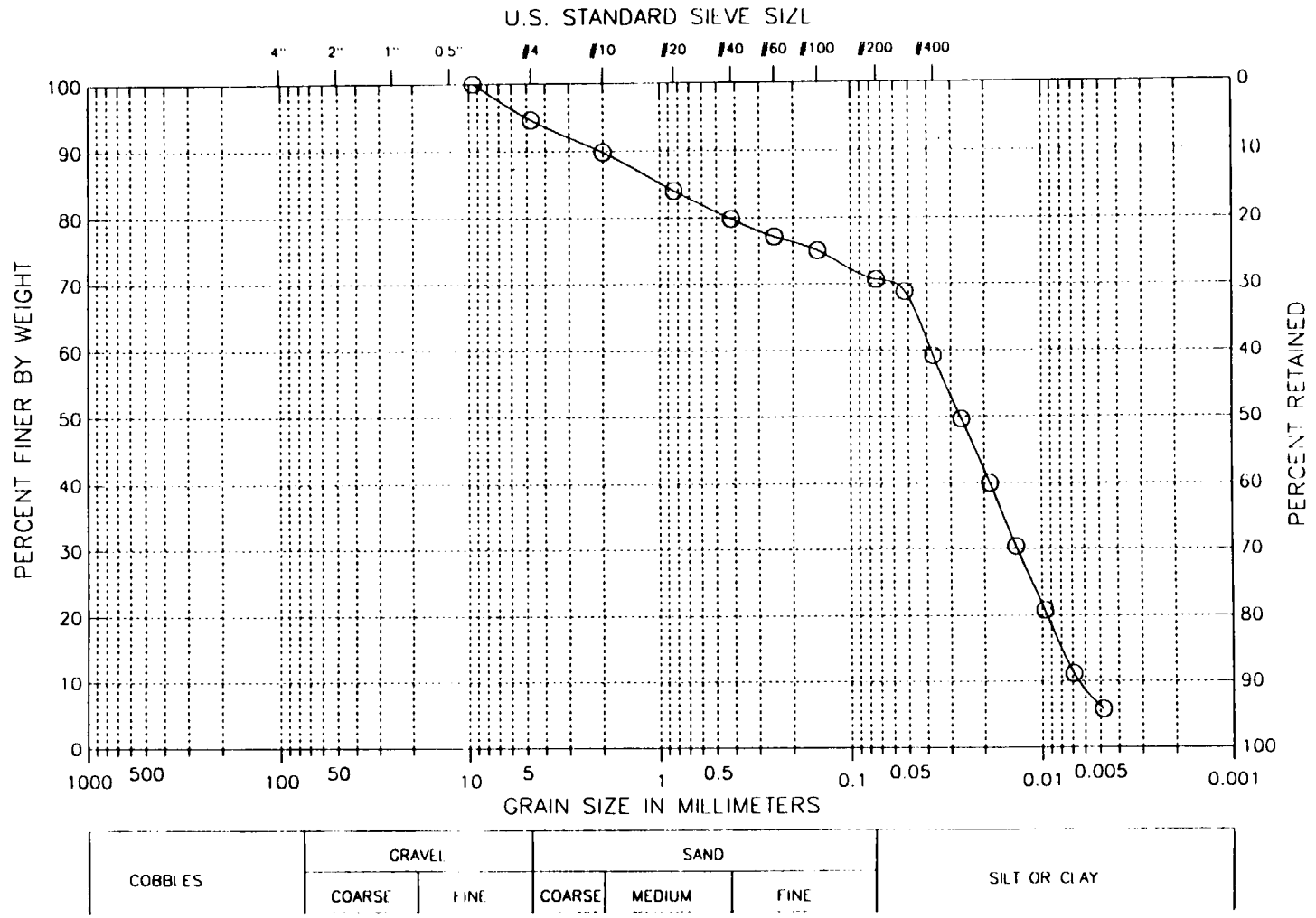
Total Dry Weight of Sample = 162.89

D85 : 1.5655 mm
D60 : 0.7972 mm
D50 : 0.6588 mm
D30 : 0.4499 mm
D15 : 0.2845 mm
D10 : 0.2276 mm

Soil Classification
ASTM Group Symbol : SP
ASTM Group Name : Poorly graded sand
AASHTO Group Symbol : A-1-b(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand

CMW-SD-2019-01

Boring No. : ---	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00906	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 906	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, black sandy silt with organics

Figure 10

cmw-SD-2019-01

Fri Dec 03 14:50:23 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : 990916
Location : Centerdale, RI
Soil Description : Wet, black sandy silt with organics
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 906
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 4.68 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	9.50	20.00	3.58	0.052	69	0.052
2.00	9.00	20.00	3.08	0.037	59	0.037
4.00	8.50	20.00	2.58	0.026	50	0.026
8.00	8.00	20.00	2.08	0.019	40	0.019
15.00	7.50	20.00	1.58	0.014	30	0.014
30.00	7.00	20.00	1.08	0.010	21	0.010
60.00	6.50	20.00	0.58	0.007	11	0.007
120.00	5.50	21.00	0.30	0.005	6	0.005

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.28	0.28	95
#10	0.079	2.00	0.25	0.53	90
#20	0.033	0.84	0.30	0.83	84
#40	0.017	0.42	0.22	1.05	80
#60	0.010	0.25	0.14	1.19	77
#100	0.006	0.15	0.11	1.30	75
#200	0.003	0.07	0.23	1.53	71
Pan			3.68	5.21	0

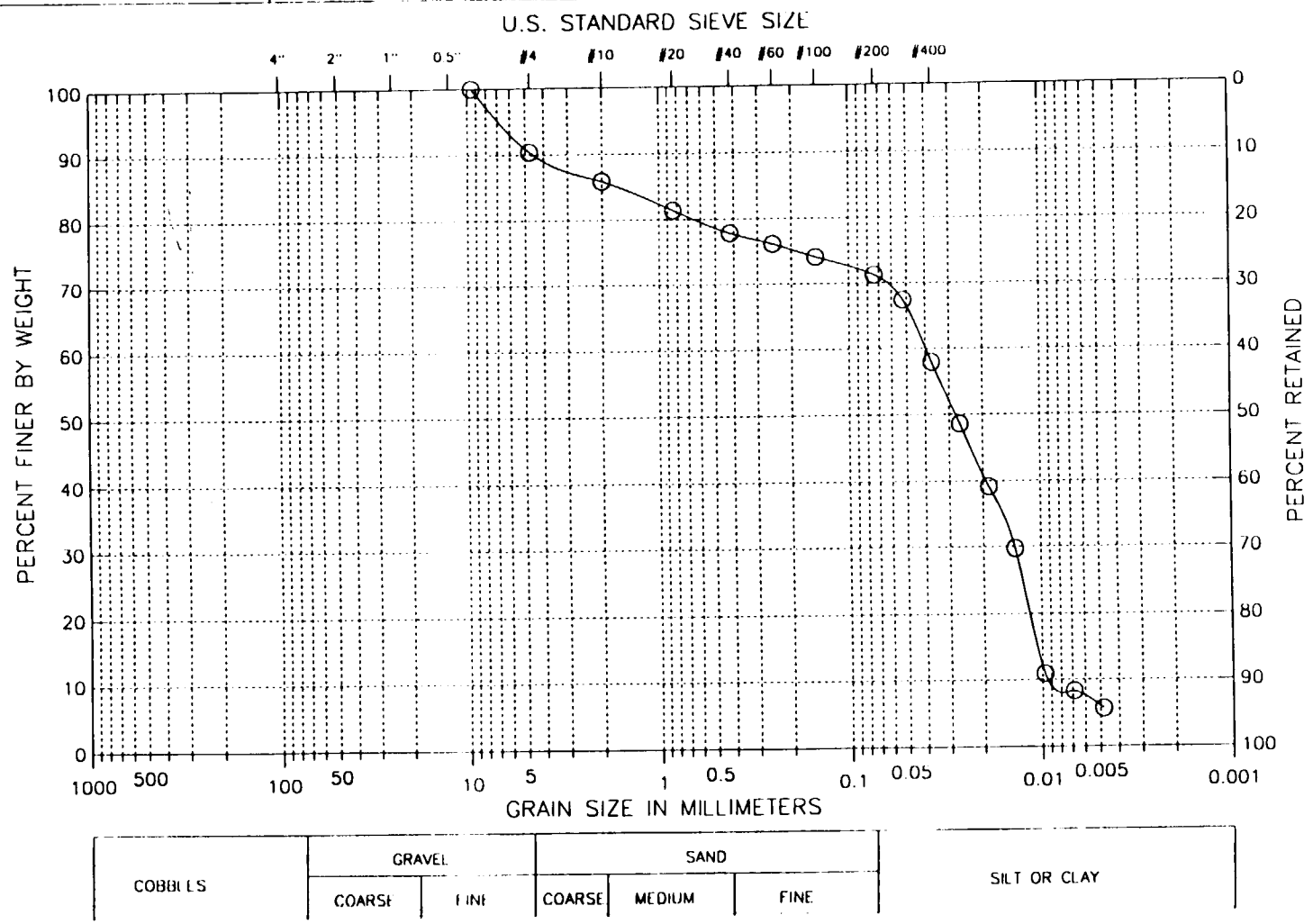
Total Dry Weight of Sample = 126.12

D85 : 0.9674 mm
D60 : 0.0382 mm
D50 : 0.0267 mm
D30 : 0.0135 mm
D15 : 0.0079 mm
D10 : 0.0064 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

CMW-SD-2019-01

Boring No. : - - -	Project : Tetra Tech NUS, Centerdale; N0191
Sample No.: D00906 - DUP	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 906DUP	Date : Fri Dec 03 1999



Classification :

Remarks :
DUPLICATE ANALYSIS

Visual Description :
Wet, black sandy silt with organics

Figure 11

CMW-SD-2019-01

Fri Dec 03 14:50:23 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : 200906 - DUP
Location : Centerdale, RI
Soil Description : Wet, black sandy silt with organics
Remarks : DUPLICATE ANALYSIS

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 906DUP
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 67130
Weight of air-dried soil = 4.57 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature deg. C	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	9.50	20.00	3.58	0.052	67	0.052
2.00	9.00	20.00	3.08	0.037	58	0.037
4.00	8.50	20.00	2.58	0.026	49	0.026
8.00	8.00	20.00	2.08	0.019	39	0.019
15.00	7.50	20.00	1.58	0.014	30	0.014
30.00	6.50	20.00	0.58	0.010	11	0.010
60.00	6.00	20.50	0.44	0.007	8	0.007
120.00	5.50	21.00	0.30	0.005	6	0.005

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.51	0.51	90
#10	0.079	2.00	0.24	0.75	86
#20	0.033	0.84	0.24	0.99	81
#40	0.017	0.42	0.19	1.18	78
#60	0.010	0.25	0.09	1.27	76
#100	0.006	0.15	0.11	1.38	74
#200	0.003	0.07	0.15	1.53	71
Pan			3.79	5.32	0

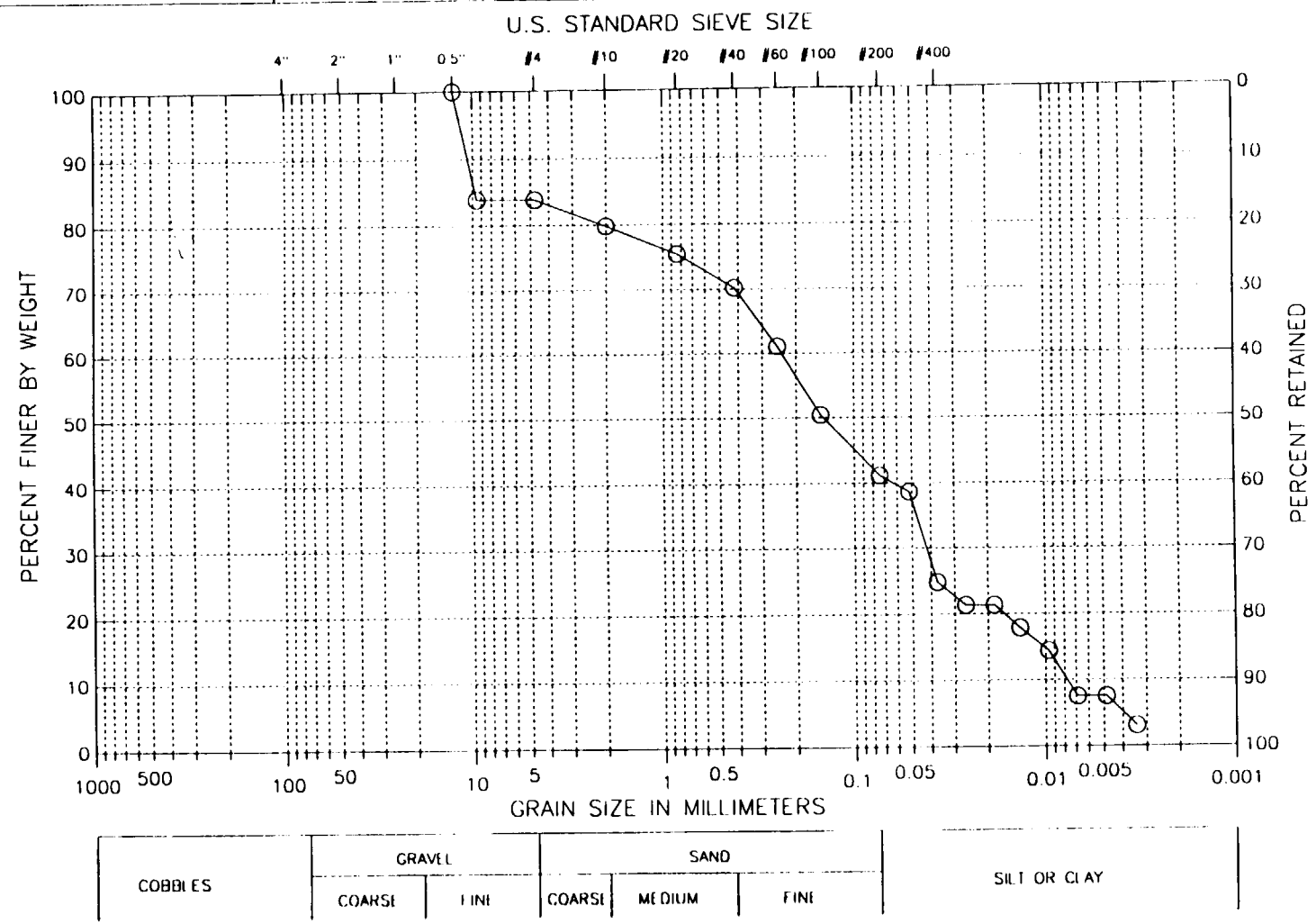
Total Dry Weight of Sample = 125.53

D85 : 1.6818 mm
D60 : 0.0400 mm
D50 : 0.0278 mm
D30 : 0.0138 mm
D15 : 0.0105 mm
D10 : 0.0086 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

CMW-SD-2020-01

	Boring No. : - - - Sample No.: D00904 Test Method ASTM D 422 Filename : 904	Project : Tetra Tech NUS; Centerdale; N0191 Project No.: GTX-2607 Location: Centerdale, RI Date : Fri Dec 03 1999



Classification :

Remarks

Visual Description :
Wet, black silty sand with organics

Figure 9

CMW-SD-2020-01

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : 990924
Location : Centerdale, RI
Soil Description : Wet, black silty sand with organics
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 904
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 11.84 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	11.50	20.00	5.58	0.052	39	0.052
2.00	9.50	20.00	3.58	0.037	25	0.037
4.00	9.00	20.00	3.08	0.026	21	0.026
8.00	9.00	20.00	3.08	0.019	21	0.019
15.00	8.50	20.00	2.58	0.014	18	0.014
30.00	8.00	20.00	2.08	0.010	14	0.010
60.00	7.00	20.00	1.08	0.007	7	0.007
120.00	7.00	20.00	1.08	0.005	7	0.005
245.00	6.00	20.50	0.44	0.003	3	0.003

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.5"	0.500	12.70	0.00	0.00	100
0.375"	0.374	9.51	2.33	2.33	84
#4	0.187	4.75	0.00	2.33	84
#10	0.079	2.00	0.59	2.92	80
#20	0.033	0.84	0.63	3.55	75
#40	0.017	0.42	0.76	4.31	70
#60	0.010	0.25	1.32	5.63	61
#100	0.006	0.15	1.54	7.17	50
#200	0.003	0.07	1.34	8.51	41
Pan			5.95	14.46	0

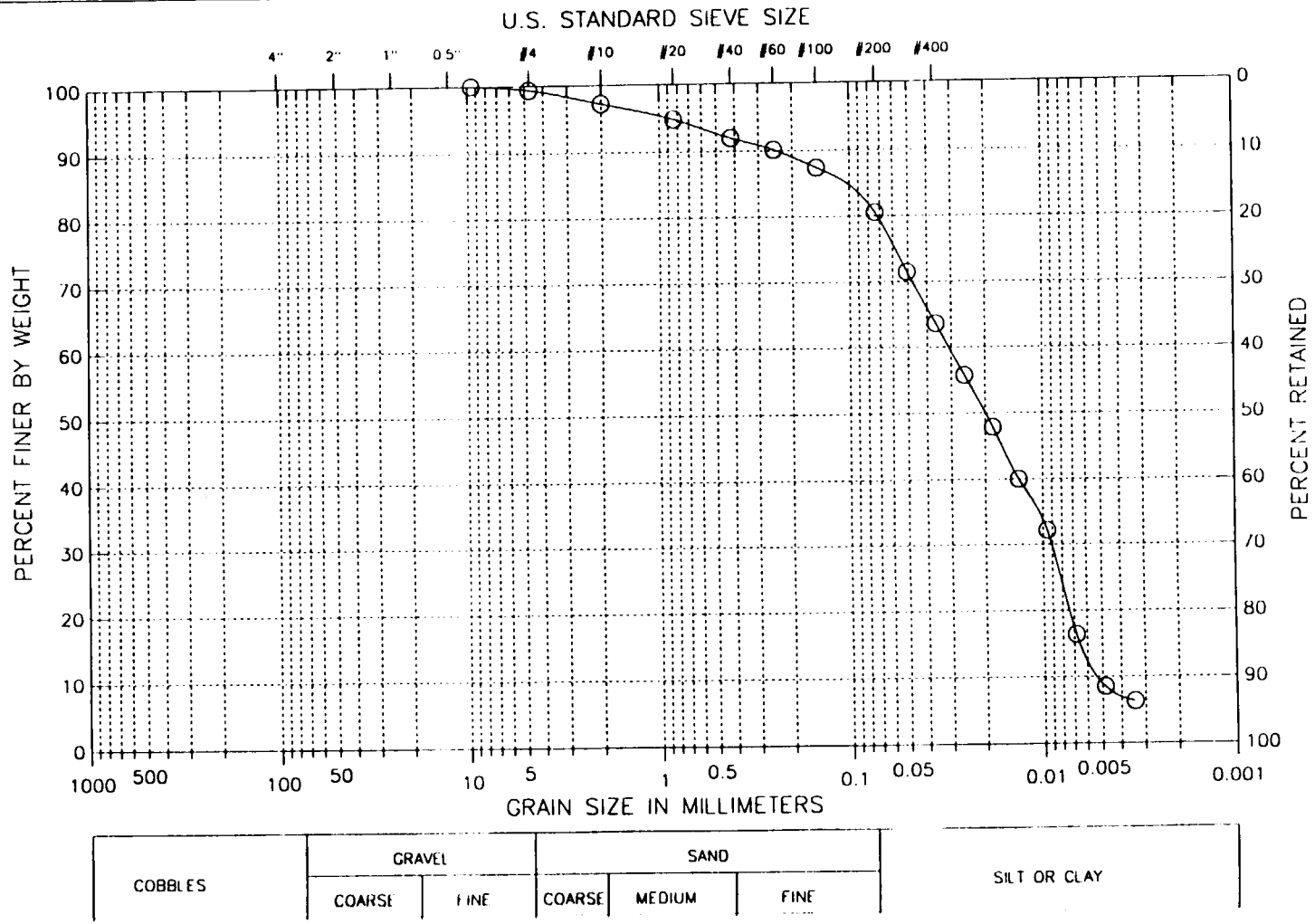
Total Dry Weight of Sample = 136.25

D85 : 9.7020 mm
D60 : 0.2374 mm
D50 : 0.1444 mm
D30 : 0.0420 mm
D15 : 0.0102 mm
D10 : 0.0078 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

CMW-SD-2021-01

Boring No. :	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00902	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 902	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, black silt with sand and organics

Figure 8

CMW-SD-2021-01

Fri Dec 03 14:52:13 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00912
Location : Centerdale, RI
Soil Description : Wet, black silt with sand and organics
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 902
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 12.37 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature deg. C	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	15.00	20.00	9.08	0.051	71	0.051
2.00	14.00	20.00	8.08	0.036	64	0.036
4.00	13.00	20.00	7.08	0.026	56	0.026
8.00	12.00	20.00	6.08	0.018	48	0.018
15.00	11.00	20.00	5.08	0.013	40	0.013
30.00	10.00	20.00	4.08	0.010	32	0.010
60.00	8.00	20.00	2.08	0.007	16	0.007
120.00	7.00	20.00	1.08	0.005	9	0.005
240.00	6.00	21.00	0.80	0.003	6	0.003

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.08	0.08	99
#10	0.079	2.00	0.27	0.35	97
#20	0.033	0.84	0.31	0.66	95
#40	0.017	0.42	0.36	1.02	92
#60	0.010	0.25	0.23	1.25	90
#100	0.006	0.15	0.35	1.60	87
#200	0.003	0.07	0.87	2.47	81
Pan			10.25	12.72	0

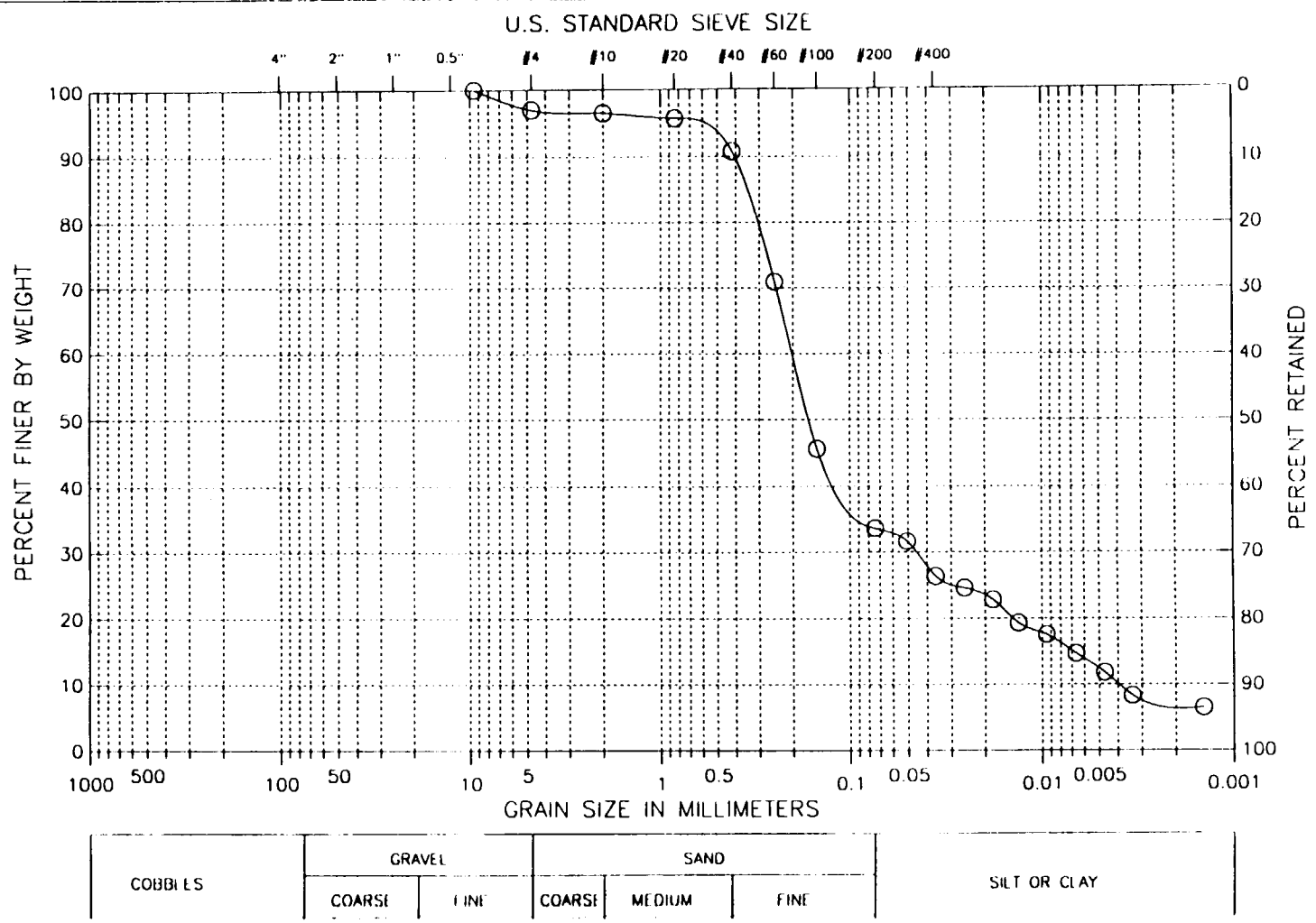
Total Dry Weight of Sample = 129.89

D85 : 0.1163 mm
D60 : 0.0309 mm
D50 : 0.0200 mm
D30 : 0.0091 mm
D15 : 0.0064 mm
D10 : 0.0052 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

CMW-SD-2023-01

Boring No. :	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00914	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 914	Date : Fri Dec 03 1999



Classification :

Remarks :
strong odor

Visual Description :
Wet, very dark gray sandy silt, trace organics

Figure 16

CMW-SD-2023-C1

Fri Dec 03 14:50:23 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00914
Location : Centerdale, RI
Soil Description : Wet, very dark gray sandy silt, trace organics
Remarks : strong odor

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 914
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 27.52 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	13.00	21.00	9.00	0.051	32	0.051
2.00	11.50	21.00	7.50	0.036	26	0.036
4.00	11.00	21.00	7.00	0.026	25	0.026
8.00	10.50	21.00	6.50	0.018	23	0.018
15.00	9.50	21.00	5.50	0.013	19	0.013
30.00	9.00	21.00	5.00	0.009	18	0.009
61.00	8.00	21.50	4.18	0.007	15	0.007
122.00	7.00	22.00	3.36	0.005	12	0.005
240.00	6.00	22.00	2.36	0.003	8	0.003
1369.00	6.00	20.50	1.84	0.001	6	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.85	0.85	97
#10	0.079	2.00	0.14	0.99	97
#20	0.033	0.84	0.23	1.22	96
#40	0.017	0.42	1.40	2.62	91
#60	0.010	0.25	5.67	8.29	71
#100	0.006	0.15	7.23	15.52	46
#200	0.003	0.07	3.41	18.93	34
Pan			9.58	28.51	0

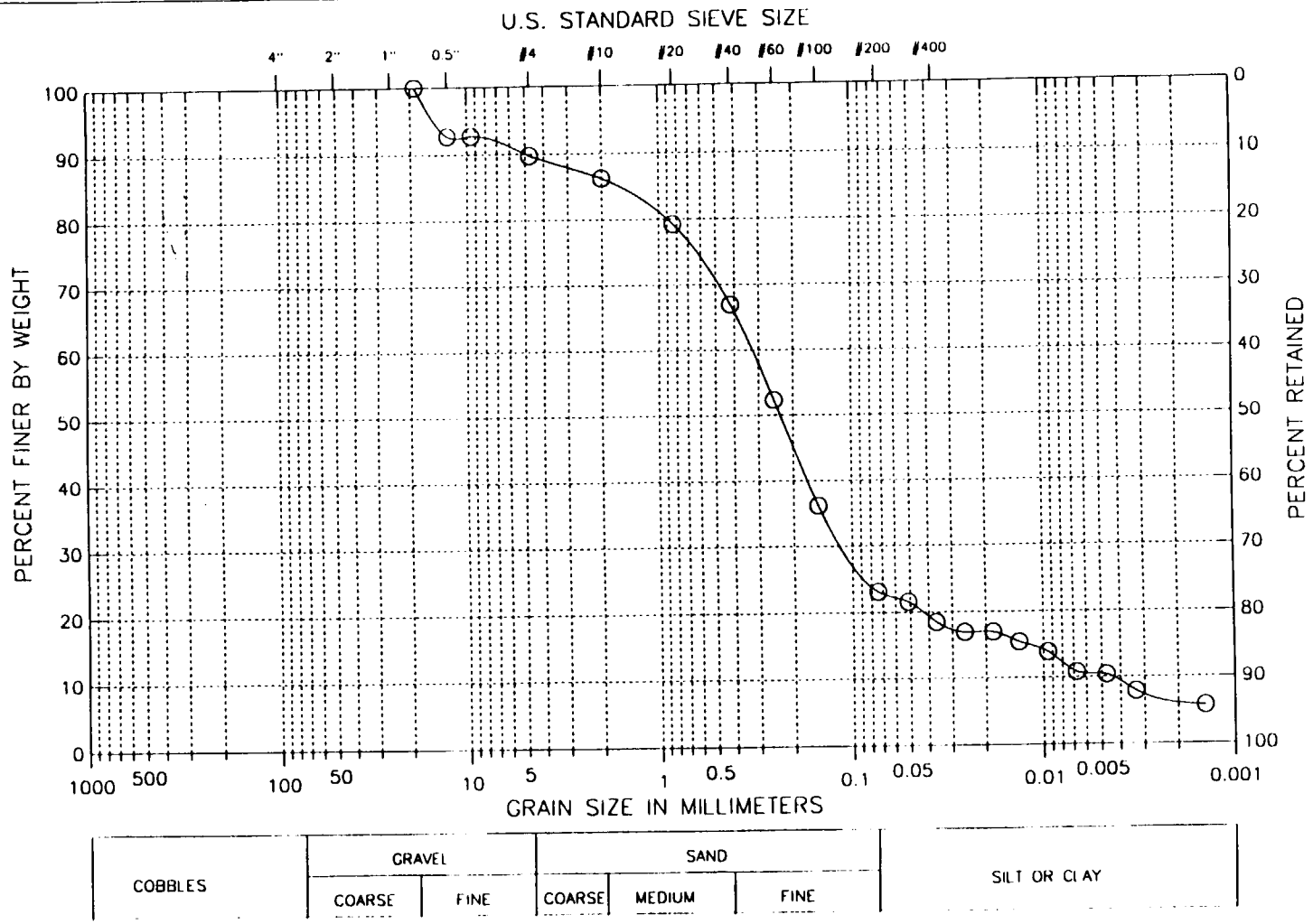
Total Dry Weight of Sample = 159.69

D85 : 0.3609 mm
D60 : 0.2000 mm
D50 : 0.1631 mm
D30 : 0.0457 mm
D15 : 0.0069 mm
D10 : 0.0040 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

CMW-SD-2024-01

	Boring No. : ---- Sample No.: D00918 Test Method ASTM D 422 Filename : 918	Project : Tetra Tech NUS; Centerdale; N0191 Project No.: GTX-2607 Location: Centerdale, RI Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, black silty sand with organics

Figure 17

CMW-SD-2024-01

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00913
Location : Centerdale, RI
Soil Description Wet, black silty sand with organics
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 918
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 187525
Weight of air-dried soil = 28.05 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature deg. C	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	11.00	21.00	7.00	0.051	22	0.051
2.00	10.00	21.00	6.00	0.036	18	0.036
4.00	9.50	21.00	5.50	0.026	17	0.026
8.00	9.50	21.00	5.50	0.018	17	0.018
15.00	9.00	21.00	5.00	0.013	15	0.013
30.00	8.50	21.00	4.50	0.009	14	0.009
60.00	7.50	21.00	3.50	0.007	11	0.007
120.00	7.00	22.00	3.36	0.005	10	0.005
242.00	6.00	22.50	2.55	0.003	8	0.003
1360.00	6.00	20.50	1.84	0.001	6	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.75"	0.748	19.00	0.00	0.00	100
0.5"	0.500	12.70	2.36	2.36	93
0.375"	0.374	9.51	0.00	2.36	93
#4	0.187	4.75	0.97	3.33	90
#10	0.079	2.00	1.14	4.47	86
#20	0.033	0.84	2.28	6.75	79
#40	0.017	0.42	4.01	10.76	67
#60	0.010	0.25	4.74	15.50	52
#100	0.006	0.15	5.25	20.75	36
#200	0.003	0.07	4.26	25.01	23
Pan			7.51	32.52	0

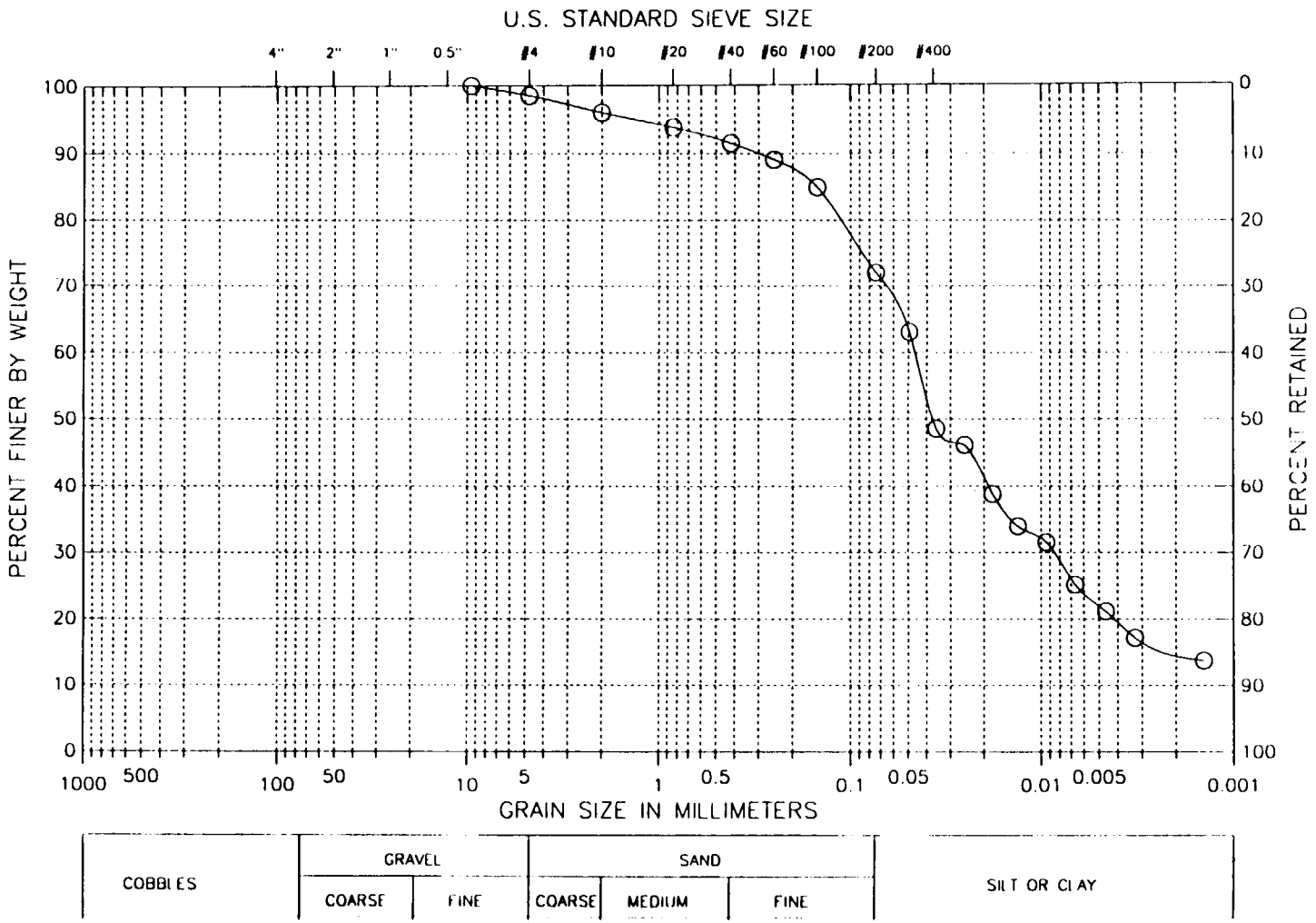
Total Dry Weight of Sample = 152.13

D85 : 1.7128 mm
D60 : 0.3284 mm
D50 : 0.2320 mm
D30 : 0.1070 mm
D15 : 0.0123 mm
D10 : 0.0045 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

CMW-SD-2025-000.5-01

Boring No. : --- Sample No.: D00924 Test Method ASTM D 422 Filename : 924	Project : Tetra Tech NUS; Centerdale; N0191 Project No.: GTX-2607 Location: Centerdale, RI Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, black sandy organic silt

Figure 18

CMTW-SD-2025-0005-2

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : 000924
Location : Centerdale, RI
Soil Description : Wet, black sandy organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 924
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 19.82 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	17.00	21.00	13.00	0.050	63	0.050
2.00	14.00	21.00	10.00	0.036	49	0.036
4.00	13.50	21.00	9.50	0.025	46	0.025
8.00	12.00	21.00	8.00	0.018	39	0.018
15.00	11.00	21.00	7.00	0.013	34	0.013
30.00	10.50	21.00	6.50	0.009	32	0.009
60.00	9.00	21.50	5.18	0.007	25	0.007
125.00	8.00	22.00	4.36	0.005	21	0.005
249.00	7.00	22.50	3.55	0.003	17	0.003
1351.00	7.00	20.50	2.84	0.001	14	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Sieve Openings Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.31	0.31	98
#10	0.079	2.00	0.51	0.82	96
#20	0.033	0.84	0.45	1.27	94
#40	0.017	0.42	0.48	1.75	92
#60	0.010	0.25	0.50	2.25	89
#100	0.006	0.15	0.85	3.10	85
#200	0.003	0.07	2.68	5.78	72
Pan			14.86	20.64	0

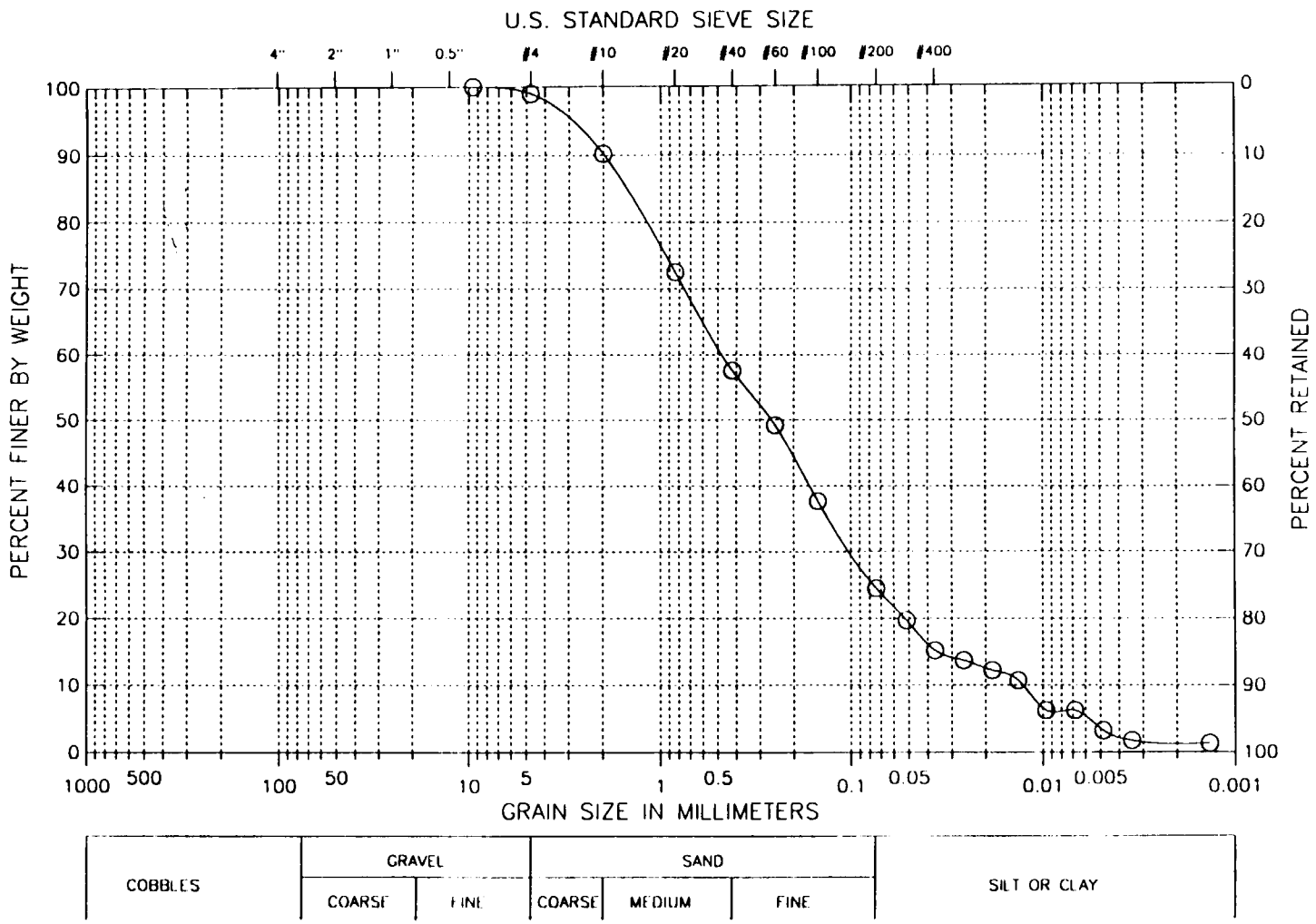
Total Dry Weight of Sample = 128.05

D85 : 0.1494 mm
D60 : 0.0462 mm
D50 : 0.0369 mm
D30 : 0.0086 mm
D15 : 0.0019 mm
D10 : 0.0006 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

APB-SD-2029-000.5-01

Boring No. : - - -	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00947	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 947	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Moist, black silty sand

Figure 25

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APB-SD-2029-000.5-01

Fri Dec 03 14:50:19 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2617
Boring No. : ---
Sample No. : D0094
Location : Centerdale, RI
Soil Description : Moist, black silty sand
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 947
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 30.2 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	12.50	20.00	6.58	0.051	20	0.051
2.00	11.00	20.00	5.08	0.037	15	0.037
4.00	10.50	20.00	4.58	0.026	14	0.026
8.00	10.00	20.00	4.08	0.018	12	0.018
15.00	9.50	20.00	3.58	0.014	11	0.014
30.00	8.00	20.00	2.08	0.010	6	0.010
60.00	8.00	20.00	2.08	0.007	6	0.007
120.00	7.00	20.00	1.08	0.005	3	0.005
240.00	6.50	20.00	0.58	0.003	2	0.003
1526.00	6.00	20.50	0.44	0.001	1	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.34	0.34	99
#10	0.079	2.00	2.93	3.27	90
#20	0.033	0.84	5.94	9.21	72
#40	0.017	0.42	4.98	14.19	58
#60	0.010	0.25	2.81	17.00	49
#100	0.006	0.15	3.86	20.86	38
#200	0.003	0.07	4.42	25.28	24
Pan			8.19	33.47	0

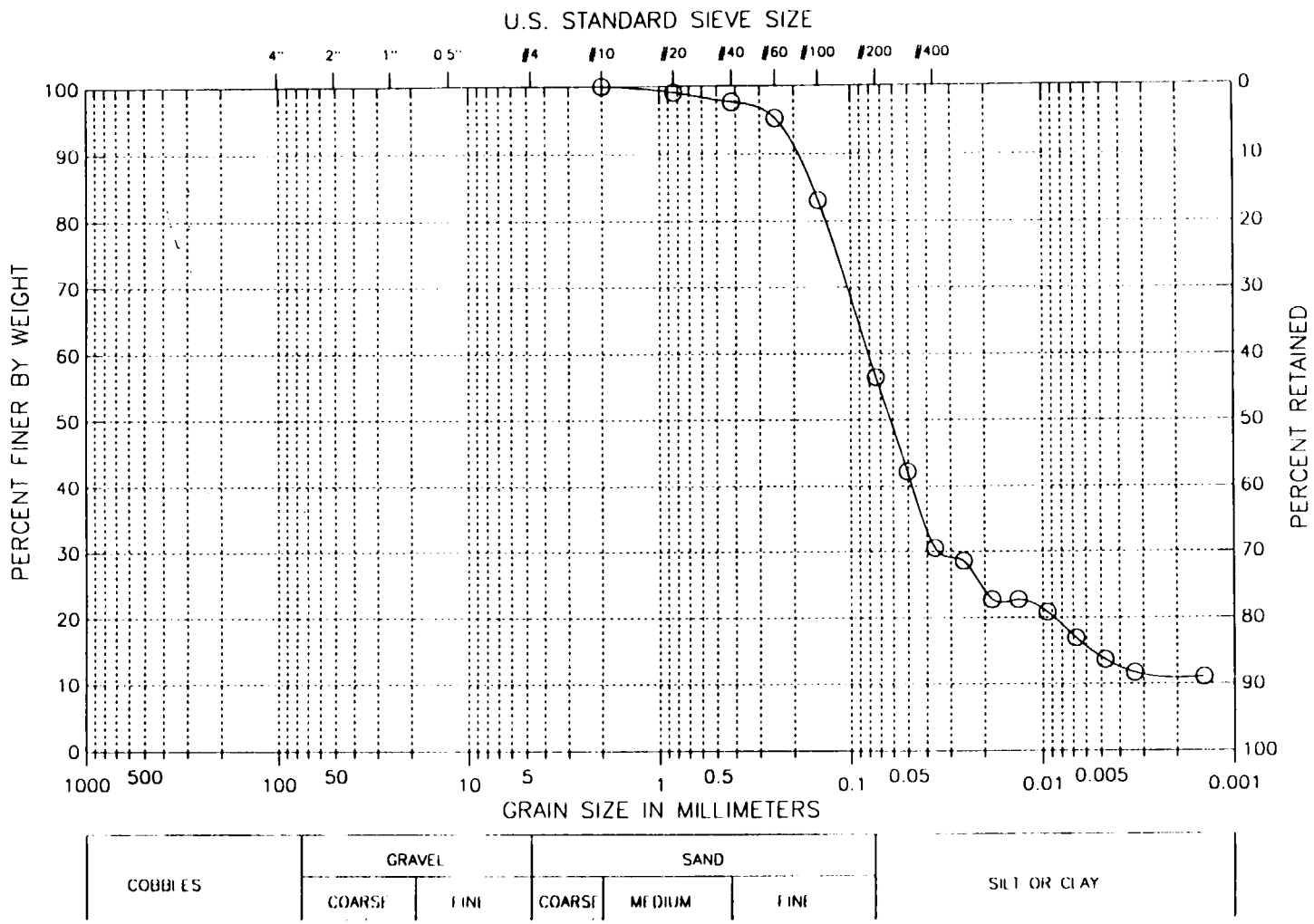
Total Dry Weight of Sample = 152.85

D85 : 1.5494 mm
D60 : 0.4697 mm
D50 : 0.2625 mm
D30 : 0.0992 mm
D15 : 0.0351 mm
D10 : 0.0128 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

APB-SD-2030-01

Boring No. : - - -	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00881	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 881	Date : Fri Dec 03 1999



Classification

Remarks

Visual Description :

Moist, very dark brown sandy silt with organics

Figure 1

APB-SD-2030-01

Fri Dec 03 14:50:13 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00881
Location : Centerdale, RI
Soil Description : Moist, very dark brown sandy silt with organics
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 881
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 25.73 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	15.00	20.50	10.84	0.050	42	0.050
2.00	12.00	20.50	7.84	0.036	31	0.036
4.00	11.50	20.50	7.34	0.026	29	0.026
8.00	10.00	20.50	5.84	0.018	23	0.018
15.00	10.00	20.50	5.84	0.013	23	0.013
30.00	9.50	20.50	5.34	0.010	21	0.010
60.00	8.50	20.50	4.34	0.007	17	0.007
120.00	7.50	21.00	3.50	0.005	14	0.005
246.00	7.00	21.00	3.00	0.003	12	0.003
1335.00	7.00	20.50	2.84	0.001	11	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#10	0.079	2.00	0.00	0.00	100
#20	0.033	0.84	0.24	0.24	99
#40	0.017	0.42	0.37	0.61	98
#60	0.010	0.25	0.62	1.23	95
#100	0.006	0.15	3.12	4.35	83
#200	0.003	0.07	6.87	11.22	56
Pan			14.55	25.77	0

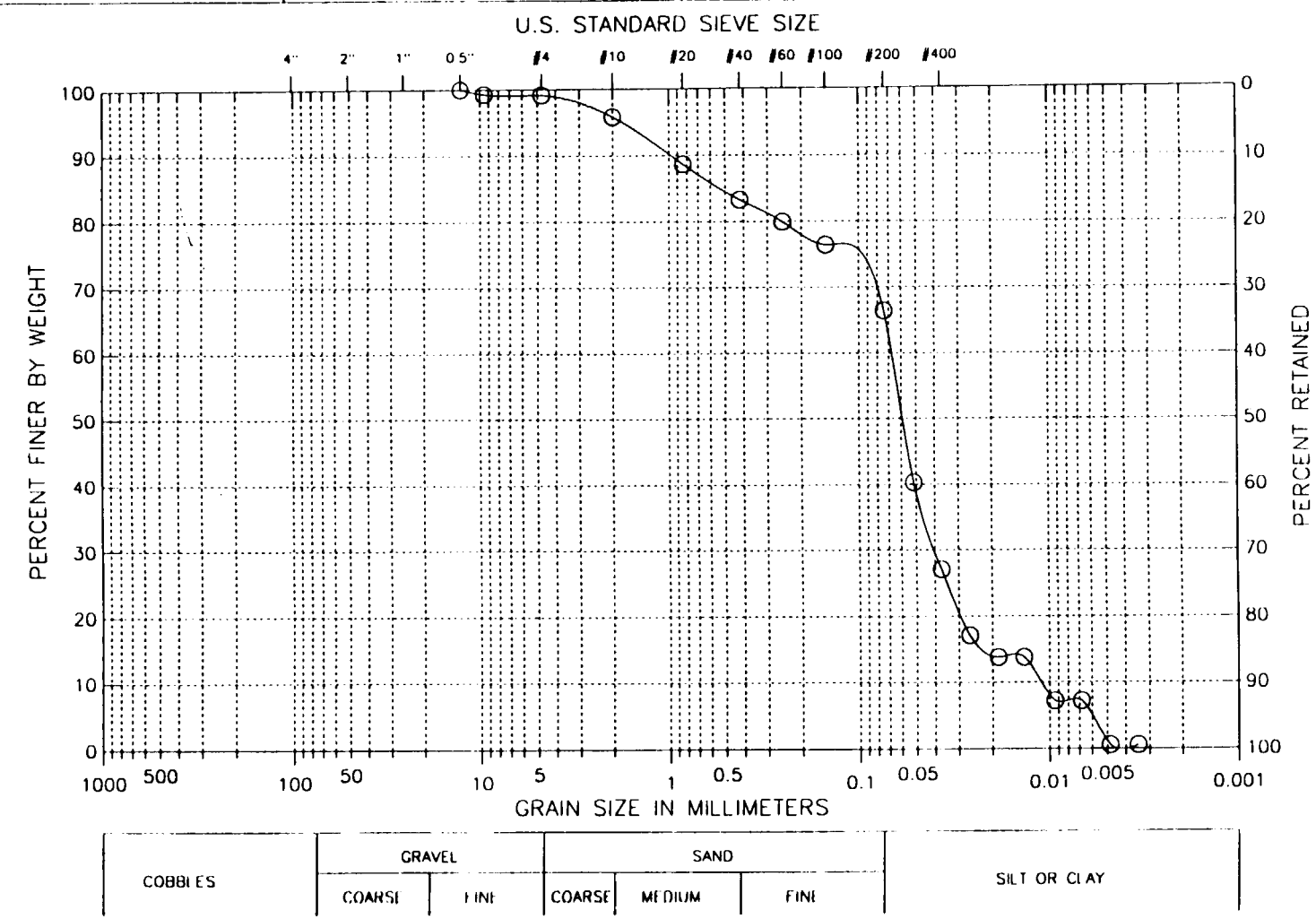
Total Dry Weight of Sample = 146.03

D85 : 0.1615 mm
D60 : 0.0812 mm
D50 : 0.0622 mm
D30 : 0.0332 mm
D15 : 0.0055 mm
D10 : 0.0003 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

APB-SD-2034-01

	Boring No. : - - -	Project : Tetra Tech NUS; Centerdale; N0191
	Sample No.: D00981	Project No.: GTX-2607
	Test Method ASTM D 422	Location: Centerdale, RI
	Filename : 981	Date : Fri Dec 03 1999



Classification

Remarks

Visual Description :
Wet, very dark gray sandy organic silt

Figure 35

APB-SD-2034-01

Fri Dec 03 14:50:13 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : [illegible]
Location : Centerdale, RI
Soil Description : Wet, very dark gray sandy organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 981
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 14.48 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature deg. C	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	12.00	20.00	6.08	0.052	40	0.052
2.00	10.00	20.00	4.08	0.037	27	0.037
4.00	8.50	20.00	2.58	0.026	17	0.026
8.00	8.00	20.00	2.08	0.019	14	0.019
15.00	8.00	20.00	2.08	0.014	14	0.014
32.00	7.00	20.00	1.08	0.009	7	0.009
61.00	7.00	20.00	1.08	0.007	7	0.007
122.00	6.00	20.00	0.08	0.005	1	0.005
240.00	6.00	20.00	0.08	0.003	1	0.003

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.5"	0.500	12.70	0.00	0.00	100
0.375"	0.374	9.51	0.11	0.11	99
#4	0.187	4.75	0.02	0.13	99
#10	0.079	2.00	0.50	0.63	96
#20	0.033	0.84	1.08	1.71	89
#40	0.017	0.42	0.81	2.52	83
#60	0.010	0.25	0.51	3.03	80
#100	0.006	0.15	0.53	3.56	76
#200	0.003	0.07	1.52	5.08	66
Pan			10.03	15.11	0

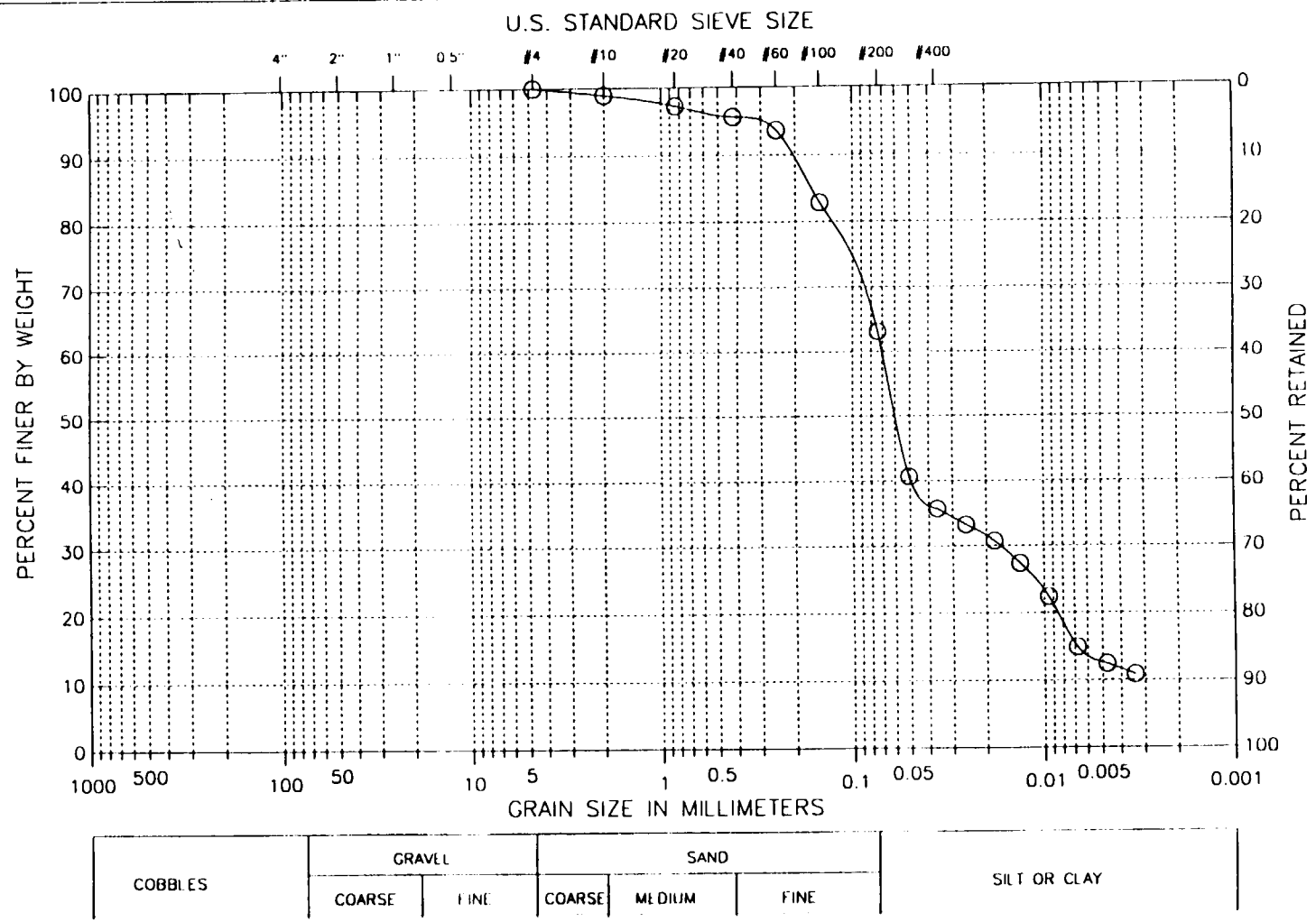
Total Dry Weight of Sample = 135.16

D85 : 0.5219 mm
D60 : 0.0678 mm
D50 : 0.0590 mm
D30 : 0.0398 mm
D15 : 0.0212 mm
D10 : 0.0110 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

APC-SD-2035-000.5-01

Boring No. : - - -	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00983	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 985	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, black sandy organic silt

Figure 37

APC-SD-2035-000.5-01

Fri Dec 03 14:50:23 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : I00983
Location : Centerdale, RI
Soil Description : Wet, black sandy organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 983
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 13.94 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	12.00	21.50	8.18	0.051	41	0.051
2.00	11.00	21.50	7.18	0.036	36	0.036
4.00	10.50	21.50	6.68	0.026	33	0.026
8.00	10.00	21.50	6.18	0.018	31	0.018
15.00	9.50	21.00	5.50	0.013	27	0.013
30.00	8.50	21.00	4.50	0.009	22	0.009
60.00	7.00	21.00	3.00	0.007	15	0.007
123.00	6.50	21.00	2.50	0.005	12	0.005
240.00	6.00	21.50	2.18	0.003	11	0.003

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.20	0.20	99
#20	0.033	0.84	0.32	0.52	97
#40	0.017	0.42	0.32	0.84	96
#60	0.010	0.25	0.38	1.22	94
#100	0.006	0.15	2.06	3.28	83
#200	0.003	0.07	3.79	7.07	63
Pan			12.10	19.17	0

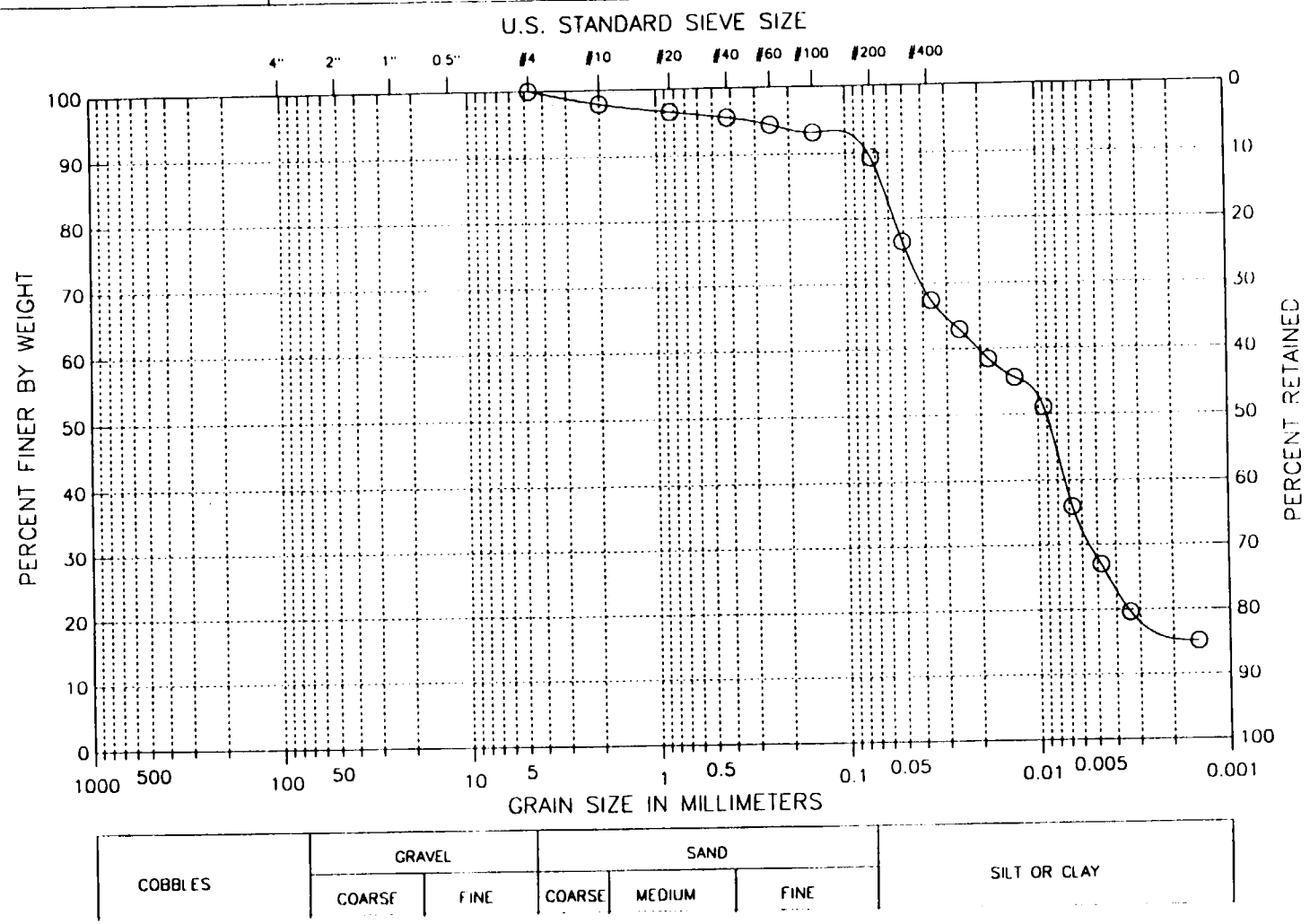
Total Dry Weight of Sample = 137.61

D85 : 0.1649 mm
D60 : 0.0702 mm
D50 : 0.0593 mm
D30 : 0.0170 mm
D15 : 0.0068 mm
D10 : 0.0028 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

APC-DU-110399B

	Boring No. : - Sample No.: D00987 Test Method ASTM D 422 Filename : 987	Project : Tetra Tech NUS; Centerdale; N0191 Project No.: GTX-2607 Location: Centerdale, RI Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, black organic silt

Figure 38

APC-DU-110399B

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : 200997
Location : Centerdale, RI
Soil Description : Wet, black organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 997
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 187525
Weight of air-dried soil = 10.91 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	12.50	21.00	8.50	0.051	76	0.051
2.00	11.50	21.00	7.50	0.036	67	0.036
4.00	11.00	21.00	7.00	0.026	63	0.026
8.00	10.50	21.00	6.50	0.018	58	0.018
15.00	10.00	21.50	6.18	0.013	56	0.013
30.00	9.50	21.50	5.68	0.009	51	0.009
60.00	8.00	21.00	4.00	0.007	36	0.007
120.00	7.00	21.00	3.00	0.005	27	0.005
240.00	6.00	21.50	2.18	0.003	20	0.003
1318.00	6.00	20.00	1.68	0.001	15	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.23	0.23	98
#20	0.033	0.84	0.15	0.38	97
#40	0.017	0.42	0.11	0.49	96
#60	0.010	0.25	0.13	0.62	94
#100	0.006	0.15	0.14	0.76	93
#200	0.003	0.07	0.43	1.19	89
Pan			9.95	11.14	0

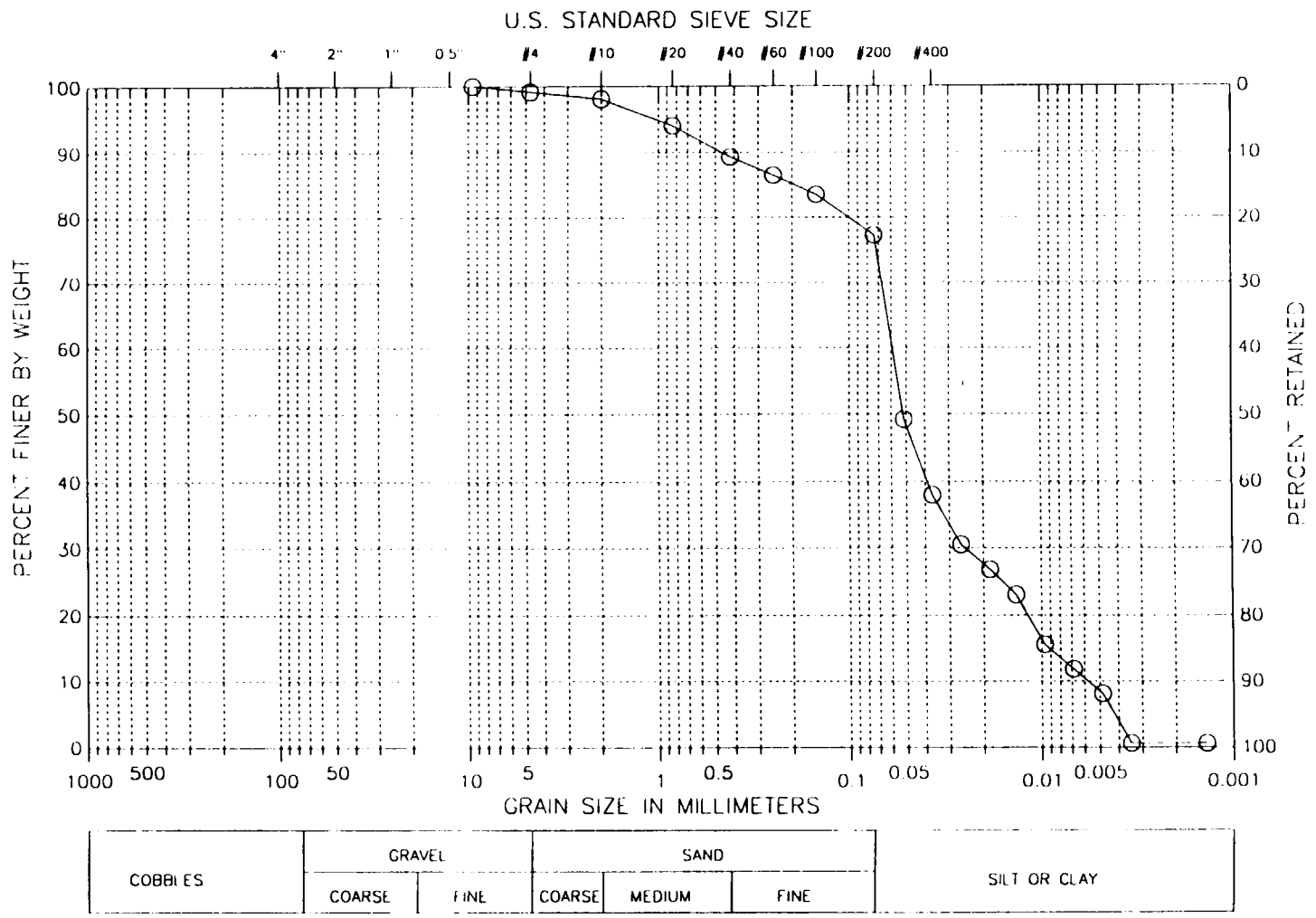
Total Dry Weight of Sample = 133.97

D85 : 0.0653 mm
D60 : 0.0205 mm
D50 : 0.0092 mm
D30 : 0.0054 mm
D15 : N/A
D10 : N/A

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

APC - SD - 2036-01

Boring No. :	Project : Tetra Tech NUS, Centerdale; N0191
Sample No: D00982	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 982	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, black sandy organic silt

Figure 36

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00982
Location : Centerdale, RI
Soil Description : Wet, black sandy organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 982
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 13.14 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	12.50	20.00	6.58	0.051	49	0.051
2.00	11.00	20.00	5.08	0.037	38	0.037
4.00	10.00	20.00	4.08	0.026	31	0.026
8.00	9.50	20.00	3.58	0.019	27	0.019
15.00	9.00	20.00	3.08	0.014	23	0.014
30.00	8.00	20.00	2.08	0.010	16	0.010
60.00	7.50	20.00	1.58	0.007	12	0.007
120.00	7.00	20.00	1.08	0.005	8	0.005
240.00	6.00	20.00	0.08	0.003	1	0.003
1485.00	6.00	20.00	0.08	0.001	1	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.11	0.11	99
#10	0.079	2.00	0.14	0.25	98
#20	0.033	0.84	0.54	0.79	94
#40	0.017	0.42	0.64	1.43	89
#60	0.010	0.25	0.38	1.81	86
#100	0.006	0.15	0.40	2.21	83
#200	0.003	0.07	0.83	3.04	77
Pan			10.35	13.39	0

Total Dry Weight of Sample = 138.73

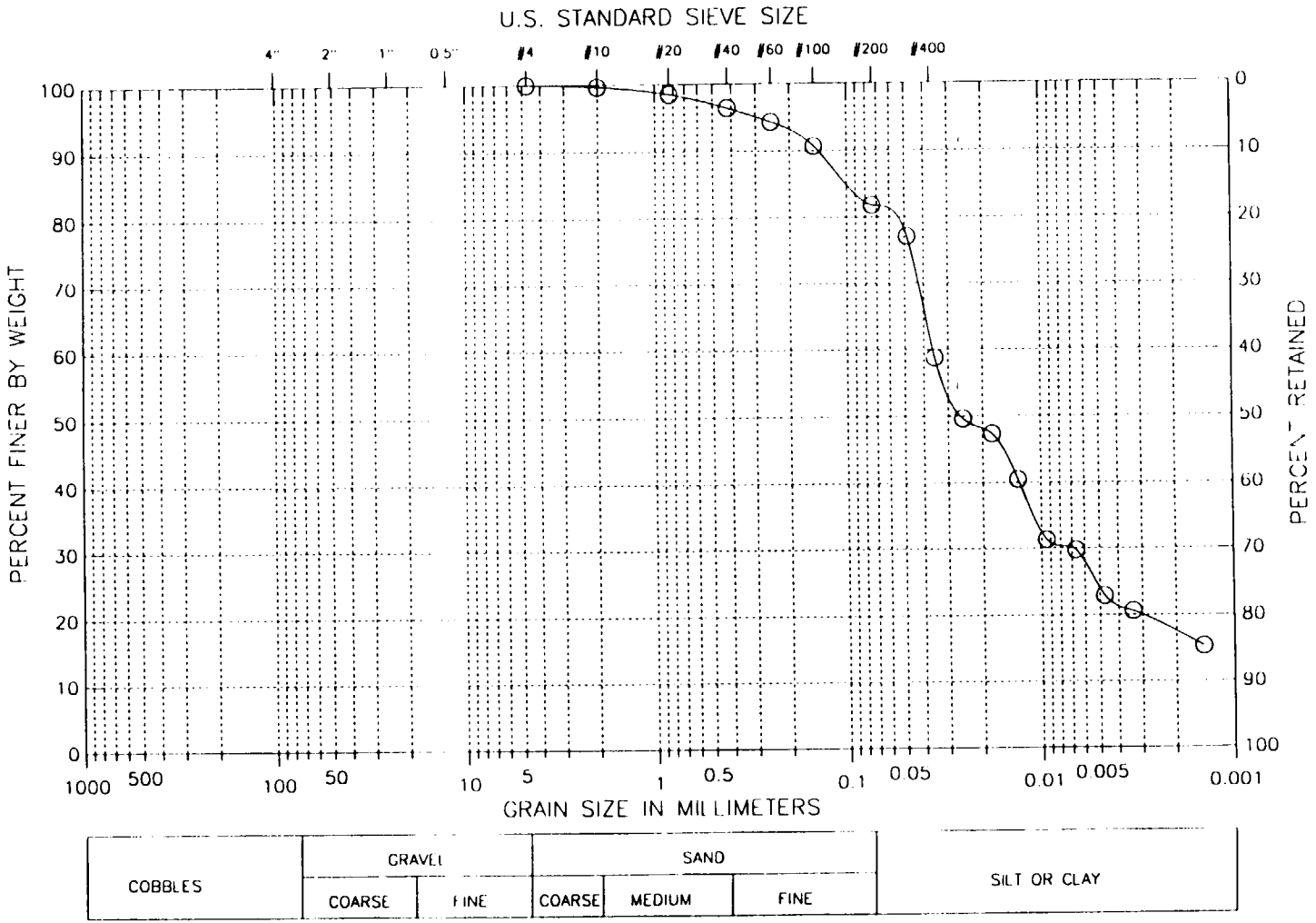
D85 : 0.1934 mm
D60 : 0.0592 mm
D50 : 0.0520 mm
D30 : 0.0249 mm
D15 : 0.0092 mm
D10 : 0.0058 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

APB-SD-2037-01

Boring No. : -
Sample No.: D00882
Test Method ASTM D 422
Filename : 882

Project : Tetra Tech NUS; Centerdale; N0191
Project No.: GTX-2607
Location: Centerdale, RI
Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, very dark brown silt with sand and organics

Figure 2

APB-SD-2037-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00882
Location : Centerdale, RI
Soil Description : Wet, very dark brown silt with sand and organics
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 882
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 21.8 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	21.00	20.50	16.84	0.049	77	0.049
2.00	17.00	20.50	12.84	0.035	59	0.035
4.00	15.00	20.50	10.84	0.025	50	0.025
8.00	14.50	20.50	10.34	0.018	47	0.018
15.00	13.00	20.50	8.84	0.013	40	0.013
30.00	11.00	20.50	6.84	0.009	31	0.009
60.00	10.50	21.00	6.50	0.007	30	0.007
120.00	9.00	21.00	5.00	0.005	23	0.005
240.00	8.50	21.00	4.50	0.003	21	0.003
1326.00	7.50	20.50	3.34	0.001	15	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Sieve Openings Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.07	0.07	100
#20	0.033	0.84	0.24	0.31	99
#40	0.017	0.42	0.43	0.74	96
#60	0.010	0.25	0.44	1.18	94
#100	0.006	0.15	0.76	1.94	91
#200	0.003	0.07	1.86	3.80	82
Pan			17.07	20.87	0

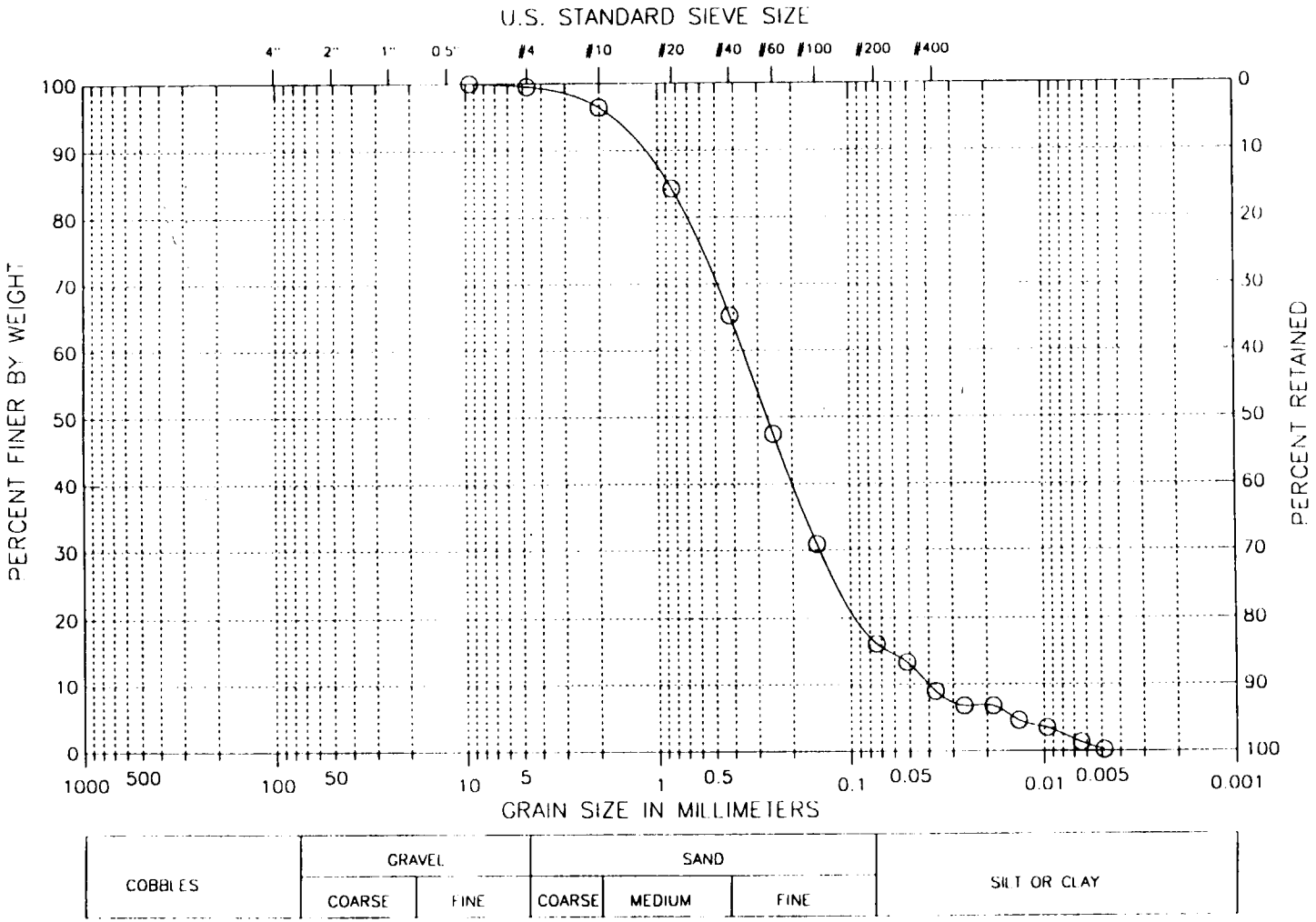
Total Dry Weight of Sample = 144.53

D85 : 0.0952 mm
D60 : 0.0360 mm
D50 : 0.0256 mm
D30 : 0.0070 mm
D15 : N/A
D10 : N/A

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

WRL-SD-2038-01

Boring No. : ---	Project : Tetra Tech NUS, Centerdale; N0191
Sample No.: D00889	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 889	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Moist, dark brown silty sand

Figure 1

WRL-SD-2038-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; RI191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00889
Location : Centerdale, RI
Soil Description : Moist, dark brown silty sand
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 889
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 44.06 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	12.00	20.00	6.08	0.052	13	0.052
2.00	10.00	20.00	4.08	0.037	9	0.037
4.00	9.00	20.00	3.08	0.026	7	0.026
8.00	9.00	20.00	3.08	0.019	7	0.019
15.00	8.00	20.00	2.08	0.014	5	0.014
30.00	7.50	20.00	1.58	0.010	3	0.010
69.00	6.50	20.00	0.58	0.006	1	0.006
120.00	6.00	20.00	0.08	0.005	0	0.005

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.22	0.22	100
#10	0.079	2.00	1.42	1.64	96
#20	0.033	0.84	5.54	7.18	84
#40	0.017	0.42	8.71	15.89	65
#60	0.010	0.25	8.13	24.02	47
#100	0.006	0.15	7.57	31.59	31
#200	0.003	0.07	6.74	38.33	16
Pan			7.37	45.70	0

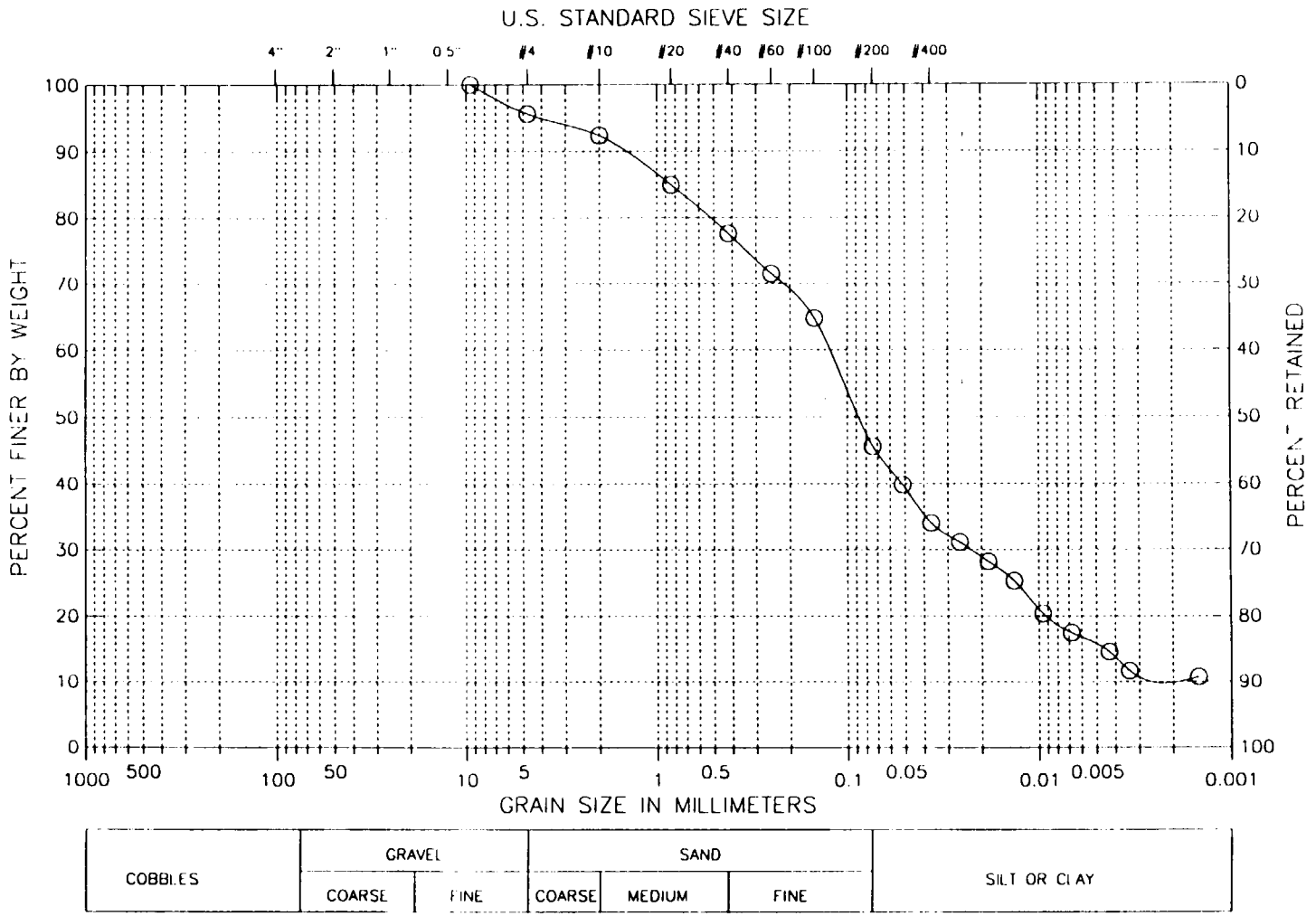
Total Dry Weight of Sample = 159.91

D85 : 0.8848 mm
D60 : 0.3606 mm
D50 : 0.2694 mm
D30 : 0.1429 mm
D15 : 0.0640 mm
D10 : 0.0401 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

WRL - SD - 2039 - 01

Boring No. :	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00888	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 888	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, black silty sand with organics

Figure 6

WRL - SD - 2039 - 01

WRL-SD-2039-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00888
Location : Centerdale, RI
Soil Description : Wet, black silty sand with organics
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 888
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 15.88 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	11.00	20.50	6.84	0.052	40	0.052
2.00	10.00	20.50	5.84	0.037	34	0.037
4.00	9.50	20.50	5.34	0.026	31	0.026
8.00	9.00	20.50	4.84	0.018	28	0.018
15.00	8.50	20.50	4.34	0.014	25	0.014
30.00	7.50	21.00	3.50	0.010	20	0.010
60.00	7.00	21.00	3.00	0.007	17	0.007
149.00	6.50	21.00	2.50	0.004	15	0.004
243.00	6.00	21.00	2.00	0.003	12	0.003
1290.00	6.00	20.50	1.84	0.001	11	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.75	0.75	96
#10	0.079	2.00	0.56	1.31	92
#20	0.033	0.84	1.28	2.59	85
#40	0.017	0.42	1.26	3.85	78
#60	0.010	0.25	1.05	4.90	71
#100	0.006	0.15	1.16	6.06	65
#200	0.003	0.07	3.29	9.35	46
Pan			7.84	17.19	0

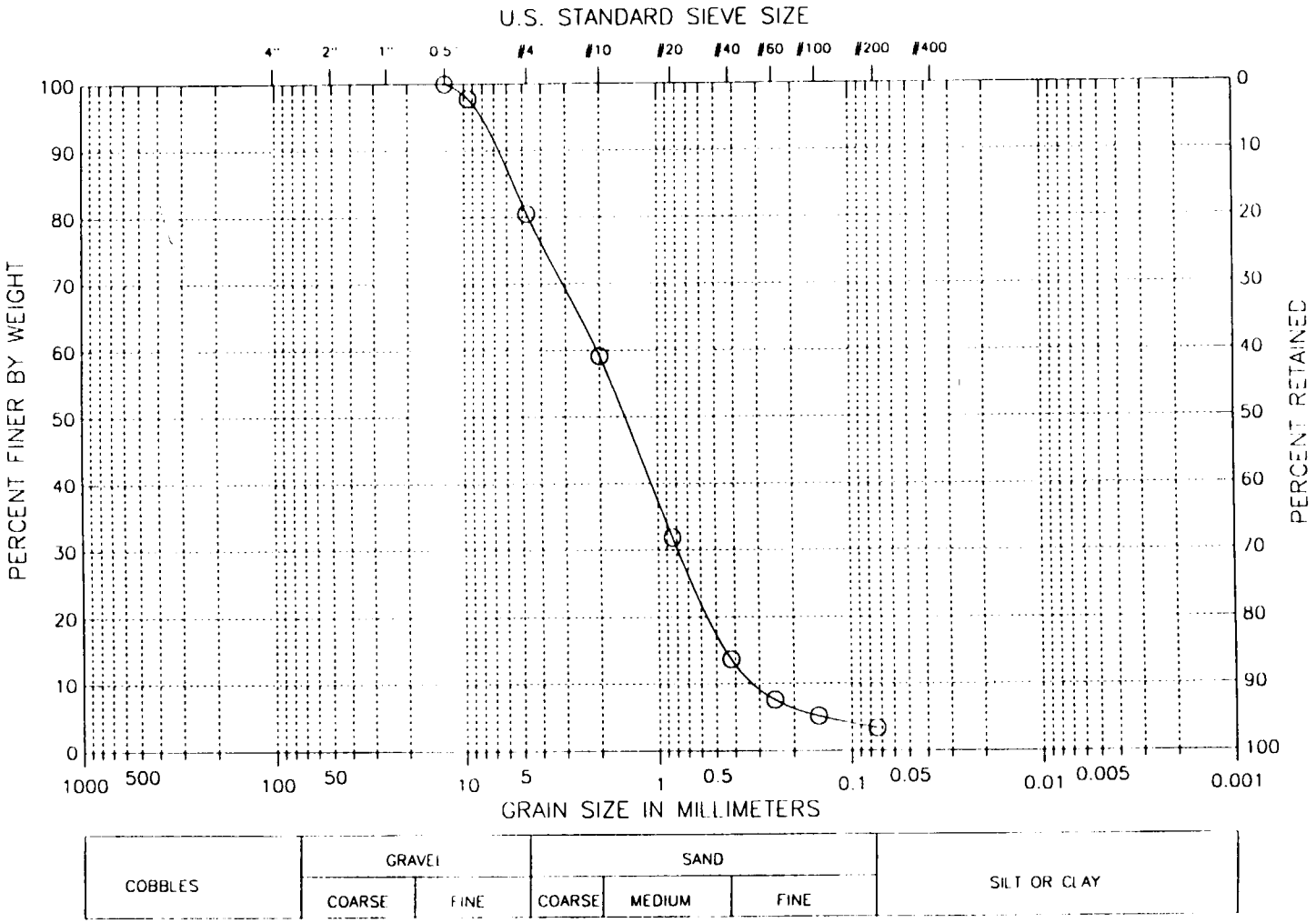
Total Dry Weight of Sample = 134.24

D85 : 0.8476 mm
D60 : 0.1253 mm
D50 : 0.0869 mm
D30 : 0.0228 mm
D15 : 0.0046 mm
D10 : 0.0008 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

WRL-SD-2040-01

Boring No. :	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00885	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 885	Date : Fri Dec 03 1999



Classification :
(SP) Poorly graded sand with gravel
Visual Description :
Moist, dark yellowish brown sand with some gravel

Remarks :
Hydrometer not required, fines < 10%

Figure 3

WRL-SD-2040-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; RI191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00885
Location : Centerdale, RI
Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 885
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

Soil Description : Moist, dark yellowish brown sand with some gravel
Remarks : Hydrometer not required, fines < 10%

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.5"	0.500	12.70	0.00	0.00	100
0.375"	0.374	9.51	1.31	1.31	98
#4	0.187	4.75	10.18	11.49	80
#10	0.079	2.00	12.58	24.07	59
#20	0.033	0.84	16.07	40.14	32
#40	0.017	0.42	10.71	50.85	14
#60	0.010	0.25	3.59	54.44	8
#100	0.006	0.15	1.43	55.87	5
#200	0.003	0.07	1.05	56.92	3
Pan			1.97	58.89	0

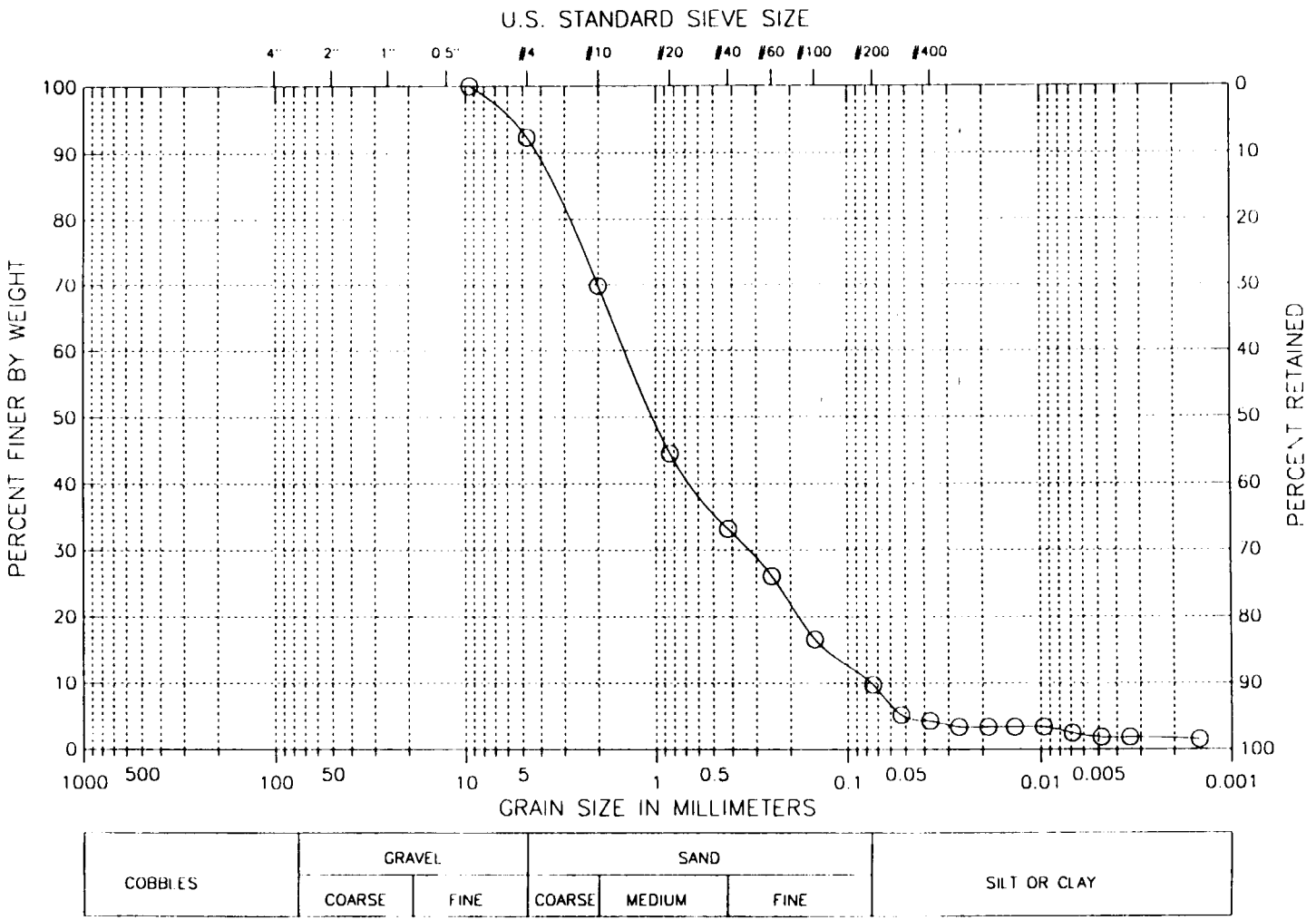
Total Dry Weight of Sample = 185.89

D85 : 5.6933 mm
D60 : 2.0719 mm
D50 : 1.4969 mm
D30 : 0.7840 mm
D15 : 0.4422 mm
D10 : 0.3078 mm

Soil Classification
ASTM Group Symbol : SP
ASTM Group Name : Poorly graded sand with gravel
AASHTO Group Symbol : A-1-b(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand

WRL - DU - 102599.4

Boring No. : ---	Project : Tetra Tech NUS; Centerdale; N0191
Sample No: D00886	Project No : GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 886	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Moist, yellowish brown sand with silt

Figure 4

WRL - DU - 102599A

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00886
Location : Centerdale, RI
Soil Description : Moist, yellowish brown sand with silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 886
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 38.41 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	7.00	20.50	2.84	0.053	5	0.053
2.00	6.50	20.50	2.34	0.037	4	0.037
4.00	6.00	20.50	1.84	0.027	3	0.027
8.00	6.00	20.50	1.84	0.019	3	0.019
15.00	6.00	20.50	1.84	0.014	3	0.014
30.00	6.00	20.50	1.84	0.010	3	0.010
60.00	5.50	20.50	1.34	0.007	2	0.007
120.00	5.00	21.00	1.00	0.005	2	0.005
240.00	5.00	21.00	1.00	0.003	2	0.003
1308.00	5.00	20.50	0.84	0.001	2	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	4.20	4.20	92
#10	0.079	2.00	12.41	16.61	70
#20	0.033	0.84	13.92	30.53	45
#40	0.017	0.42	6.26	36.79	33
#60	0.010	0.25	3.88	40.67	26
#100	0.006	0.15	5.23	45.90	17
#200	0.003	0.07	3.77	49.67	10
Pan			5.35	55.02	0

Total Dry Weight of Sample = 172.2

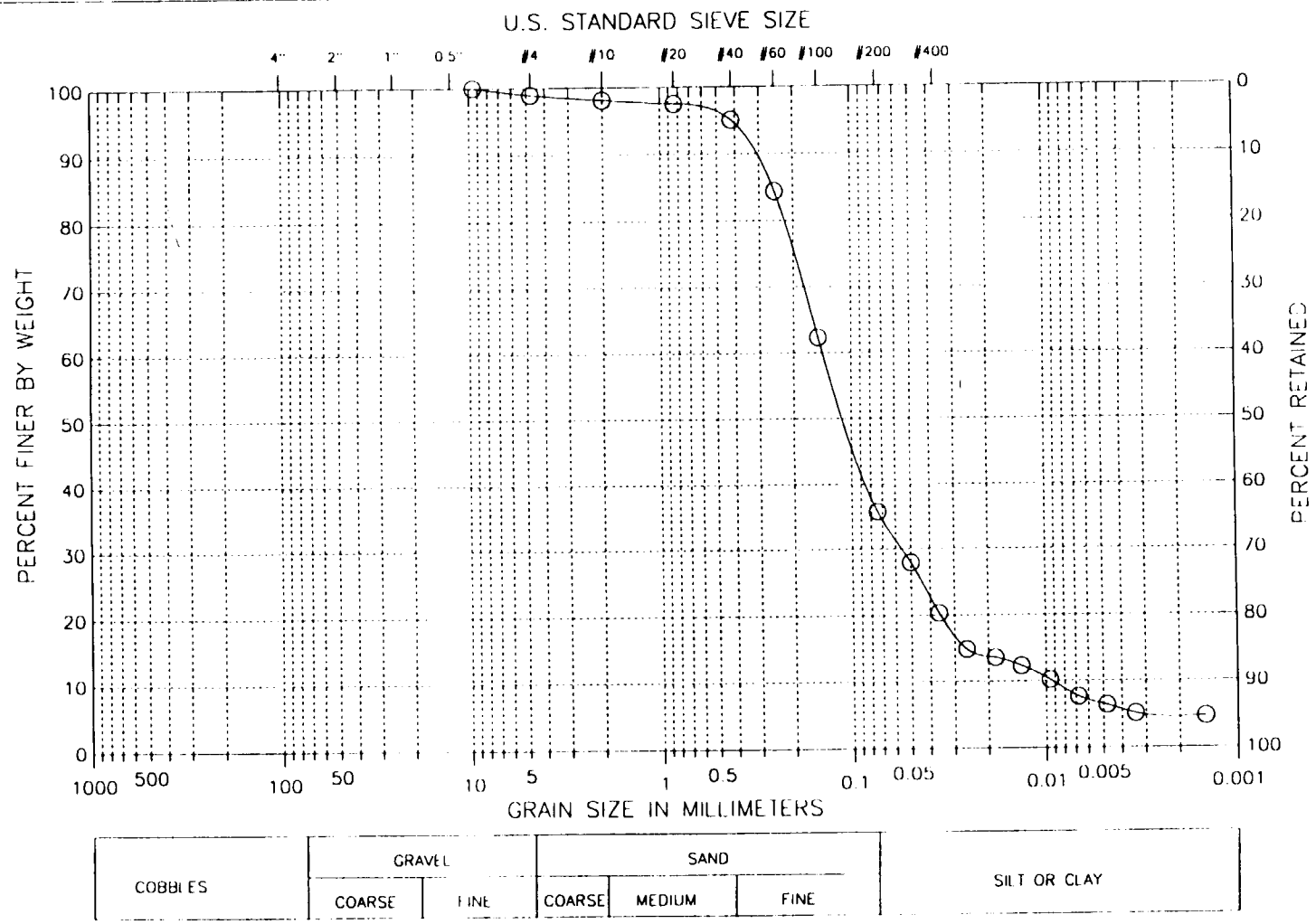
D85 : 3.5810 mm
D60 : 1.4293 mm
D50 : 1.0149 mm
D30 : 0.3335 mm
D15 : 0.1268 mm
D10 : 0.0761 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-1-b(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand

WRL - SD-2041-01

Boring No. :
Sample No.: D00887
Test Method ASTM D 422
Filename : 887

Project : Tetra Tech NUS, Centerdale; N0191
Project No.: GTX 2607
Location: Centerdale, RI
Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, very dark gray silty fine sand

Figure 5

WRL-SD-2041-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : 200887
Location : Centerdale, RI
Soil Description : Wet, very dark gray silty fine sand
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 887
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 38.67 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	15.00	21.00	11.00	0.050	28	0.050
2.00	12.00	21.00	8.00	0.036	20	0.036
4.00	10.00	20.50	5.84	0.026	15	0.026
8.00	9.50	20.50	5.34	0.018	14	0.018
15.00	9.00	20.50	4.84	0.013	12	0.013
30.00	8.00	21.00	4.00	0.010	10	0.010
60.00	7.00	21.00	3.00	0.007	8	0.007
120.00	6.50	21.00	2.50	0.005	6	0.005
240.00	6.00	21.00	2.00	0.003	5	0.003
1299.00	6.00	20.50	1.84	0.001	5	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.43	0.43	99
#10	0.079	2.00	0.32	0.75	98
#20	0.033	0.84	0.24	0.99	97
#40	0.017	0.42	0.95	1.94	95
#60	0.010	0.25	4.21	6.15	84
#100	0.006	0.15	8.70	14.85	62
#200	0.003	0.07	10.48	25.33	36
Pan			14.09	39.42	0

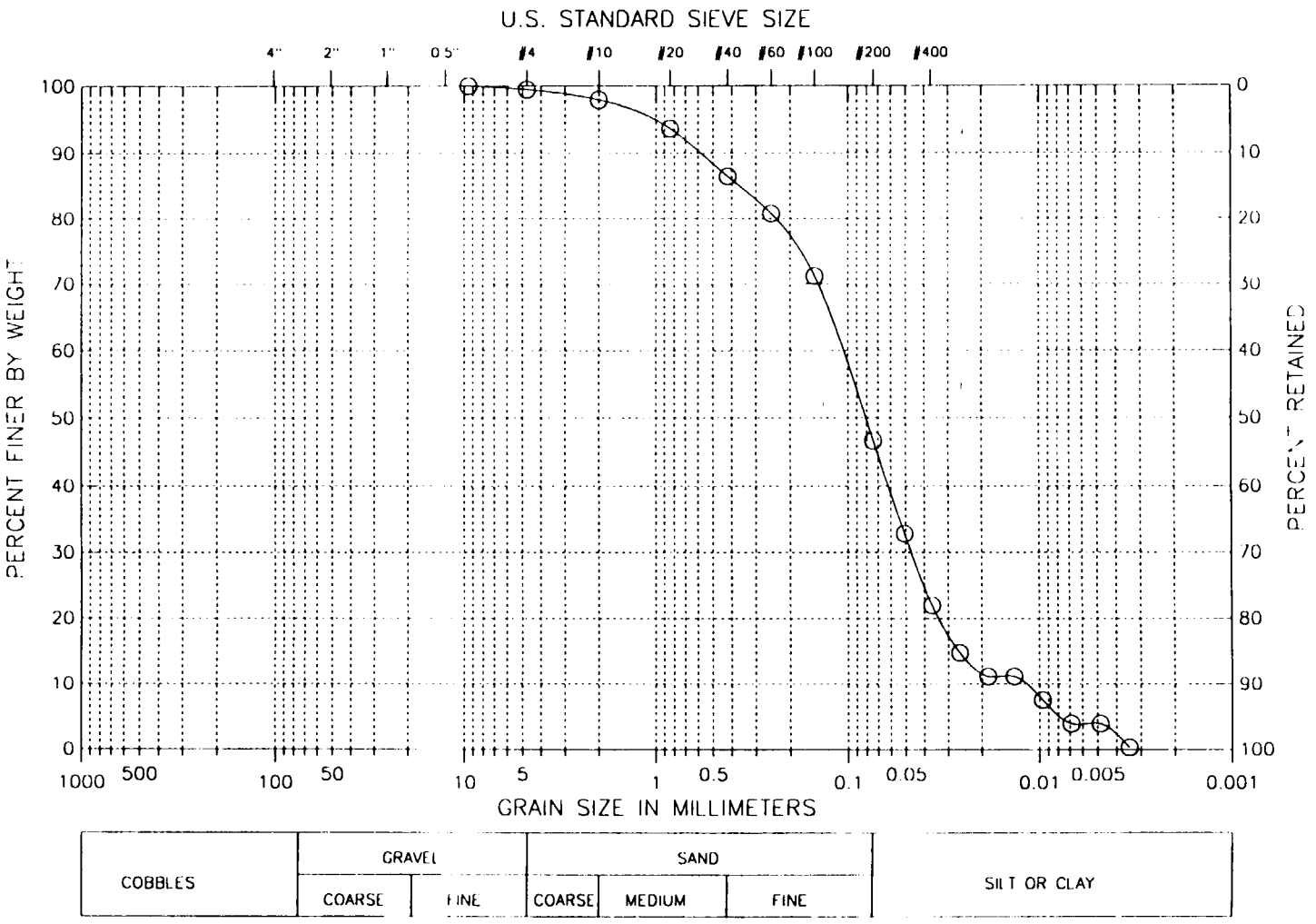
Total Dry Weight of Sample = 154.57

D85 : 0.2574 mm
D60 : 0.1401 mm
D50 : 0.1077 mm
D30 : 0.0556 mm
D15 : 0.0262 mm
D10 : 0.0093 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

WRL-SD-2042-01

Boring No. :	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D00974	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 974	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, dark gray silty sand with organics

Figure 34

WRL-SD-2042-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00974
Location : Centerdale, RI
Soil Description : Wet, dark gray silty sand with organics
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 974
Elevation : ---
Tested By : NJH/MED
Checked By : GTT

HYDROMETER

Hydrometer ID : 87130
Weight of air-dried soil = 27.12 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	15.00	20.00	9.08	0.051	33	0.051
2.00	12.00	20.00	6.08	0.037	22	0.037
4.00	10.00	20.00	4.08	0.026	15	0.026
8.00	9.00	20.00	3.08	0.019	11	0.019
15.00	9.00	20.00	3.08	0.014	11	0.014
30.00	8.00	20.00	2.08	0.010	8	0.010
60.00	7.00	20.00	1.08	0.007	4	0.007
120.00	7.00	20.00	1.08	0.005	4	0.005
240.00	6.00	20.00	0.08	0.003	0	0.003

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.15	0.15	99
#10	0.079	2.00	0.42	0.57	98
#20	0.033	0.84	1.18	1.75	94
#40	0.017	0.42	2.00	3.75	86
#60	0.010	0.25	1.57	5.32	81
#100	0.006	0.15	2.66	7.98	71
#200	0.003	0.07	6.79	14.77	47
Pan			12.92	27.69	0

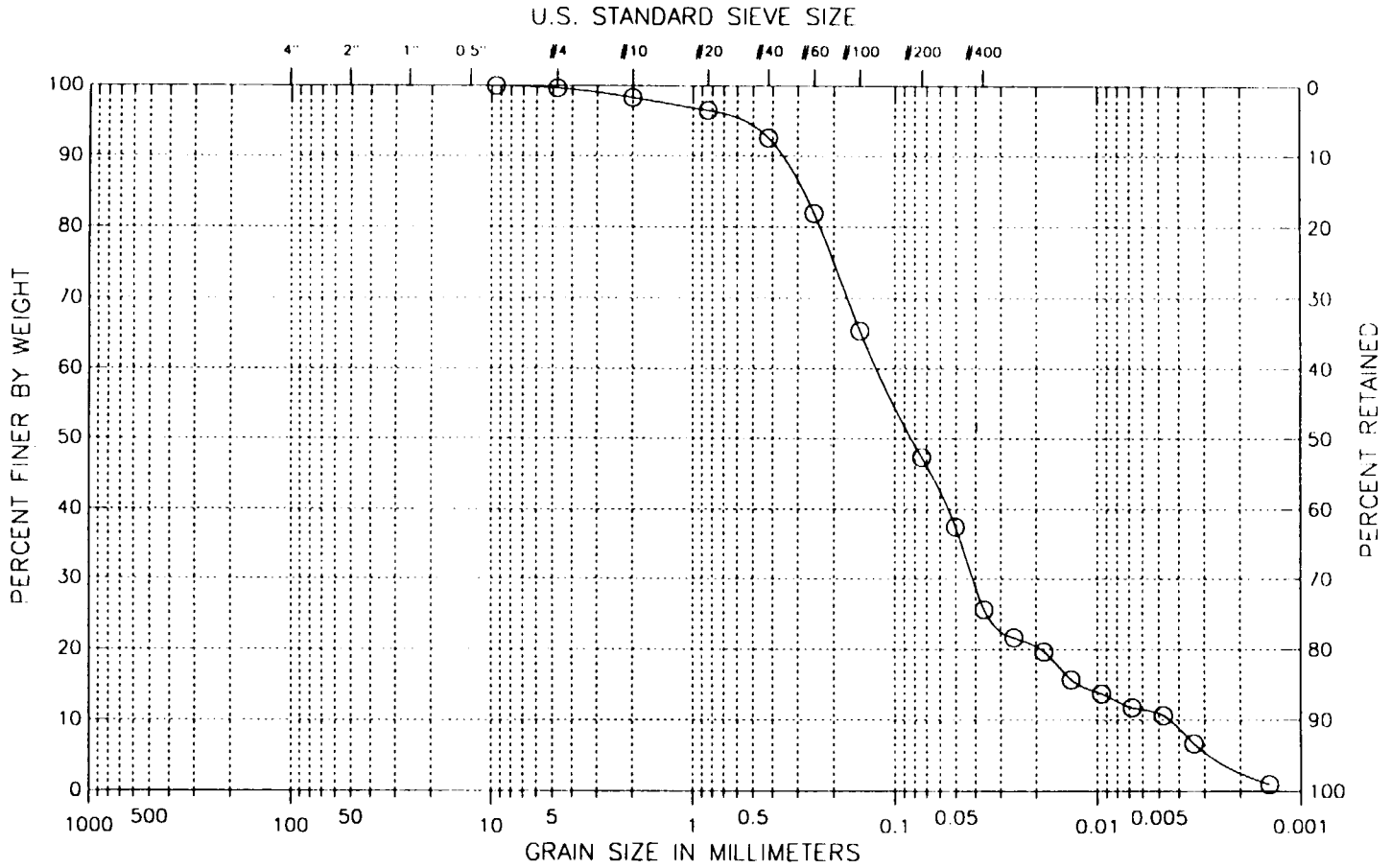
Total Dry Weight of Sample = 155.68

D85 : 0.3676 mm
D60 : 0.1083 mm
D50 : 0.0814 mm
D30 : 0.0466 mm
D15 : 0.0264 mm
D10 : 0.0122 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

WRL - SD - 2043-01

Boring No. :	Project : Tetra Tech NUS; N0400
Sample No.: D01009	Project No.: GIX 2632
Test Method ASTM D 422	Location:
Filename : 01009	Date : Thu Dec 16 1999



Classification :

Remarks :

Visual Description :

Wet, black silty sand with organics

Figure 1

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04

NRL-SD-2043-01

Thu Dec 16 12:47:22 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; N0400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01009
Location : ---
Soil Description : Wet, black silty sand with organics
Remarks : ---

Depth : ---
Test Date : 12/08/99
Test Method : ASTM D 422

Filename : D1009
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT

HYDROMETER

Hydrometer ID : 583901
Weight of air-dried soil = 24.84 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	16.00	20.00	9.46	0.050	37	0.050
2.00	13.00	20.00	6.46	0.036	26	0.036
4.00	12.00	20.00	5.46	0.026	22	0.026
8.00	11.50	20.00	4.96	0.018	20	0.018
15.00	10.50	20.00	3.96	0.013	16	0.013
30.00	10.00	20.00	3.46	0.010	14	0.010
60.00	9.50	20.00	2.96	0.007	12	0.007
120.00	9.00	20.50	2.68	0.005	11	0.005
240.00	8.00	20.50	1.68	0.003	7	0.003
1388.00	7.00	19.50	0.24	0.001	1	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.09	0.09	100
#10	0.079	2.00	0.34	0.43	98
#20	0.033	0.84	0.47	0.90	96
#40	0.017	0.42	0.98	1.88	93
#60	0.010	0.25	2.69	4.57	82
#100	0.006	0.15	4.18	8.75	65
#200	0.003	0.07	4.56	13.31	47
Pan			11.96	25.27	0

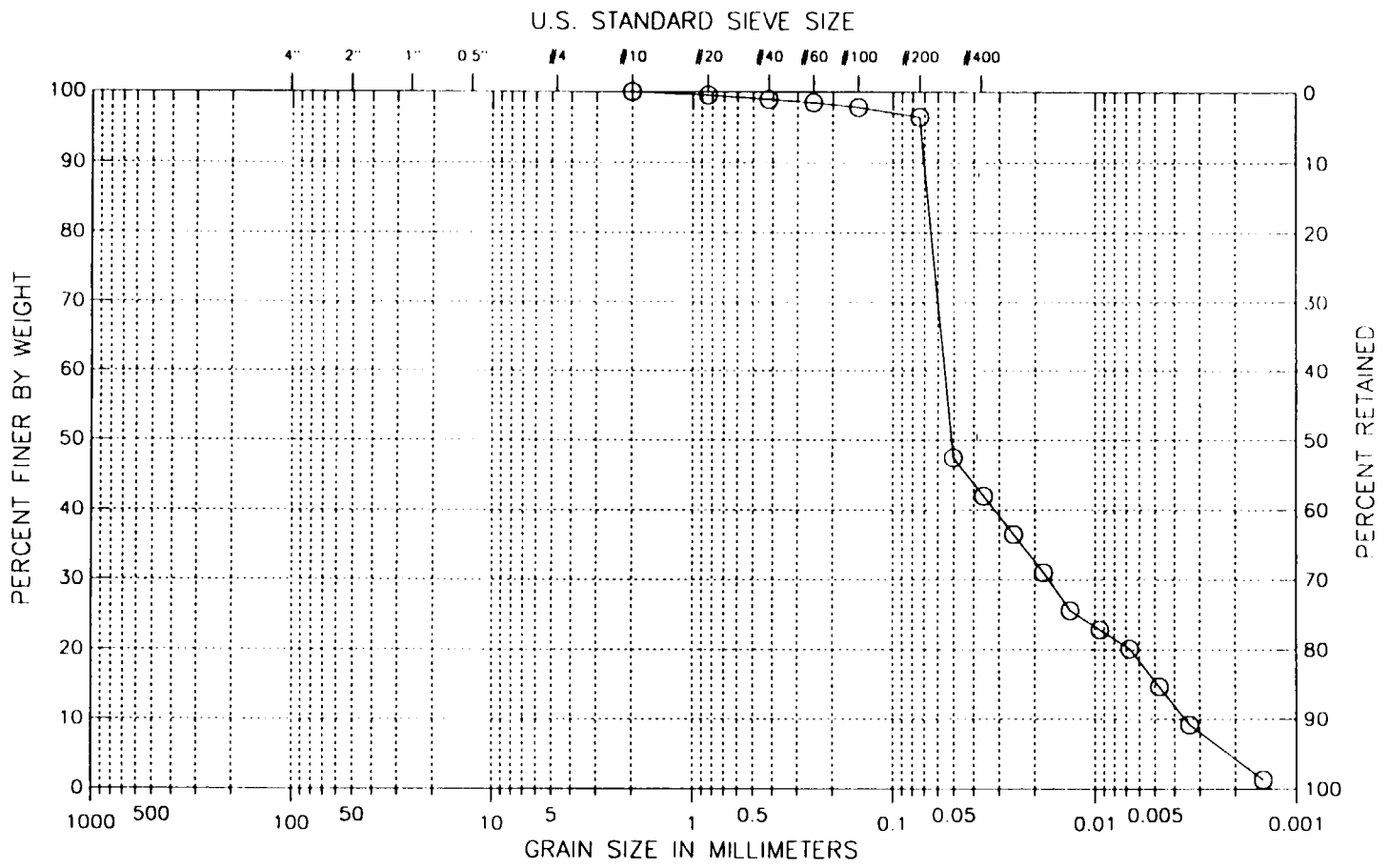
Total Dry Weight of Sample = 150.82

D85 : 0.2906 mm
D60 : 0.1210 mm
D50 : 0.0821 mm
D30 : 0.0410 mm
D15 : 0.0119 mm
D10 : 0.0045 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

WRL-SD-2044-000.5-a

Boring No. :	Project : Tetra Tech NUS; N0400
Sample No.: D01032	Project No.: GIX 2632
Test Method ASTM D 422	Location: - - -
Filename : 01032	Date : Thu Dec 16 1999



Classification :

Remarks :
- - -

Visual Description :
Wet, black organic silt

Figure 7

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Thu Dec 16 12:47:22 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; N0400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01032
Location : ---
Soil Description : Wet, black organic silt
Remarks : ---

Depth : ---
Test Date : 12/08/99
Test Method : ASTM D 422

Filename : D1032
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT

WRL-SD-2044-000.5-01

HYDROMETER

Hydrometer ID : 583901
Weight of air-dried soil = 18.31 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	15.00	20.50	9.68	0.050	47	0.050
2.00	14.00	20.50	7.68	0.036	42	0.036
4.00	13.00	20.50	6.68	0.026	37	0.026
8.00	12.00	20.50	5.68	0.018	31	0.018
15.00	11.00	20.50	4.68	0.013	26	0.013
30.00	10.50	20.50	4.18	0.009	23	0.009
60.00	10.00	20.50	3.68	0.007	20	0.007
120.00	9.00	20.50	2.68	0.005	15	0.005
242.00	8.00	20.50	1.68	0.003	9	0.003
1336.00	7.00	19.50	0.24	0.001	1	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Sieve Openings Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#10	0.079	2.00	0.00	0.00	100
#20	0.033	0.84	0.09	0.09	100
#40	0.017	0.42	0.11	0.20	99
#60	0.010	0.25	0.08	0.28	98
#100	0.006	0.15	0.12	0.40	98
#200	0.003	0.07	0.25	0.65	96
Pan			17.66	18.31	0

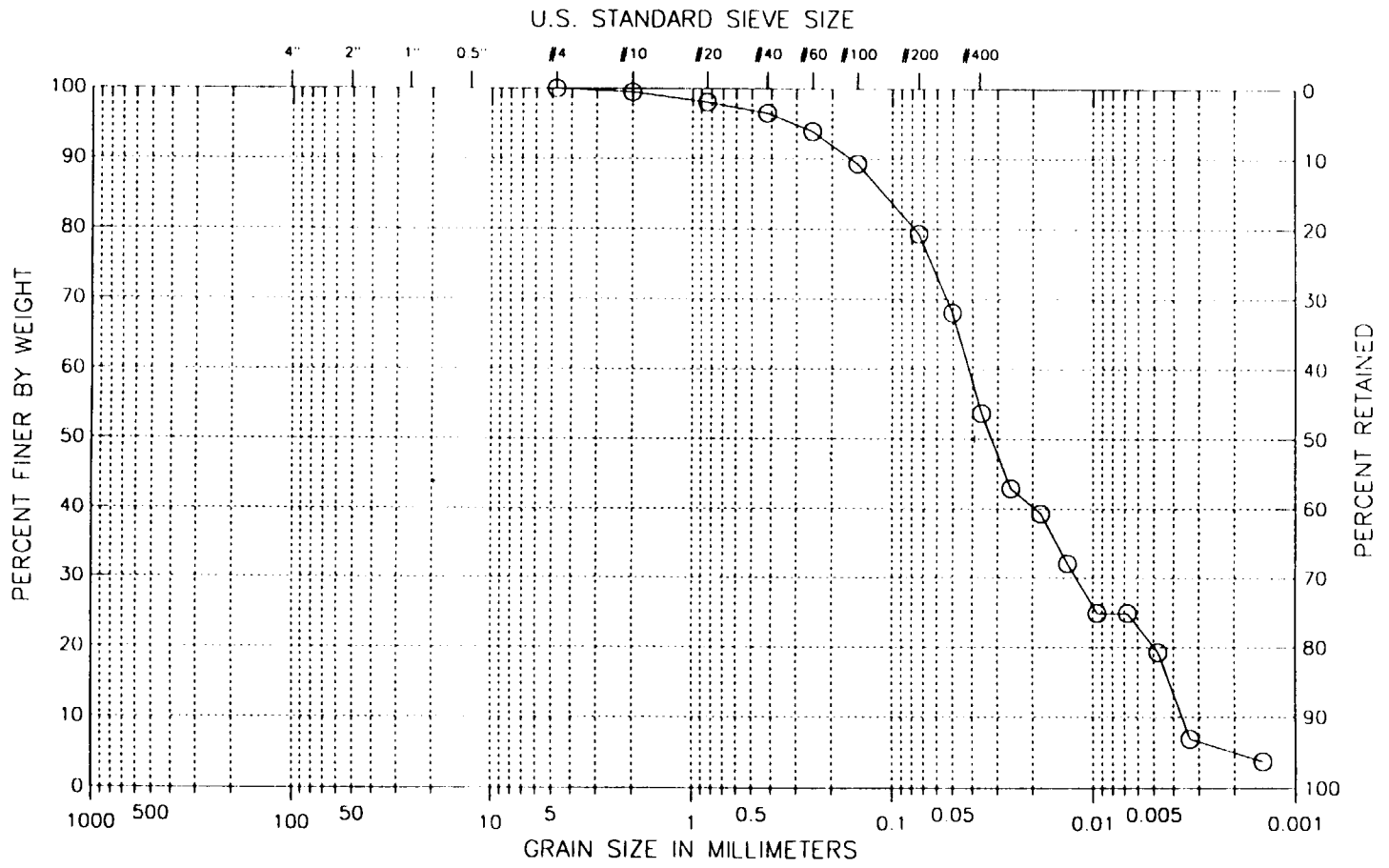
Total Dry Weight of Sample = 135.9

D85 : 0.0677 mm
D60 : 0.0556 mm
D50 : 0.0514 mm
D30 : 0.0171 mm
D15 : 0.0049 mm
D10 : 0.0036 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

LPX - SD-2045-01

Boring No. :	Project : Tetra Tech NUS, N0400
Sample No.: D01016	Project No.: GIX 2632
Test Method ASTM D 422	Location:
Filename : 01016	Date : Thu Dec 16 1999



Classification :

Remarks :

Visual Description :
Wet, black organic silt with sand

Figure 3

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03

LPX-SD-2045-01

Thu Dec 16 12:47:22 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; N0400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01016
Location : ---
Soil Description : Wet, black organic silt with sand
Remarks : ---

Depth : ---
Test Date : 12/08/99
Test Method : ASTM D 422

Filename : D1016
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT

HYDROMETER

Hydrometer ID : 583901
Weight of air-dried soil = 13.85 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	16.00	20.00	9.46	0.050	68	0.050
2.00	14.00	20.00	7.46	0.036	54	0.036
4.00	12.50	20.00	5.96	0.026	43	0.026
8.00	12.00	20.00	5.46	0.018	39	0.018
15.00	11.00	20.00	4.46	0.013	32	0.013
30.00	10.00	20.00	3.46	0.010	25	0.010
60.00	10.00	20.00	3.46	0.007	25	0.007
120.00	9.00	20.50	2.68	0.005	19	0.005
254.00	7.50	20.00	0.96	0.003	7	0.003
1362.00	7.50	19.00	0.52	0.001	4	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Sieve Openings Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.07	0.07	99
#20	0.033	0.84	0.20	0.27	98
#40	0.017	0.42	0.22	0.49	96
#60	0.010	0.25	0.36	0.85	94
#100	0.006	0.15	0.64	1.49	89
#200	0.003	0.07	1.39	2.88	79
Pan			11.04	13.92	0

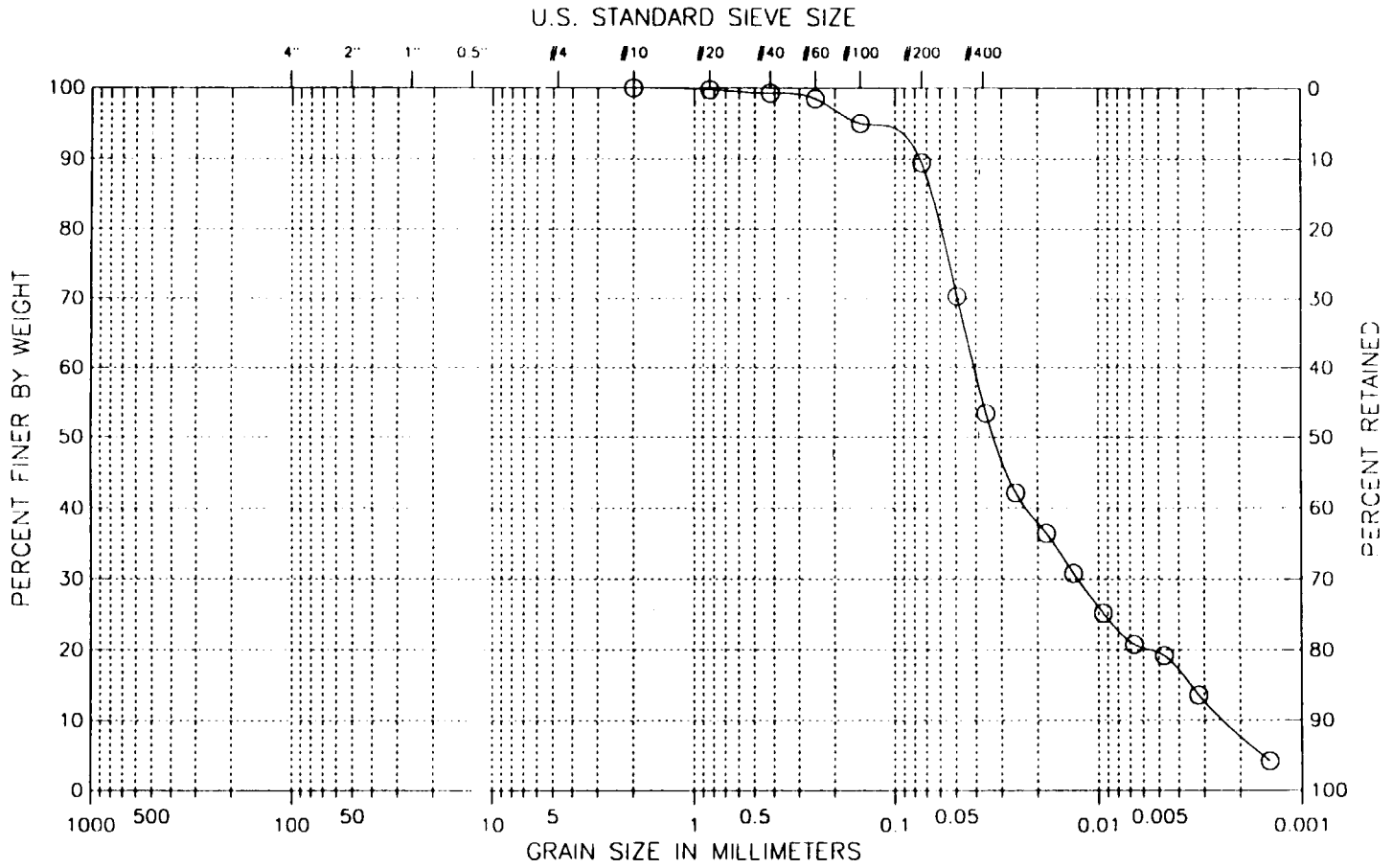
Total Dry Weight of Sample = 128.13

D85 : 0.1103 mm
D60 : 0.0418 mm
D50 : 0.0322 mm
D30 : 0.0121 mm
D15 : 0.0042 mm
D10 : 0.0036 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

LPX-SD-2046-000.5-01

Boring No. :	Project : Tetra Tech NUS; N0400
Sample No: D01017	Project No : CTX 2632
Test Method ASTM D 422	Location: - -
Filename : 01017	Date : Thu Dec 16 1999



Classification :

Remarks :

Visual Description :
Wet, black organic silt

Figure 4

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LPX-SD-2046-000.5-01

Thu Dec 16 12:47:22 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; N0400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01017
Location : ---
Soil Description : Wet, black organic silt
Remarks : ---

Depth : ---
Test Date : 12/08/99
Test Method : ASTM D 422

Filename : 01017
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT

HYDROMETER

Hydrometer ID : 583901
Weight of air-dried soil = 17.74 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	19.00	20.00	12.46	0.050	70	0.050
2.00	16.00	20.00	9.46	0.036	53	0.036
4.00	14.00	20.00	7.46	0.026	42	0.026
8.00	13.00	20.00	6.46	0.018	36	0.018
15.00	12.00	20.00	5.46	0.013	31	0.013
30.00	11.00	20.00	4.46	0.009	25	0.009
61.00	10.00	20.50	3.68	0.007	21	0.007
120.00	9.50	21.00	3.40	0.005	19	0.005
264.00	8.50	21.00	2.40	0.003	14	0.003
1371.00	7.50	19.50	0.74	0.001	4	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#10	0.079	2.00	0.00	0.00	100
#20	0.033	0.84	0.04	0.04	100
#40	0.017	0.42	0.09	0.13	99
#60	0.010	0.25	0.14	0.27	98
#100	0.006	0.15	0.62	0.89	95
#200	0.003	0.07	0.98	1.87	89
Pan			15.88	17.75	0

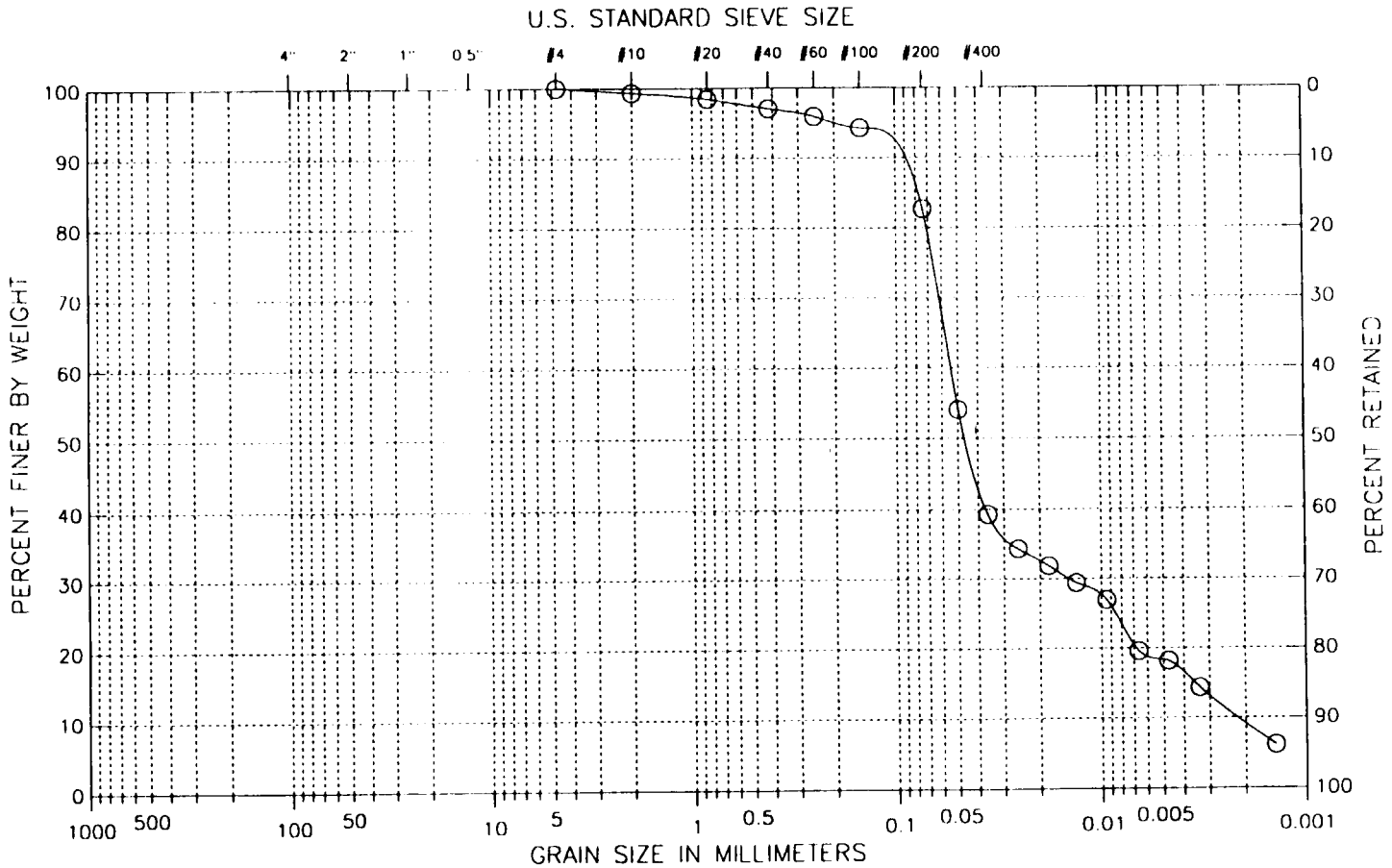
Total Dry Weight of Sample = 135.89

D85 : 0.0674 mm
D60 : 0.0405 mm
D50 : 0.0323 mm
D30 : 0.0127 mm
D15 : 0.0035 mm
D10 : 0.0024 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

LPX - SD - 2047-01

Boring No	Project : Tetra Tech NUS; N0400
Sample No : D01010	Project No : GEX 2652
Test Method ASTM D 422	Location: ---
Filename : 01010	Date : Thu Dec 16 1999



Classification :

Remarks :

Visual Description :
Wet, black organic silt with sand

Figure 2

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06

LPX-SD-2047-01

Thu Dec 16 12:47:22 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; N0400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01010
Location : ---
Soil Description : Wet, black organic silt with sand
Remarks : ---

Depth : ---
Test Date : 12/08/99
Test Method : ASTM D 422

Filename : 01010
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT

HYDROMETER

Hydrometer ID : 583901
Weight of air-dried soil = 20.17 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	17.50	20.00	10.96	0.050	54	0.050
2.00	14.50	20.00	7.96	0.036	39	0.036
4.00	13.50	20.00	6.96	0.026	34	0.026
8.00	13.00	20.00	6.46	0.018	32	0.018
15.00	12.50	20.00	5.96	0.013	29	0.013
30.00	12.00	20.00	5.46	0.009	27	0.009
62.00	10.50	20.00	3.96	0.007	20	0.007
120.00	10.00	20.50	3.68	0.005	18	0.005
240.00	9.00	21.00	2.90	0.003	14	0.003
1398.00	8.00	19.50	1.24	0.001	6	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.13	0.13	99
#20	0.033	0.84	0.19	0.32	98
#40	0.017	0.42	0.28	0.60	97
#60	0.010	0.25	0.23	0.83	96
#100	0.006	0.15	0.33	1.16	94
#200	0.003	0.07	2.35	3.51	83
Pan			16.79	20.30	0

Total Dry Weight of Sample = 148.28

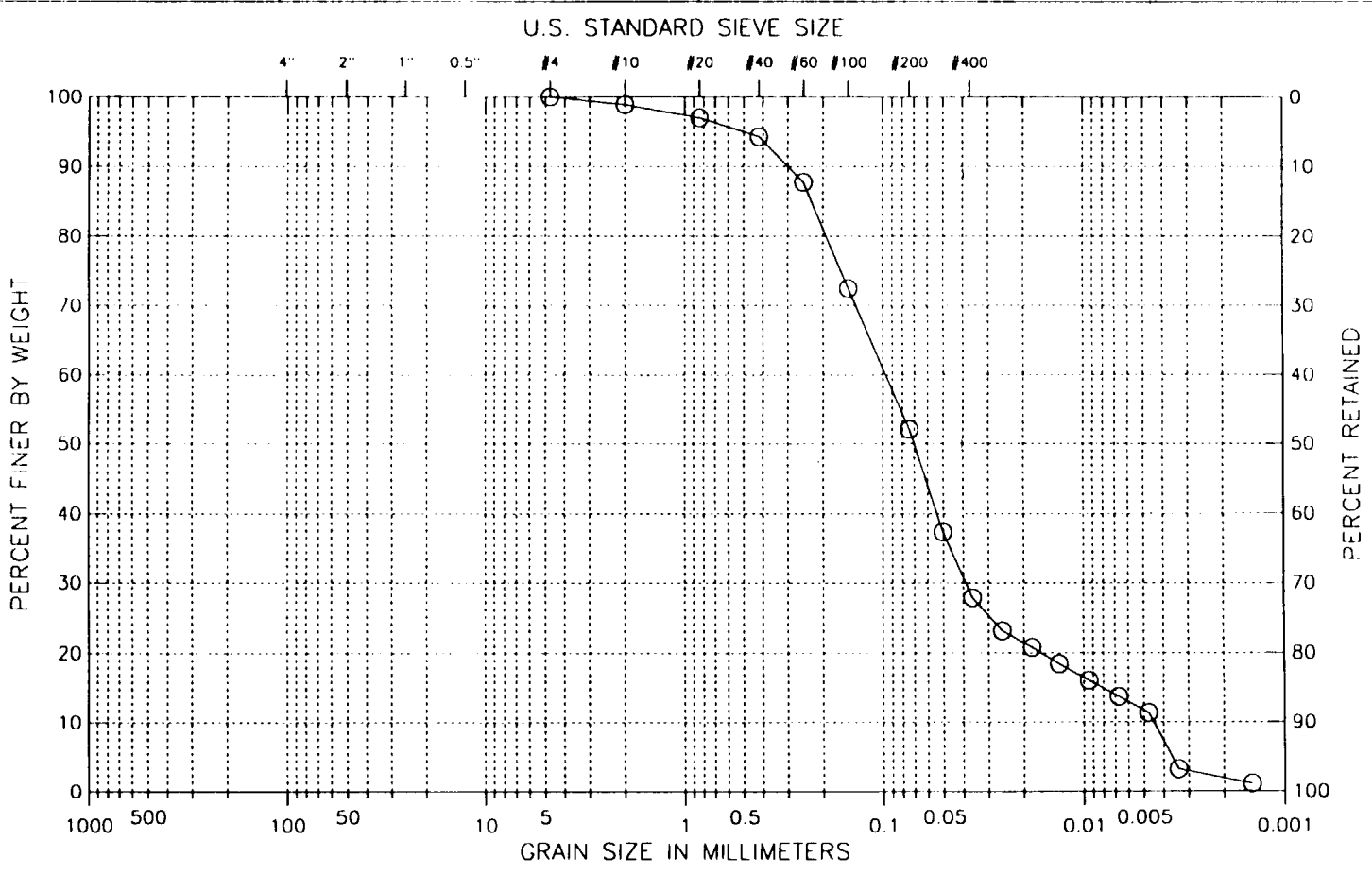
D85 : 0.0850 mm
D60 : 0.0542 mm
D50 : 0.0457 mm
D30 : 0.0143 mm
D15 : 0.0036 mm
D10 : 0.0021 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

07

LPX-SD-2048-000.5-01

Boring No.	Project : Tetra Tech NUS, N0400
Sample No.: D01024	Project No.: GIX 2632
Test Method ASTM D 422	Location: -
Filename : 01024	Date : Thu Dec 16 1999



Classification :

Remarks :

Visual Description :
Wet, black sandy organic silt

Figure 5

Thu Dec 16 12:47:22 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; N0400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01024
Location : ---
Soil Description : Wet, black sandy organic silt
Remarks : ---

Depth ---
Test Date : 12/08/99
Test Method : ASTM D 422

Filename : D1024
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT

LPX-SD-2048-000.5-01

HYDROMETER

Hydrometer ID : 583901
Weight of air-dried soil = 20.95 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	14.00	21.00	7.90	0.050	37	0.050
2.00	12.00	21.00	5.90	0.036	28	0.036
4.00	11.00	21.00	4.90	0.026	23	0.026
8.00	10.50	21.00	4.40	0.018	21	0.018
15.00	10.00	21.00	3.90	0.013	18	0.013
30.00	9.50	21.00	3.40	0.009	16	0.009
60.00	9.00	21.00	2.90	0.007	14	0.007
120.00	8.50	21.00	2.40	0.005	11	0.005
245.00	7.00	20.50	0.68	0.003	3	0.003
1354.00	7.00	19.50	0.24	0.001	1	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.24	0.24	99
#20	0.033	0.84	0.40	0.64	97
#40	0.017	0.42	0.58	1.22	94
#60	0.010	0.25	1.38	2.60	88
#100	0.006	0.15	3.24	5.84	72
#200	0.003	0.07	4.32	10.16	52
Pan			11.03	21.19	0

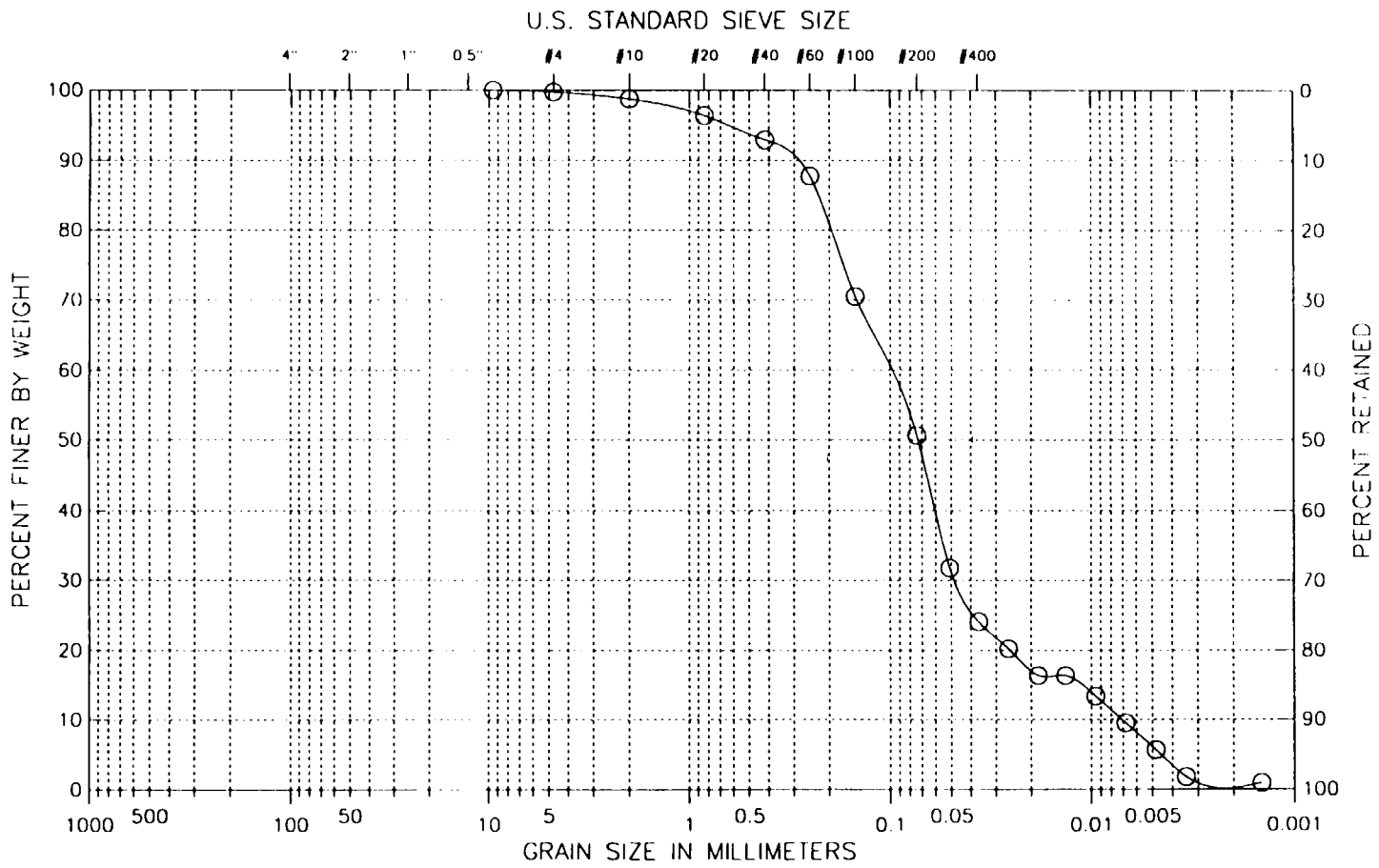
Total Dry Weight of Sample = 140.58

D85 : 0.2279 mm
D60 : 0.0972 mm
D50 : 0.0701 mm
D30 : 0.0389 mm
D15 : 0.0081 mm
D10 : 0.0045 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

LPX-SD-DU-110999A

Boring No. :	Project : Tetra Tech NUS; N0400
Sample No : D01026	Project No : GTX 2652
Test Method ASTM D 422	Location: -- --
Filename : 01026	Date : Thu Dec 16 1999



Classification :

Remarks :

Visual Description :
Wet, black sandy organic silt

Figure 6

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; N0400
Project No. : GTX-2632
Boring No. : ---
Sample No. : D01026
Location : ---
Depth : ---
Test Date : 12/09/99
Test Method : ASTM D 422
Filename : D1026
Elevation : ---
Tested by : NJH/MHM
Checked by : GTT
Soil Description : Wet, black sandy organic silt
Remarks : ---

HYDROMETER

Hydrometer ID : 583901
Weight of air-dried soil = 25.62 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	15.00	19.50	8.24	0.051	32	0.051
2.00	13.00	19.50	6.24	0.037	24	0.037
4.00	12.00	19.50	5.24	0.026	20	0.026
8.00	11.00	19.50	4.24	0.018	16	0.018
15.00	11.00	19.50	4.24	0.013	16	0.013
30.00	10.00	20.00	3.46	0.010	13	0.010
60.00	9.00	20.00	2.46	0.007	9	0.007
120.00	8.00	20.00	1.46	0.005	6	0.005
240.00	7.00	20.00	0.46	0.003	2	0.003
1345.00	7.00	19.50	0.24	0.001	1	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.07	0.07	100
#10	0.079	2.00	0.26	0.33	99
#20	0.033	0.84	0.62	0.95	96
#40	0.017	0.42	0.89	1.84	93
#60	0.010	0.25	1.33	3.17	88
#100	0.006	0.15	4.48	7.65	71
#200	0.003	0.07	5.16	12.81	51
Pan			13.14	25.95	0

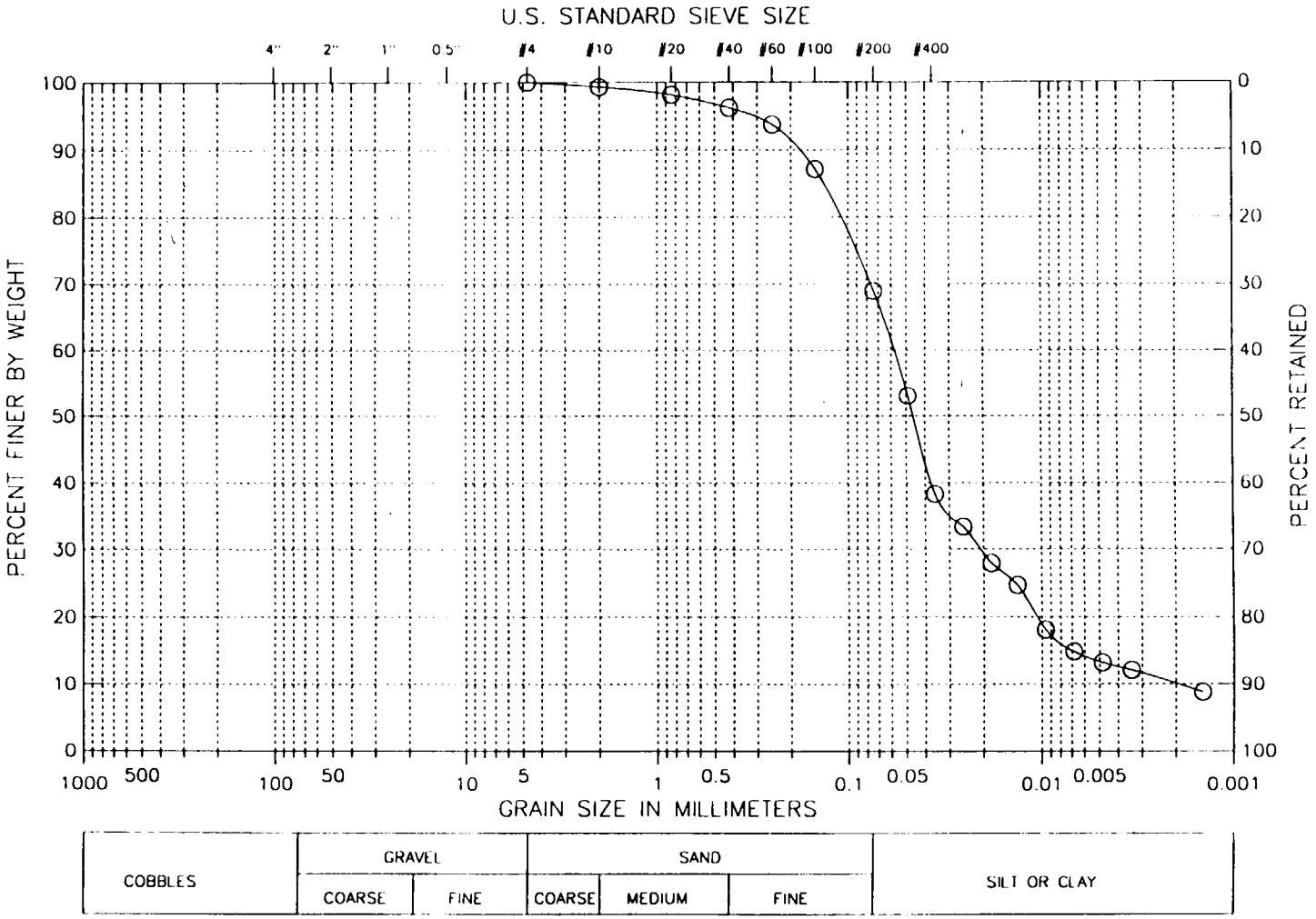
Total Dry Weight of Sample = 146.17

D85 : 0.2300 mm
D60 : 0.1029 mm
D50 : 0.0731 mm
D30 : 0.0472 mm
D15 : 0.0115 mm
D10 : 0.0071 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

LPX-SD-2049-01

Boring No. :	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D01004	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 1004	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Moist, dark brown sandy organic silt

Figure 43

LPX-SD-2049-01

Fri Dec 03 14:50:28 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; NO191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D01004
Location : Centerdale, RI
Soil Description : Moist, Dark brown sandy organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 1004
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 30.32 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	20.50	20.00	16.18	0.049	53	0.049
2.00	16.00	20.00	11.68	0.036	38	0.036
4.00	14.50	20.00	10.18	0.025	33	0.025
8.00	13.00	19.50	8.52	0.018	28	0.018
15.00	12.00	19.50	7.52	0.013	25	0.013
30.00	10.00	19.50	5.52	0.010	18	0.010
60.00	9.00	19.50	4.52	0.007	15	0.007
120.00	8.50	19.50	4.02	0.005	13	0.005
240.00	8.00	20.00	3.68	0.003	12	0.003
1337.00	7.00	20.00	2.68	0.001	9	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Sieve Openings Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.21	0.21	99
#20	0.033	0.84	0.36	0.57	98
#40	0.017	0.42	0.59	1.16	96
#60	0.010	0.25	0.75	1.91	94
#100	0.006	0.15	2.02	3.93	87
#200	0.003	0.07	5.55	9.48	69
Pan			21.05	30.53	0

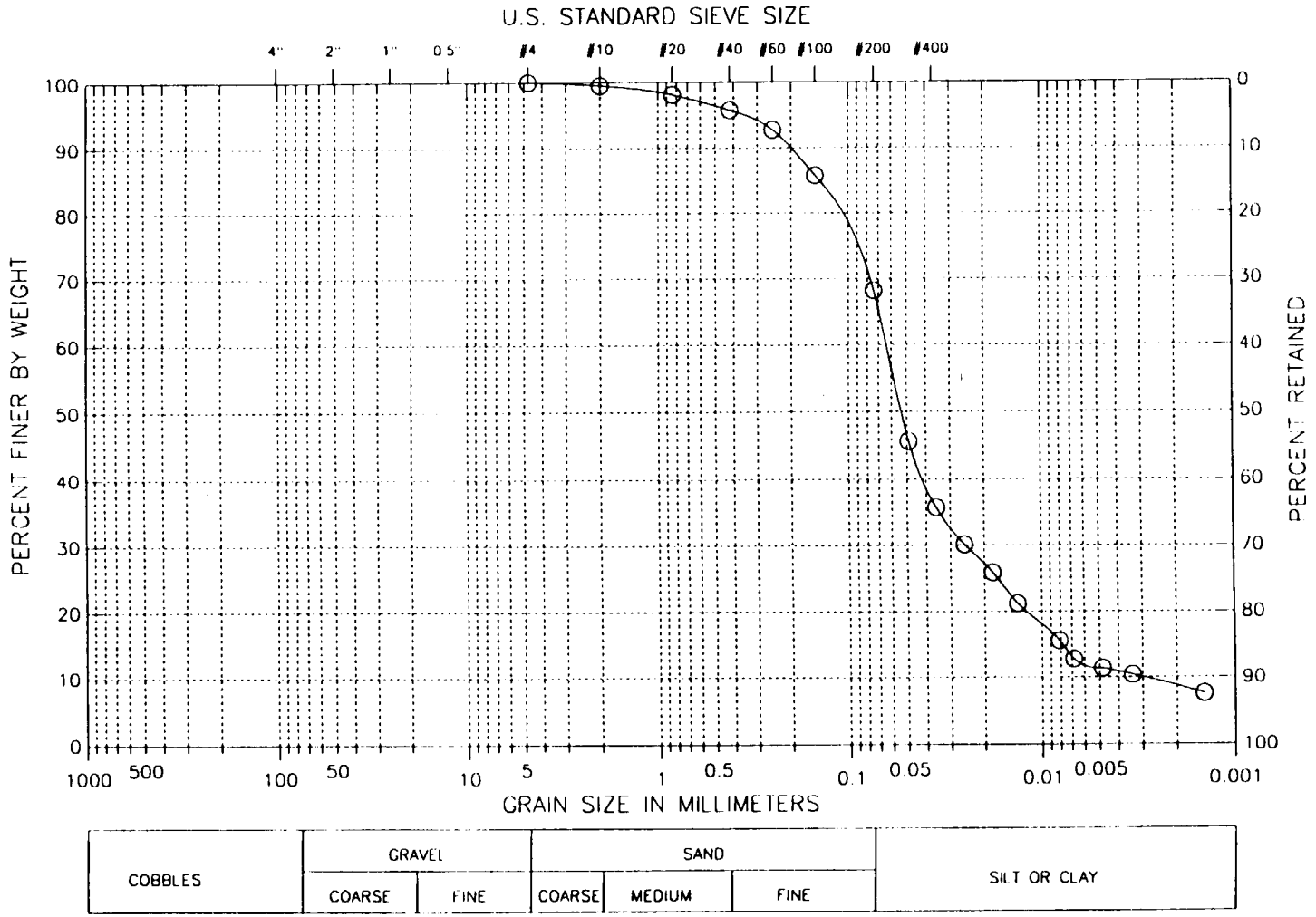
Total Dry Weight of Sample = 147.71

D85 : 0.1373 mm
D60 : 0.0587 mm
D50 : 0.0459 mm
D30 : 0.0207 mm
D15 : 0.0069 mm
D10 : 0.0020 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

LPX-SD-2049-01

Boring No. : - - -	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D01004 - DUP	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 1004DUP	Date : Fri Dec 03 1999



Classification :

Remarks :
DUPLICATE ANALYSIS

Visual Description :
Moist, dark brown sandy organic silt

Figure 44

GPX-SD-2049-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : 201004 - DUP
Location : Centerdale, RI
Soil Description : Moist, dark brown sandy organic silt
Remarks : **DUPLICATE ANALYSIS**

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 1004DUP
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 35.36 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	20.50	20.00	16.18	0.049	46	0.049
2.00	17.00	20.00	12.68	0.035	36	0.035
4.00	15.00	20.00	10.68	0.025	30	0.025
8.00	13.50	20.00	9.18	0.018	26	0.018
15.00	12.00	19.50	7.52	0.013	21	0.013
42.00	10.00	19.50	5.52	0.008	16	0.008
60.00	9.00	19.50	4.52	0.007	13	0.007
120.00	8.50	19.50	4.02	0.005	11	0.005
242.00	8.00	20.00	3.68	0.003	10	0.003
1345.00	7.00	20.00	2.68	0.001	8	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.17	0.17	100
#20	0.033	0.84	0.49	0.66	98
#40	0.017	0.42	0.84	1.50	96
#60	0.010	0.25	1.07	2.57	93
#100	0.006	0.15	2.48	5.05	86
#200	0.003	0.07	6.25	11.30	68
Pan			24.23	35.53	0

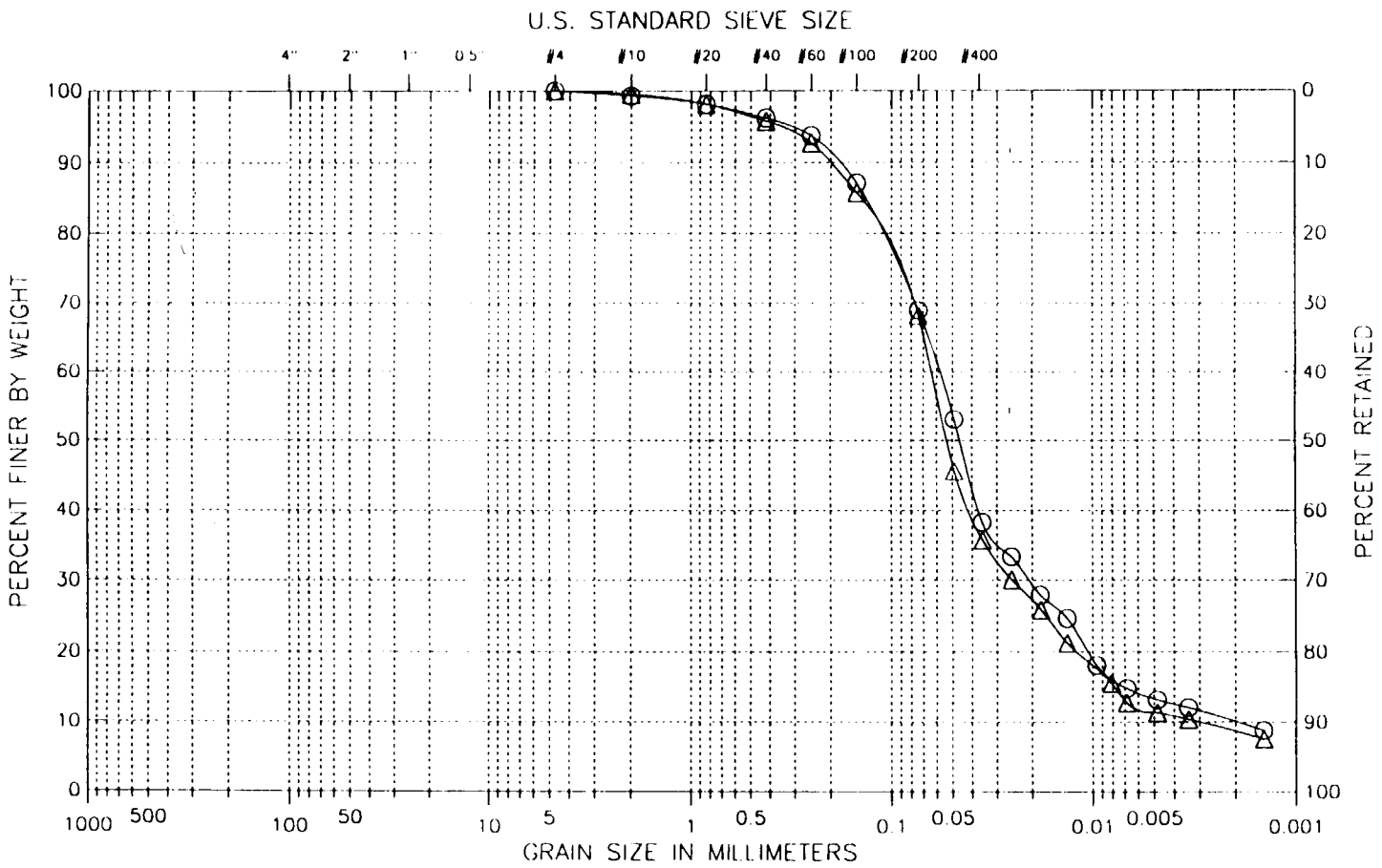
Total Dry Weight of Sample = 150.69

D85 : 0.1444 mm
D60 : 0.0638 mm
D50 : 0.0532 mm
D30 : 0.0252 mm
D15 : 0.0078 mm
D10 : 0.0030 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

LPX-SD-2049-01

Project : Tetra Tech NUS; Centerdale; N0191
Project No.: GTX-2607
Location: Centerdale, RI
Date : Fri Dec 03 1999

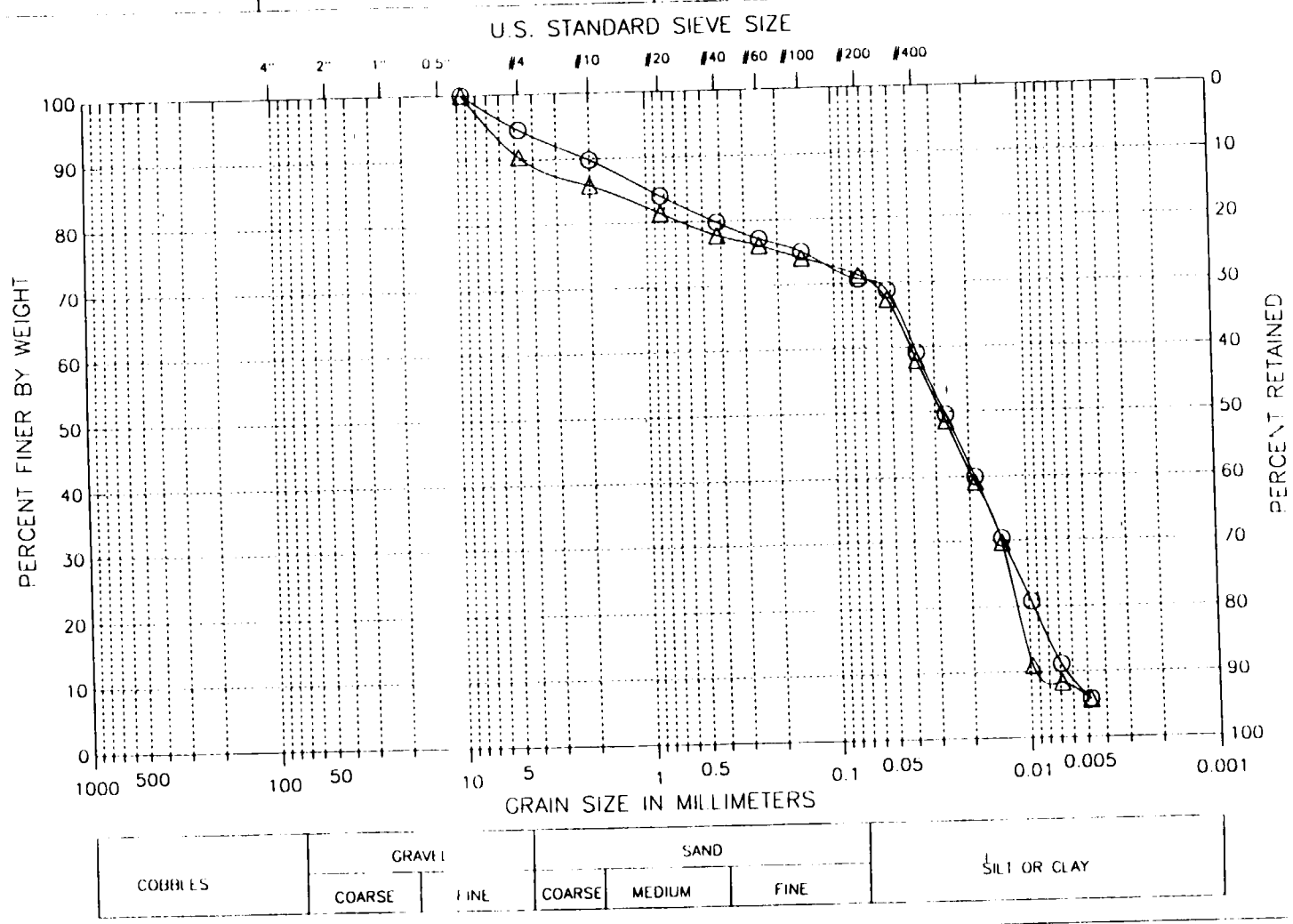


Symbol	Boring No.	Sample No.	Depth	Filename	Classification / Description
-O-		D01004		1004	Moist, dark brown sandy organic silt
-Δ-		D01004 DUP		1004DUP	Moist, dark brown sandy organic silt

Figure 3

CMW-SD-2019-01

Project : Tetra Tech NUS; Centerdale; N0191
Project No.: GTX -2607
Location: Centerdale, RI
Date : Fri Dec 03 1999

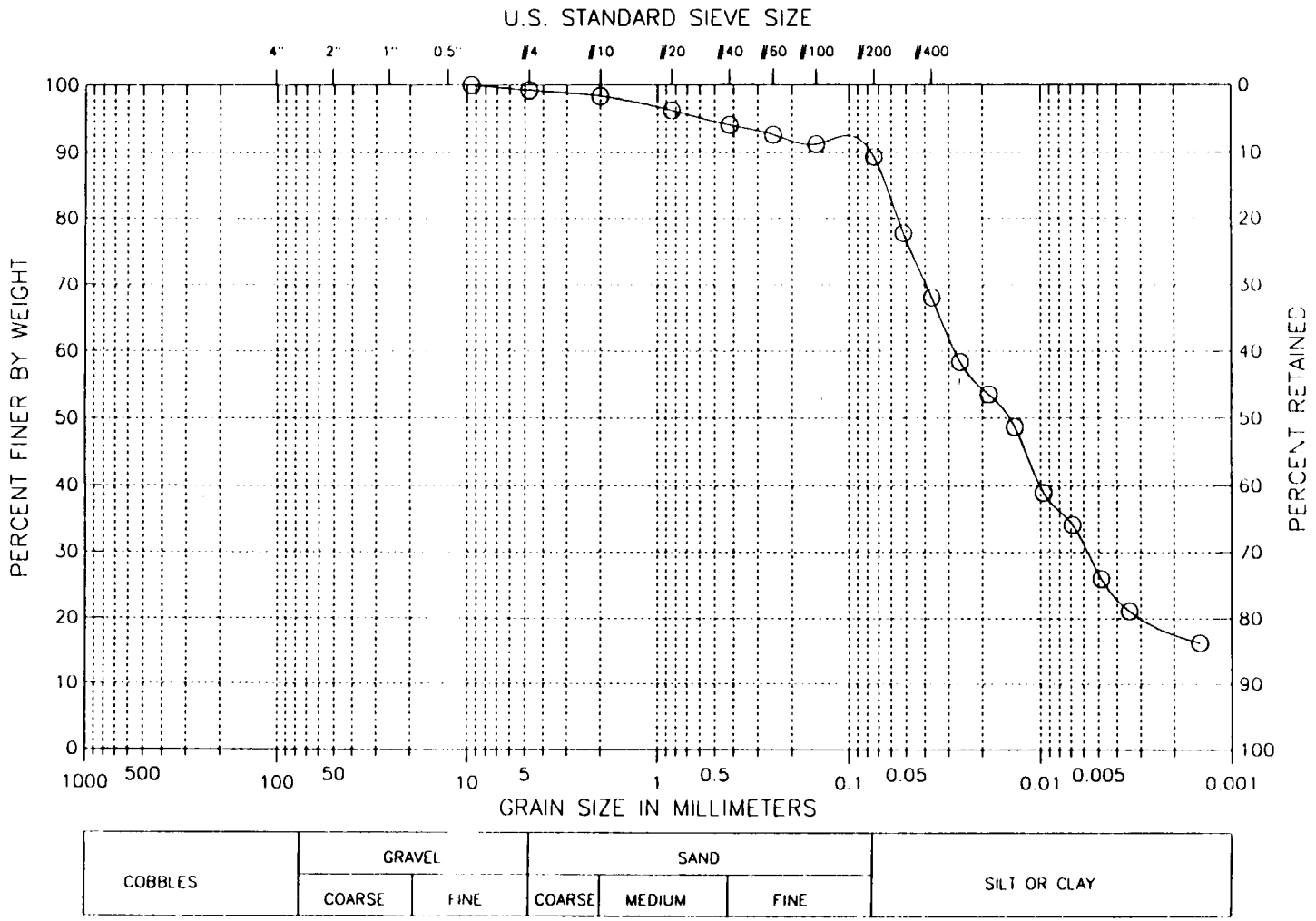


Symbol	Boring No.	Sample No.	Depth	Filename	Classification / Description
⊖	- - -	D00906		906	Wet, black sandy silt with organics
△	- - -	D00906 - DUP		906DUP	Wet, black sandy silt with organics

Figure 1

LPX-SD-2050-01

Boring No. :	Project : Tetra Tech NUS; Centerdale; N0191
Sample No.: D01003	Project No.: GTX-2607
Test Method ASTM D 422	Location: Centerdale, RI
Filename : 1003	Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, black organic silt

Figure 42

LPX-SD-2050-01

Fri Dec 03 14:50:28 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D01003
Location : Centerdale, RI
Soil Description : Wet, black organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 1303
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 10.16 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	12.50	19.50	8.02	0.052	78	0.052
2.00	11.50	19.50	7.02	0.037	68	0.037
4.00	10.50	19.50	6.02	0.026	58	0.026
8.00	10.00	19.50	5.52	0.019	54	0.019
15.00	9.50	19.50	5.02	0.014	49	0.014
30.00	8.50	19.50	4.02	0.010	39	0.010
60.00	8.00	19.50	3.52	0.007	34	0.007
120.00	7.00	20.00	2.68	0.005	26	0.005
240.00	6.50	20.00	2.18	0.003	21	0.003
1328.00	6.00	20.00	1.68	0.001	16	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.14	0.14	99
#10	0.079	2.00	0.16	0.30	98
#20	0.033	0.84	0.39	0.69	96
#40	0.017	0.42	0.40	1.09	94
#60	0.010	0.25	0.27	1.36	93
#100	0.006	0.15	0.26	1.62	91
#200	0.003	0.07	0.35	1.97	89
Pan			16.49	18.46	0

Total Dry Weight of Sample = 149.64

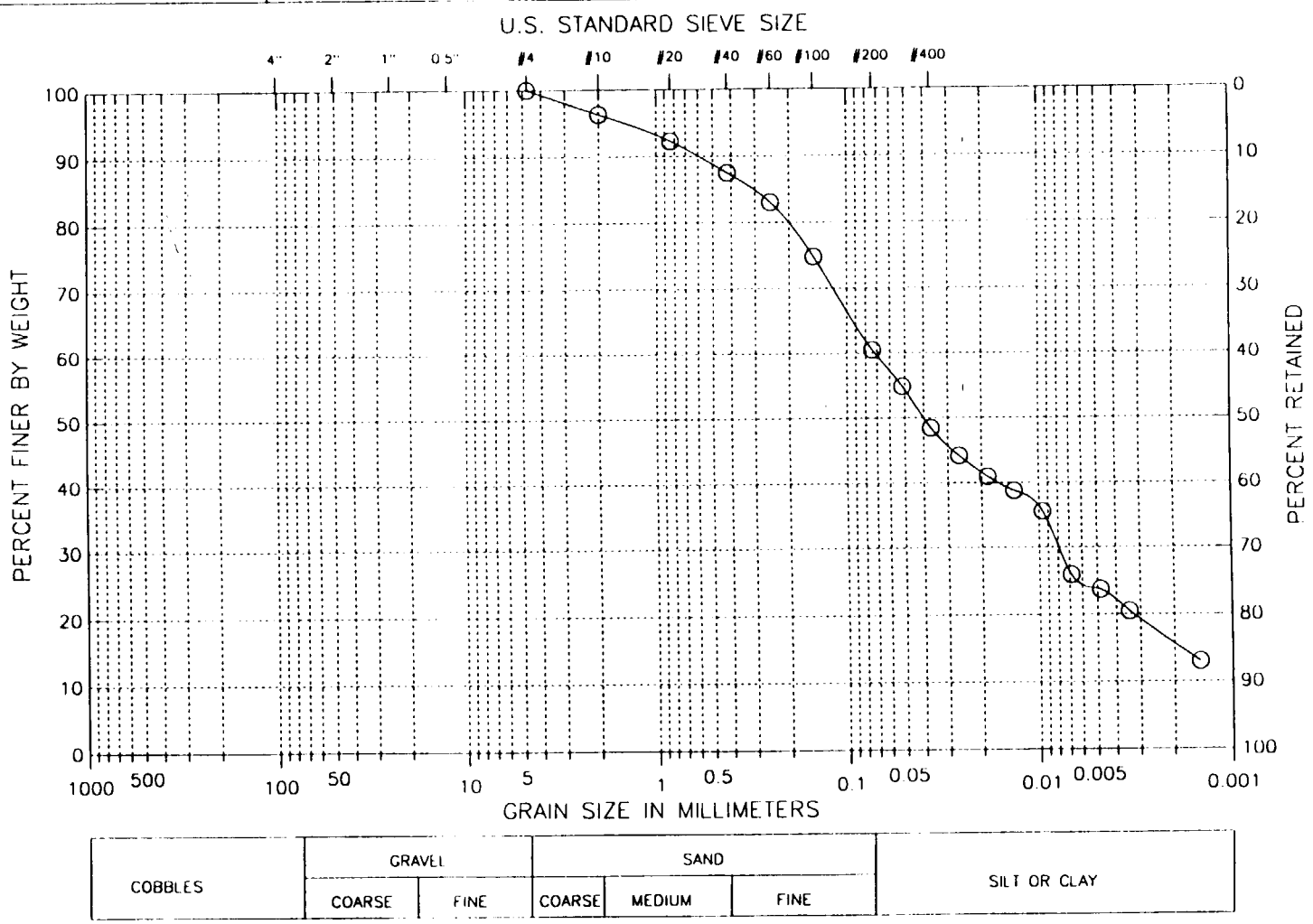
D85 : 0.0648 mm
D60 : 0.0278 mm
D50 : 0.0148 mm
D30 : 0.0058 mm
D15 : N/A
D10 : N/A

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

LPX-SD-2051-01

Boring No. :
Sample No.: D0099/
Test Method ASTM D 422
Filename : 99/

Project : Tetra Tech NUS; Centerdale; N0191
Project No.: GTX-2607
Location: Centerdale, RI
Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, black sandy organic silt

Figure 41

LPX-SD-2051-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00997
Location : Centerdale, RI
Soil Description : Wet, black sandy organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 997
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 14.98 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	13.00	19.50	8.52	0.052	55	0.052
2.00	12.00	19.50	7.52	0.037	48	0.037
4.00	11.50	19.00	6.86	0.026	44	0.026
8.00	11.00	19.00	6.36	0.019	41	0.019
15.00	10.50	19.50	6.02	0.014	39	0.014
30.00	10.00	19.50	5.52	0.010	36	0.010
60.00	8.50	19.50	4.02	0.007	26	0.007
120.00	8.00	20.00	3.68	0.005	24	0.005
240.00	7.50	20.00	3.18	0.003	20	0.003
1322.00	6.50	19.50	2.02	0.001	13	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.57	0.57	96
#20	0.033	0.84	0.63	1.20	92
#40	0.017	0.42	0.75	1.95	87
#60	0.010	0.25	0.69	2.64	83
#100	0.006	0.15	1.28	3.92	75
#200	0.003	0.07	2.22	6.14	61
Pan			9.41	15.55	0

Total Dry Weight of Sample = 129.76

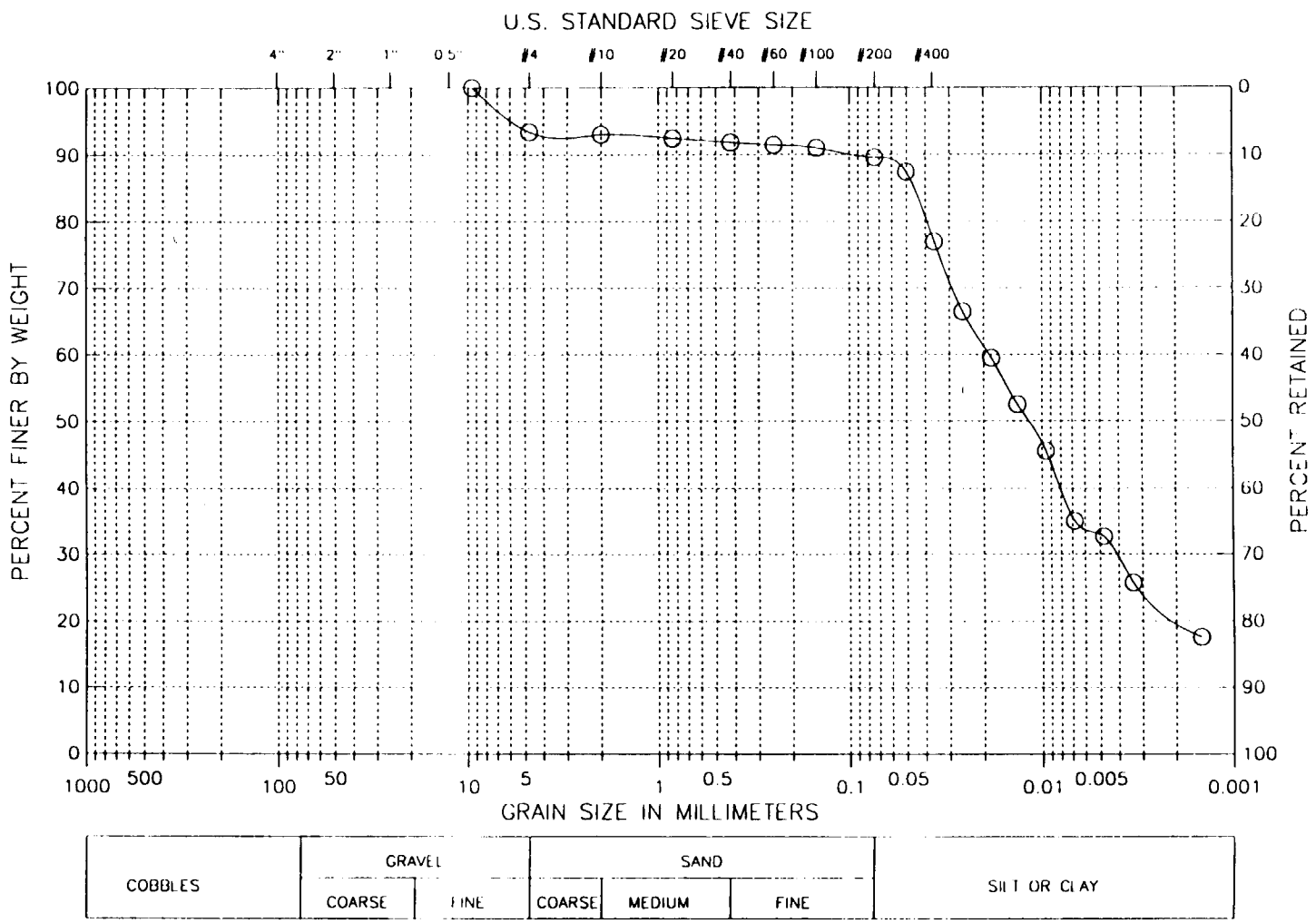
D85 : 0.3150 mm
D60 : 0.0716 mm
D50 : 0.0399 mm
D30 : 0.0079 mm
D15 : 0.0018 mm
D10 : 0.0010 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

LPX-SD-2052-000.5-01

Boring No. :
Sample No.: D00991
Test Method ASTM D 422
Filename : 991

Project : Tetra Tech NUS; Centerdale; N0191
Project No.: G1X-2607
Location: Centerdale, RI
Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :
Wet, black organic silt

Figure 39

LPX-SD-2052-0005-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; ND191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00991
Location : Centerdale, RI
Soil Description : Wet, black organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 991
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 13.34 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	17.00	19.50	12.52	0.050	87	0.050
2.00	15.50	19.50	11.02	0.036	77	0.036
4.00	14.00	19.50	9.52	0.026	66	0.026
8.00	13.00	19.50	8.52	0.018	59	0.018
15.00	12.00	19.50	7.52	0.013	53	0.013
30.00	11.00	19.50	6.52	0.010	46	0.010
60.00	9.50	19.50	5.02	0.007	35	0.007
120.00	9.00	20.00	4.68	0.005	33	0.005
246.00	8.00	20.00	3.68	0.003	26	0.003
1304.00	7.00	19.50	2.52	0.001	18	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.88	0.88	93
#10	0.079	2.00	0.05	0.93	93
#20	0.033	0.84	0.08	1.01	92
#40	0.017	0.42	0.08	1.09	92
#60	0.010	0.25	0.05	1.14	91
#100	0.006	0.15	0.06	1.20	91
#200	0.003	0.07	0.19	1.39	90
Pan			11.95	13.34	0

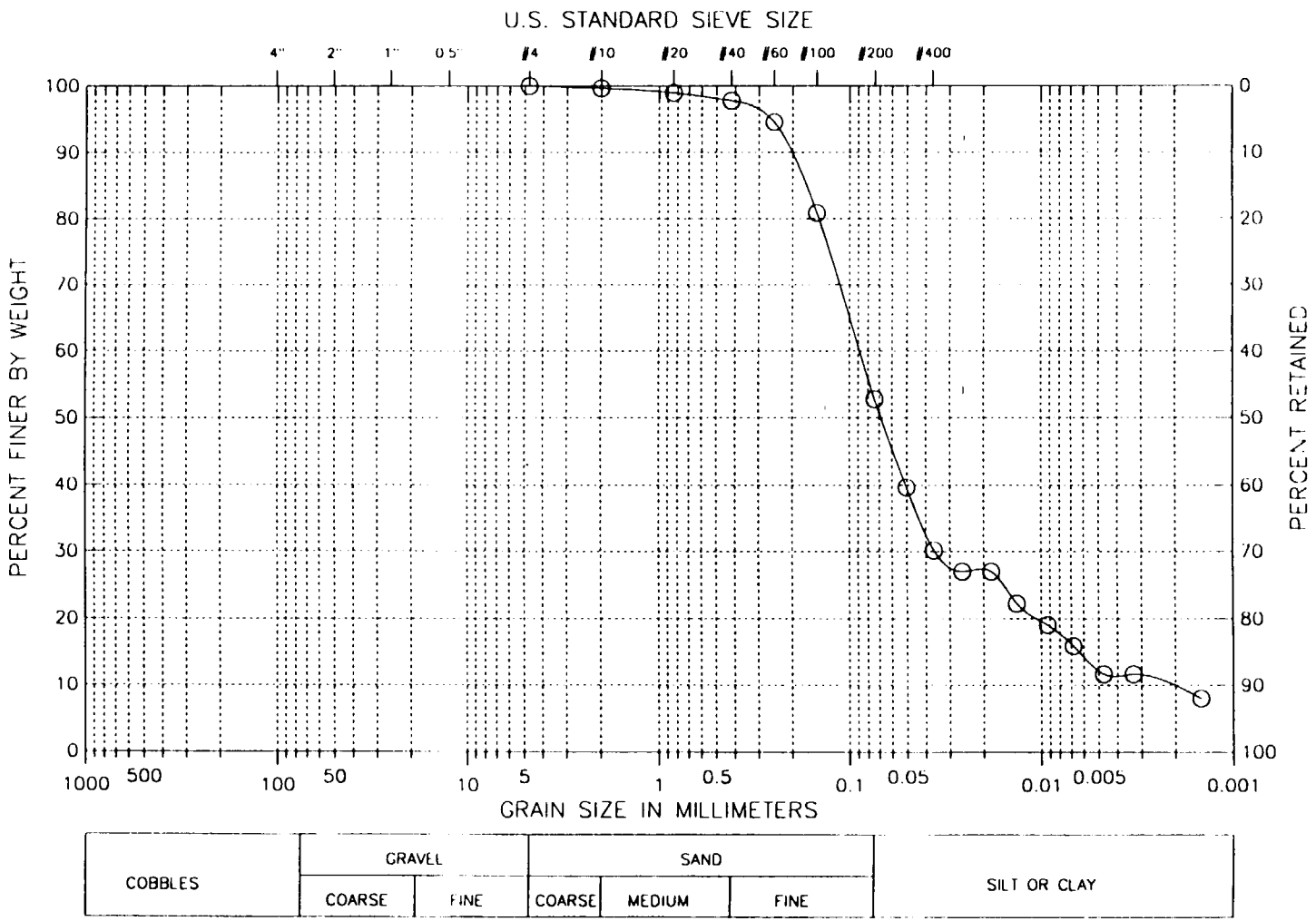
Total Dry Weight of Sample = 132.86

D85 : 0.0467 mm
D60 : 0.0187 mm
D50 : 0.0119 mm
D30 : 0.0042 mm
D15 : N/A
D10 : N/A

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

LPX-SD-2053-000.5-01

Boring No. : --- Sample No.: D00992 Test Method ASTM D 422 Filename : 992	Project : Tetra Tech NUS; Centerdale; N0191 Project No.: GTX-2607 Location: Centerdale, RI Date : Fri Dec 03 1999



Classification :

Remarks :

Visual Description :

Wet, black sandy organic silt

Figure 40

LPX-SD-2053-000.5-01

Fri Dec 03 14:50:29 1999

GEOTECHNICAL LABORATORY TEST DATA

Project : Tetra Tech NUS; Centerdale; N0191
Project No. : GTX-2607
Boring No. : ---
Sample No. : D00992
Location : Centerdale, RI
Soil Description : Wet, black sandy organic silt
Remarks : ---

Depth : ---
Test Date : 11/17/99
Test Method : ASTM D 422

Filename : 992
Elevation : ---
Tested by : NJH/MED
Checked by : GTT

HYDROMETER

Hydrometer ID : 257525
Weight of air-dried soil = 31.5 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	17.00	19.50	12.52	0.050	40	0.050
2.00	14.00	19.50	9.52	0.036	30	0.036
4.00	13.00	19.50	8.52	0.026	27	0.026
8.00	13.00	19.50	8.52	0.018	27	0.018
15.00	11.50	19.50	7.02	0.013	22	0.013
32.00	10.50	19.50	6.02	0.009	19	0.009
60.00	9.50	19.50	5.02	0.007	16	0.007
125.00	8.00	20.00	3.68	0.005	12	0.005
255.00	8.00	20.00	3.68	0.003	12	0.003
1313.00	7.00	19.50	2.52	0.001	8	0.001

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.11	0.11	100
#20	0.033	0.84	0.22	0.33	99
#40	0.017	0.42	0.37	0.70	98
#60	0.010	0.25	1.02	1.72	95
#100	0.006	0.15	4.33	6.05	81
#200	0.003	0.07	8.88	14.93	53
Pan			16.68	31.61	0

Total Dry Weight of Sample = 151.57

D85 : 0.1742 mm
D60 : 0.0886 mm
D50 : 0.0683 mm
D30 : 0.0357 mm
D15 : 0.0063 mm
D10 : 0.0023 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

APPENDIX D

SURFACE WATER RESULTS

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SW-2029-01		APB-SW-2029-01F		APB-SW-2034-01		APB-SW-2034-01F		APC-SW-2035-01		APC-SW-2035-01F	
Sample Location	APB-SD-2029		APB-SD-2029		APB-SD-2034		APB-SD-2034		APC-SD-2035		APC-SD-2035	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/29/99		10/29/99		11/3/99		11/3/99		11/3/99		11/3/99	
QC Identifier	None		None		None		None		None		None	
Semivolatile Organic Analysis (UG/L)	AQB41				AQB56				AQB57			
1,1'-Biphenyl	10	U		NA	10	U		NA	10	U		NA
2,2'-oxybis(1-Chloropropane)	10	UJ		NA	10	U		NA	10	U		NA
2,4,5-Trichlorophenol	25	U		NA	25	U		NA	25	U		NA
2,4,6-Trichlorophenol	10	U		NA	10	U		NA	10	U		NA
2,4-Dichlorophenol	10	U		NA	10	U		NA	10	U		NA
2,4-Dimethylphenol	10	UJ		NA	10	U		NA	10	U		NA
2,4-Dinitrophenol	25	UJ		NA	25	U		NA	25	U		NA
2,4-Dinitrotoluene	10	U		NA	10	U		NA	10	U		NA
2,6-Dinitrotoluene	10	U		NA	10	U		NA	10	U		NA
2-Chloronaphthalene	10	U		NA	10	U		NA	10	U		NA
2-Chlorophenol	10	U		NA	10	U		NA	10	U		NA
2-Methylnaphthalene	10	U		NA	10	U		NA	10	U		NA
2-Methylphenol	10	U		NA	10	U		NA	10	U		NA
2-Nitroaniline	25	U		NA	25	U		NA	25	U		NA
2-Nitrophenol	10	U		NA	10	U		NA	10	U		NA
3,3'-Dichlorobenzidine	10	U		NA	10	U		NA	10	U		NA
3-Nitroaniline	25	U		NA	25	U		NA	25	U		NA
4,6-Dinitro-2-methylphenol	25	U		NA	25	U		NA	25	U		NA
4-Bromophenyl-phenylether	10	U		NA	10	U		NA	10	U		NA
4-Chloro-3-methylphenol	10	U		NA	10	U		NA	10	U		NA
4-Chloroaniline	10	UJ		NA	10	U		NA	10	U		NA
4-Chlorophenyl-phenylether	10	U		NA	10	U		NA	10	U		NA
4-Methylphenol	10	U		NA	10	U		NA	10	U		NA
4-Nitroaniline	25	U		NA	25	U		NA	25	U		NA
4-Nitrophenol	25	UJ		NA	25	U		NA	25	U		NA
Acenaphthene	10	U		NA	10	U		NA	10	U		NA
Acenaphthylene	10	U		NA	10	U		NA	10	U		NA
Acetophenone	10	U		NA	10	U		NA	10	U		NA
Anthracene	10	U		NA	10	U		NA	10	U		NA
Atrazine	10	U		NA	10	U		NA	10	U		NA
Benzaldehyde	10	UJ		NA	10	U		NA	10	U		NA
Benzo(a)anthracene	10	U		NA	10	U		NA	10	U		NA
Benzo(a)pyrene	10	U		NA	10	U		NA	10	U		NA

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SW-2029-01		APB-SW-2029-01F		APB-SW-2034-01		APB-SW-2034-01F		APC-SW-2035-01		APC-SW-2035-01F	
Sample Location	APB-SD-2029		APB-SD-2029		APB-SD-2034		APB-SD-2034		APC-SD-2035		APC-SD-2035	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/29/99		10/29/99		11/3/99		11/3/99		11/3/99		11/3/99	
QC Identifier	None		None		None		None		None		None	
Benzo(b)fluoranthene	10	U		NA	10	U		NA	10	U		NA
Benzo(g,h,i)perylene	10	U		NA	10	U		NA	10	U		NA
Benzo(k)fluoranthene	10	U		NA	10	U		NA	10	U		NA
Bis(2-Chloroethoxy)methane	10	U		NA	10	U		NA	10	U		NA
Bis(2-Chloroethyl)ether	10	U		NA	10	U		NA	10	U		NA
bis(2-Ethylhexyl)phthalate	10	U		NA	10	U		NA	10	U		NA
Butylbenzylphthalate	10	U		NA	10	U		NA	10	U		NA
Caprolactam	10	U		NA	10	U		NA	10	U		NA
Carbazole	10	U		NA	10	U		NA	10	U		NA
Chrysene	10	U		NA	10	U		NA	10	U		NA
Di-n-Butylphthalate	10	U		NA	10	U		NA	10	U		NA
Di-n-octylphthalate	10	UJ		NA	10	U		NA	10	U		NA
Dibenzo(a,h)anthracene	10	U		NA	10	U		NA	10	U		NA
Dibenzofuran	10	U		NA	10	U		NA	10	U		NA
Diethylphthalate	10	U		NA	10	U		NA	10	U		NA
Dimethylphthalate	10	U		NA	10	U		NA	10	U		NA
Fluoranthene	10	U		NA	10	U		NA	10	U		NA
Fluorene	10	U		NA	10	U		NA	10	U		NA
Hexachlorobenzene	10	U		NA	10	U		NA	10	U		NA
Hexachlorobutadiene	10	UJ		NA	10	U		NA	10	U		NA
Hexachlorocyclopentadiene	10	U		NA	10	U		NA	10	U		NA
Hexachloroethane	10	U		NA	10	U		NA	10	U		NA
Indeno(1,2,3-cd)pyrene	10	U		NA	10	U		NA	10	U		NA
Isophorone	10	U		NA	10	U		NA	10	U		NA
N-Nitroso-di-n-propylamine	10	U		NA	10	U		NA	10	U		NA
N-Nitroso-diphenylamine	10	UJ		NA	10	U		NA	10	U		NA
Naphthalene	10	U		NA	10	U		NA	10	U		NA
Nitrobenzene	10	U		NA	10	U		NA	10	U		NA
Pentachlorophenol	25	U		NA	25	U		NA	25	U		NA
Phenanthrene	10	U		NA	10	U		NA	10	U		NA
Phenol	10	U		NA	10	UJ		NA	10	U		NA
Pyrene	10	U		NA	10	UJ		NA	10	U		NA
Total PAH	10	U		NA	10	U		NA	10	U		NA

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SW-2029-01		APB-SW-2029-01F		APB-SW-2034-01		APB-SW-2034-01F		APC-SW-2035-01		APC-SW-2035-01F	
Sample Location	APB-SD-2029		APB-SD-2029		APB-SD-2034		APB-SD-2034		APC-SD-2035		APC-SD-2035	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/29/99		10/29/99		11/3/99		11/3/99		11/3/99		11/3/99	
QC Identifier	None		None		None		None		None		None	
Pesticide/PCB Analysis (UG/L)	AQB41				AQB56				AQB57			
4,4'-DDD	0.10	U		NA	0.10	U		NA	0.10	U		NA
4,4'-DDE	0.10	U		NA	0.10	U		NA	0.10	U		NA
4,4'-DDT	0.10	U		NA	0.10	U		NA	0.10	U		NA
Aldrin	0.05	U		NA	0.011	J		NA	0.059			NA
alpha-BHC	0.05	U		NA	0.05	U		NA	0.05	U		NA
alpha-Chlordane	0.05	U		NA	0.05	U		NA	0.05	U		NA
Aroclor, Total	2.0	U		NA	2.0	U		NA	2.0	U		NA
Aroclor-1016	1.0	U		NA	1.0	U		NA	1.0	U		NA
Aroclor-1221	2.0	U		NA	2.0	U		NA	2.0	U		NA
Aroclor-1232	1.0	U		NA	1.0	U		NA	1.0	U		NA
Aroclor-1242	1.0	U		NA	1.0	U		NA	1.0	U		NA
Aroclor-1248	1.0	U		NA	1.0	U		NA	1.0	U		NA
Aroclor-1254	1.0	U		NA	1.0	U		NA	1.0	U		NA
Aroclor-1260	1.0	U		NA	1.0	U		NA	1.0	U		NA
beta-BHC	0.05	U		NA	0.05	U		NA	0.05	U		NA
delta-BHC	0.05	U		NA	0.05	U		NA	0.05	U		NA
Dieldrin	0.10	U		NA	0.10	U		NA	0.10	U		NA
Endosulfan I	0.05	U		NA	0.05	U		NA	0.05	U		NA
Endosulfan II	0.10	U		NA	0.10	U		NA	0.10	U		NA
Endosulfan Sulfate	0.10	U		NA	0.0028	J		NA	0.10	U		NA
Endrin	0.10	U		NA	0.10	U		NA	0.10	U		NA
Endrin Aldehyde	0.10	U		NA	0.002	J		NA	0.0032	J		NA
Endrin Ketone	0.10	U		NA	0.10	U		NA	0.10	U		NA
gamma-BHC	0.05	U		NA	0.05	U		NA	0.05	U		NA
gamma-Chlordane	0.05	U		NA	0.05	U		NA	0.05	U		NA
Heptachlor	0.05	U		NA	0.05	U		NA	0.05	U		NA
Heptachlor Epoxide	0.05	U		NA	0.05	U		NA	0.05	U		NA
Methoxychlor	0.50	U		NA	0.50	U		NA	0.50	U		NA
Toxaphene	5.0	U		NA	5.0	U		NA	5.0	U		NA

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SW-2029-01		APB-SW-2029-01F		APB-SW-2034-01		APB-SW-2034-01F		APC-SW-2035-01		APC-SW-2035-01F	
Sample Location	APB-SD-2029		APB-SD-2029		APB-SD-2034		APB-SD-2034		APC-SD-2035		APC SD-2035	
Interval	0 0-0 0		0.0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	10/29/99		10/29/99		11/3/99		11/3/99		11/3/99		11/3/99	
QC Identifier	None		None		None		None		None		None	
Dioxin Analysis (PG/L)	D00944				D00979				D00980			
1,2,3,4,6,7,8-HpCDD	2190	J		NA	10.3	J		NA	4.7	J		NA
1,2,3,4,6,7,8-HpCDF	580	J		NA	3.7	J		NA	2.4	J		NA
1,2,3,4,7,8,9-HpCDF	50.0	J		NA	1.3	U		NA	1.6	UJ		NA
1,2,3,4,7,8-HxCDD	28.3	EMPC		NA	1.0	U		NA	1.4	UJ		NA
1,2,3,4,7,8-HxCDF	42.7	J		NA	0.70	U		NA	1.0	UJ		NA
1,2,3,6,7,8-HxCDD	95.3	J		NA	0.90	U		NA	1.3	UJ		NA
1,2,3,6,7,8-HxCDF	34.2	J		NA	0.60	U		NA	0.80	UJ		NA
1,2,3,7,8,9-HxCDD	93.5	J		NA	1.0	U		NA	1.3	UJ		NA
1,2,3,7,8,9-HxCDF	0.00	UJ		NA	0.80	U		NA	1.0	UJ		NA
1,2,3,7,8-PeCDD	14.0	EMPC		NA	1.4	U		NA	1.9	UJ		NA
1,2,3,7,8-PeCDF	36.4	EMPC		NA	1.3	U		NA	1.7	UJ		NA
1,2,4,5,7,8-hexachloro(9H)xanthene	223.37	J		NA	0.00	U		NA	0.00	U		NA
2,3,4,6,7,8-HxCDF	43.6	J		NA	0.70	U		NA	0.90	UJ		NA
2,3,4,7,8-PeCDF	18.3	J		NA	1.3	U		NA	1.7	UJ		NA
2,3,7,8-TCDD	4000	J		NA	4.9	EMPC		NA	2.4	UJ		NA
2,3,7,8-TCDF	30.9	J		NA	1.3	UJ		NA	2.0	UJ		NA
OCDD	14890	J		NA	59.8	J		NA	30.5	J		NA
OCDF	1180	J		NA	5.1	J		NA	6.5	J		NA
Total HpCDD	4130	J		NA	17.9	J		NA	8.6	J		NA
Total HpCDF	1400	J		NA	3.7	J		NA	2.4	J		NA
Total HxCDD	626	J		NA	1.0	UJ		NA	1.3	UJ		NA
Total HxCDF	741	J		NA	0.70	UJ		NA	0.90	UJ		NA
Total PeCDD	49.5	J		NA	1.4	UJ		NA	1.9	UJ		NA
Total PeCDF	270	J		NA	1.3	UJ		NA	1.7	UJ		NA
Total TCDD	4100	J		NA	4.9	EMPC		NA	2.4	UJ		NA
Total TCDF	234	J		NA	1.3	UJ		NA	2.0	UJ		NA
Toxicity Equivalency	4090			NA	6.4			NA	3.1			NA

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APB-SW-2029-01		APB-SW-2029-01F		APB-SW-2034-01		APB-SW-2034-01F		APC-SW-2035-01		APC-SW-2035-01F	
Sample Location	APB-SD-2029		APB-SD-2029		APB-SD-2034		APB-SD-2034		APC-SD-2035		APC-SD-2035	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/29/99		10/29/99		11/3/99		11/3/99		11/3/99		11/3/99	
QC Identifier	None		None		None		None		None		None	
TAL Metal Analysis (UG/L)	**MAMF80**		**MAMF81**		**MAMG02**		**MAMB83**		**MAMB84**		**MAMB85**	
Aluminum	5070		14.0	U	122		53.4	J	95.2		89.0	
Antimony	5.0	U	5.0	U	2.1	UJ	2.1	UJ	9.4	UJ	2.1	UJ
Arsenic	12.5		6.0	U	2.2	U	2.2	U	5.6		2.2	U
Barium	144	J	217		19.0	U	222		19.1		234	
Beryllium	2.0	U	1.0	U	0.10	UJ	0.10	U	0.10	UJ	0.10	U
Cadmium	1.0	U	1.0	U	0.30	U	0.30	U	0.30	U	0.30	U
Calcium	20100		16300		7640		8120		7230		8790	
Chromium	42.0		1.0	U	1.0	U	0.30	U	1.5	U	0.80	U
Cobalt	5.4		1.0	U	0.60	U	0.60	U	0.60	J	0.60	U
Copper	83.1		4.7		6.1		2.5		2.6		3.6	
Iron	113000		435		431		239		404		251	
Lead	156		2.0	U	3.3	U	1.1	U	2.6	UJ	1.1	U
Magnesium	3730		2280		1240		1300		1190		1440	
Manganese	2600		1570		105		60.6		64.8		60.5	
Mercury	0.20	U	0.20	U	0.10	U	0.10	U	0.10	U	0.10	U
Nickel	34.3	J	7.3		2.8		2.2	J	1.3	U	1.3	U
Potassium	2520	J	1890	J	2420		2550		2160		2560	
Selenium	10.8		5.3		1.8	U	1.8	U	3.1	J	1.8	U
Silver	1.0	U	1.7	J	0.40	U	0.40	U	0.40	U	0.40	U
Sodium		R	30100		19200		24200		19600		26900	
Thallium	12.1		8.9	UJ	2.2	J	2.1	U	2.1	U	2.1	U
Vanadium	18.3		2.0	U	0.50	U	0.50	U	0.80	J	0.50	U
Zinc	500		100	J	37.4		95.4		15.2	J	75.5	

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APC-SW-2036-01		APC-DU-110399A		APC-SW-2036-01-MAX		APC-SW-2036-01F		CMW-SW-2016-01	
Sample Location	APC-SD-2036		APC-SD-2036		APC-SD-2036		APC-SD-2036		CMW-SD-2016	
Interval	0 0-0 0		0 0-0 0		0 0-0.0		0 0-0.0		0 0-0 0	
Date Sampled	11/3/99		11/3/99		11/3/99		11/3/99		10/26/00	
QC Identifier	Field Dup. APC-SW-2036-01		Field Dup. APC-SW-2036-01		Field Dup. APC-SW-2036-01		None		None	
Semivolatile Organic Analysis (UG/L)	AQB54		AQB55		AQB55				AQB34	
1,1'-Biphenyl	10	U	10	U	10	U		NA	10	U
2,2'-oxybis(1-Chloropropane)	10	UJ	10	UJ	10	U		NA	10	UJ
2,4,5-Trichlorophenol	25	U	25	U	25	U		NA	25	U
2,4,6-Trichlorophenol	10	U	10	U	10	U		NA	10	U
2,4-Dichlorophenol	10	U	10	U	10	U		NA	10	U
2,4-Dimethylphenol	10	U	10	U	10	U		NA	10	UJ
2,4-Dinitrophenol	25	UJ	25	UJ	25	U		NA	25	UJ
2,4-Dinitrotoluene	10	U	10	U	10	U		NA	10	U
2,6-Dinitrotoluene	10	U	10	U	10	U		NA	10	U
2-Chloronaphthalene	10	U	10	U	10	U		NA	10	U
2-Chlorophenol	10	U	10	U	10	U		NA	10	U
2-Methylnaphthalene	10	U	10	U	10	U		NA	10	U
2-Methylphenol	10	U	10	U	10	U		NA	10	U
2-Nitroaniline	25	U	25	U	25	U		NA	25	U
2-Nitrophenol	10	U	10	U	10	U		NA	10	U
3,3'-Dichlorobenzidine	10	U	10	U	10	U		NA	10	U
3-Nitroaniline	25	U	25	U	25	U		NA	25	U
4,6-Dinitro-2-methylphenol	25	U	25	U	25	U		NA	25	U
4-Bromophenyl-phenylether	10	U	10	U	10	U		NA	10	U
4-Chloro-3-methylphenol	10	U	10	U	10	U		NA	10	U
4-Chloroaniline	10	U	10	U	10	U		NA	10	UJ
4-Chlorophenyl-phenylether	10	U	10	U	10	U		NA	10	U
4-Methylphenol	10	U	10	U	10	U		NA	10	U
4-Nitroaniline	25	U	25	U	25	U		NA	25	U
4-Nitrophenol	25	U	25	U	25	U		NA	25	UJ
Acenaphthene	10	U	10	U	10	U		NA	10	U
Acenaphthylene	10	U	10	U	10	U		NA	10	U
Acetophenone	10	U	10	U	10	U		NA	10	U
Anthracene	10	U	10	U	10	U		NA	10	U
Atrazine	10	U	10	U	10	U		NA	10	U
Benzaldehyde	10	UJ	10	UJ	10	U		NA	10	UJ
Benzo(a)anthracene	10	U	10	U	10	U		NA	10	U
Benzo(a)pyrene	10	U	10	U	10	U		NA	10	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APC-SW-2036-01		APC-DU-110399A		APC-SW-2036-01-MAX		APC-SW-2036-01F		CMW-SW-2016-01	
Sample Location	APC-SD-2036		APC-SD-2036		APC-SD-2036		APC-SD-2036		CMW-SD-2016	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	11/3/99		11/3/99		11/3/99		11/3/99		10/26/99	
QC Identifier	Field Dup. APC-SW-2036-01		Field Dup. APC-SW-2036-01		Field Dup. APC-SW-2036-01		None		None	
Benzo(b)fluoranthene	10	U	10	U	10	U		NA	10	U
Benzo(g,h,i)perylene	10	U	10	U	10	U		NA	10	U
Benzo(k)fluoranthene	10	U	10	U	10	U		NA	10	U
Bis(2-Chloroethoxy)methane	10	U	10	U	10	U		NA	10	U
Bis(2-Chloroethyl)ether	10	UJ	10	UJ	10	U		NA	10	U
bis(2-Ethylhexyl)phthalate	10	U	10	U	10	U		NA	10	U
Butylbenzylphthalate	10	U	10	U	10	U		NA	10	U
Caprolactam	10	U	10	U	10	U		NA	10	U
Carbazole	10	U	10	U	10	U		NA	10	U
Chrysene	10	U	10	U	10	U		NA	10	U
Di-n-Butylphthalate	10	U	10	U	10	U		NA	10	U
Di-n-octylphthalate	10	U	10	U	10	U		NA	10	UJ
Dibenzo(a,h)anthracene	10	U	10	U	10	U		NA	10	U
Dibenzofuran	10	U	10	U	10	U		NA	10	U
Diethylphthalate	10	U	10	U	10	U		NA	10	U
Dimethylphthalate	10	U	10	U	10	U		NA	10	U
Fluoranthene	10	U	10	U	10	U		NA	10	U
Fluorene	10	U	10	U	10	U		NA	10	U
Hexachlorobenzene	10	U	10	U	10	U		NA	10	U
Hexachlorobutadiene	10	UJ	10	U	10	U		NA	10	U
Hexachlorocyclopentadiene	10	U	10	U	10	U		NA	10	U
Hexachloroethane	10	U	10	U	10	U		NA	10	U
Indeno(1,2,3-cd)pyrene	10	U	10	U	10	U		NA	10	U
Isophorone	10	UJ	10	UJ	10	U		NA	10	U
N-Nitroso-di-n-propylamine	10	U	10	U	10	U		NA	10	U
N-Nitroso-diphenylamine	10	U	10	U	10	U		NA	10	UJ
Naphthalene	10	U	10	U	10	U		NA	10	U
Nitrobenzene	10	U	10	U	10	U		NA	10	U
Pentachlorophenol	25	UJ	25	UJ	25	U		NA	25	U
Phenanthrene	10	U	10	U	10	U		NA	10	U
Phenol	10	U	10	U	10	U		NA	10	U
Pyrene	10	U	10	U	10	U		NA	10	U
Total PAH	10	U	10	U	10	U		NA	10	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APC-SW-2036-01		APC DU-110399A		APC-SW-2036-01-MAX		APC-SW-2036-01F		CMW-SW-2016-01	
Sample Location	APC-SD-2036		APC-SD-2036		APC-SD-2036		APC-SD-2036		CMW-SD-2016	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/3/99		11/3/99		11/3/99		11/3/99		10/26/99	
QC Identifier	Field Dup. APC-SW-2036-01		Field Dup. APC-SW-2036-01		Field Dup. APC-SW-2036-01		None		None	
Pesticide/PCB Analysis (UG/L)	AQB54		AQB55		AQB55				AQB34	
4,4'-DDD	0 10	U	0 10	U	0 10	U	NA		0 10	U
4,4'-DDE	0 10	U	0 10	U	0 10	U	NA		0 10	U
4,4'-DDT	0 10	U	0 10	U	0 10	U	NA		0 10	U
Aldrin	0 043	J	0 05	U	0 05	U	NA		0 05	U
alpha-BHC	0 043	J	0 05	U	0 05	U	NA		0 05	U
alpha-Chlordane	0 05	U	0 05	U	0 05	U	NA		0 05	U
Aroclor, Total	2 0	U	2 0	U	2 0	U	NA		2 0	U
Aroclor-1016	1 0	U	1 0	U	1 0	U	NA		1 0	U
Aroclor-1221	2 0	U	2 0	U	2 0	U	NA		2 0	U
Aroclor-1232	1 0	U	1 0	U	1 0	U	NA		1 0	U
Aroclor-1242	1 0	U	1 0	U	1 0	U	NA		1 0	U
Aroclor-1248	1 0	U	1 0	U	1 0	U	NA		1 0	U
Aroclor-1254	1 0	U	1 0	U	1 0	U	NA		1 0	U
Aroclor-1260	1 0	U	1 0	U	1 0	U	NA		1 0	U
beta-BHC	0 05	U	0 05	U	0 05	U	NA		0 05	U
delta-BHC	0 05	U	0 0059	J	0 05	U	NA		0 05	U
Dieldrin	0 10	U	0 10	U	0 10	U	NA		0 10	U
Endosulfan I	0 05	U	0 05	U	0 05	U	NA		0 05	U
Endosulfan II	0 10	U	0 10	U	0 10	U	NA		0 10	U
Endosulfan Sulfate	0 10	U	0 10	U	0 10	U	NA		0 10	U
Endrin	0 10	U	0 10	U	0 10	U	NA		0 10	U
Endrin Aldehyde	0 10	U	0 0016	J	0 10	U	NA		0 10	U
Endrin Ketone	0 10	U	0 10	U	0 10	U	NA		0 10	U
gamma-BHC	0 05	U	0 05	U	0 05	U	NA		0 05	U
gamma-Chlordane	0 05	U	0 05	U	0 05	U	NA		0 05	U
Heptachlor	0 05	U	0 05	U	0 05	U	NA		0 05	U
Heptachlor Epoxide	0 05	U	0 05	U	0 05	U	NA		0 05	U
Methoxychlor	0 50	U	0 50	U	0 50	U	NA		0 50	U
Toxaphene	5 0	U	5 0	U	5 0	U	NA		5 0	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	APC-SW-2036-01		APC-DU-110399A		APC-SW-2036-01-MAX		APC-SW-2036-01F		CMW-SW-2016-01	
Sample Location	APC-SD-2036		APC-SD-2036		APC-SD-2036		APC-SD-2036		CMW-SD-2016	
Interval	0 0-0.0		0 0-0.0		0 0-0.0		0 0-0.0		0 0-0 0	
Date Sampled	11/3/99		11/3/99		11/3/99		11/3/99		10/26/99	
QC Identifier	Field Dup. APC-SW-2036-01		Field Dup. APC-SW-2036-01		Field Dup. APC-SW-2036-01		None		None	
Dioxin Analysis (PG/L)	D00977		D00978		D00978				D00908	
1,2,3,4,6,7,8-HpCDD	13 7	J	9 3	J	13 7			NA	12 0	J
1,2,3,4,6,7,8-HpCDF	1.7	U	3.0	EMPC	1 7	U		NA	2.5	U
1,2,3,4,7,8,9-HpCDF	0 00	U	0.00	U		NA		NA	3.3	U
1,2,3,4,7,8-HxCDD	2.0	U	1.6	U	2 0	U		NA	2 9	U
1,2,3,4,7,8-HxCDF	1 4	U	1 1	U	1.4	U		NA	1 8	U
1,2,3,6,7,8-HxCDD	1 8	U	1 5	U	1 8	U		NA	2 7	U
1,2,3,6,7,8-HxCDF	1 2	U	1 0	U	1 2	U		NA	1 7	U
1,2,3,7,8,9-HxCDD	1 9	U	1 6	U	1 9	U		NA	2 7	U
1,2,3,7,8,9-HxCDF	1.5	U	1.2	U	1 5	U		NA	2.0	U
1,2,3,7,8-PeCDD	2.9	U	2.3	U	2.9	U		NA	3.4	U
1,2,3,7,8-PeCDF	2.5	U	1.8	U	2.5	U		NA	3.1	U
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U	0.00	U		NA		NA	0.00	U
2,3,4,6,7,8-HxCDF	1.3	U	1.1	U	1 3	U		NA	1 8	U
2,3,4,7,8-PeCDF	2.5	U	1 8	U	2 5	U		NA	3.1	U
2,3,7,8-TCDD	3.3	UJ	5.0	EMPC	5.0			NA	4.2	UJ
2,3,7,8-TCDF	0.00	UJ	2.0	UJ	2 0	U		NA	3.8	UJ
OCDD	96.2	J	49.7	J	96 2			NA	74.7	J
OCDF	6 1	J	6 0	EMPC	6 1			NA	14 5	J
Total HpCDD	27.5	J	15.0	J	27.5			NA	12 0	J
Total HpCDF	2.0	UJ	4 4	J	4 4			NA	0.00	UJ
Total HxCDD	1.9	UJ	1.6	UJ	1 9	U		NA	4.7	EMPC
Total HxCDF	1.4	UJ	0.00	UJ	1 4	U		NA	1 8	UJ
Total PeCDD	2.9	UJ	2.3	UJ	2 9	U		NA	3 4	UJ
Total PeCDF	2 5	UJ	0.00	UJ	2.5	U		NA	3.1	UJ
Total TCDD	3 3	UJ	5.0	EMPC	5 0			NA	4 2	UJ
Total TCDF	2 9	UJ	0.00	UJ	2 9	U		NA	3 8	UJ
Toxicity Equivalency	4 4		7 3		7 3			NA	5 7	

Summary of Surface Water Analytical Results
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Sample Number	APC-SW-2036-01		APC-DU-110399A		APC-SW-2036-01-MAX		APC-SW-2036-01F		CMW-SW-2016-01	
Sample Location	APC-SD-2036		APC-SD-2036		APC-SD-2036		APC-SD-2036		CMW-SD-2016	
Interval	0 0-0 0		0 0-0 0		0.0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/3/99		11/3/99		11/3/99		11/3/99		10/26/99	
QC Identifier	Field Dup. APC-SW-2036-01		Field Dup. APC-SW-2036-01		Field Dup APC-SW-2036-01		None		None	
TAL Metal Analysis (UG/L)	MAMG00				MAMG00		MAMG01		MAMF00	
Aluminum	88 2			NA	88 2		117		90 5	U
Antimony	2 1	UJ		NA	2 1	U	2 1	UJ	5 0	U
Arsenic	2 4	J		NA	2 4		2 2	U	8 7	J
Barium	18 4			NA	18 4		193		25 0	
Beryllium	0 10	U		NA	0 10	U	0 10	U	1 0	U
Cadmium	0 30	U		NA	0 30	U	0 30	U	1 0	U
Calcium	7460			NA	7460		7680		19700	
Chromium	0 50	UJ		NA	0 50	U	1 0	U	1 0	U
Cobalt	0 60	U		NA	0 60	U	0 60	U	1 0	U
Copper	16 8			NA	16 8		2 1		10 4	
Iron	442			NA	442		329		628	
Lead	5 6	J		NA	5 6		2 0	UJ	2 0	U
Magnesium	1200			NA	1200		1270		2290	
Manganese	128			NA	128		95 2		14 1	
Mercury	0 10	U		NA	0 10	U	0 10	U	0 20	U
Nickel	2 9			NA	2 9		2 2	J	4 4	
Potassium	2410			NA	2410		2490		2650	J
Selenium	1 8	U		NA	1 8	U	3 0	UJ	5 0	U
Silver	0 40	U		NA	0 40	U	0 40	U	1 0	J
Sodium	18300			NA	18300		23300		20900	
Thallium	2 1	U		NA	2 1	U	4 4	U	7 0	U
Vanadium	0 50	U		NA	0 50	U	0 60	J	2 0	U
Zinc	34 3			NA	34 3		61 4		68 0	

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Sample Number	CMW-SW-2018-01F		CMW-SW-2019-01		CMW-SW-2019-01F		CMW-SW-2020-01		CMW-SW-2020-01F		CMW-SW-2021-01	
Sample Location	CMW-SD-2018		CMW-SD-2019		CMW-SD-2019		CMW-SD-2020		CMW-SD-2020		CMW-SD-2021	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/26/99		10/26/99		10/26/99		10/26/99		10/26/99		10/26/99	
QC Identifier	None		None		None		None		None		None	
Semivolatile Organic Analysis (UG/L)			AQB35				AQB33				AQB32	
1,1'-Biphenyl		NA	10	U		NA	10	U		NA	10	U
2,2'-oxybis(1-Chloropropane)		NA	10	UJ		NA	10	UJ		NA	10	UJ
2,4,5-Trichlorophenol		NA	25	U		NA	25	U		NA	25	U
2,4,6-Trichlorophenol		NA	10	U		NA	10	U		NA	10	U
2,4-Dichlorophenol		NA	10	U		NA	10	U		NA	10	U
2,4-Dimethylphenol		NA	10	UJ		NA	10	UJ		NA	10	UJ
2,4-Dinitrophenol		NA	25	UJ		NA	25	UJ		NA	25	UJ
2,4-Dinitrotoluene		NA	10	U		NA	10	U		NA	10	U
2,6-Dinitrotoluene		NA	10	U		NA	10	U		NA	10	U
2-Chloronaphthalene		NA	10	U		NA	10	U		NA	10	U
2-Chlorophenol		NA	10	U		NA	10	U		NA	10	U
2-Methylnaphthalene		NA	10	U		NA	10	U		NA	10	U
2-Methylphenol		NA	10	U		NA	10	U		NA	10	U
2-Nitroaniline		NA	25	U		NA	25	U		NA	25	U
2-Nitrophenol		NA	10	U		NA	10	U		NA	10	U
3,3'-Dichlorobenzidine		NA	10	U		NA	10	U		NA	10	U
3-Nitroaniline		NA	25	U		NA	25	U		NA	25	U
4,6-Dinitro-2-methylphenol		NA	25	U		NA	25	U		NA	25	U
4-Bromophenyl-phenylether		NA	10	U		NA	10	U		NA	10	U
4-Chloro-3-methylphenol		NA	10	U		NA	10	U		NA	10	U
4-Chloroaniline		NA	10	UJ		NA	10	UJ		NA	10	U
4-Chlorophenyl-phenylether		NA	10	U		NA	10	U		NA	10	U
4-Methylphenol		NA	10	U		NA	10	U		NA	10	U
4-Nitroaniline		NA	25	U		NA	25	U		NA	25	U
4-Nitrophenol		NA	25	UJ		NA	25	UJ		NA	25	UJ
Acenaphthene		NA	10	U		NA	10	U		NA	10	U
Acenaphthylene		NA	10	U		NA	10	U		NA	10	U
Acetophenone		NA	10	U		NA	10	U		NA	10	U
Anthracene		NA	10	U		NA	10	U		NA	10	U
Atrazine		NA	10	U		NA	10	U		NA	10	U
Benzaldehyde		NA	10	UJ		NA	10	UJ		NA	10	UJ
Benzo(a)anthracene		NA	10	U		NA	10	U		NA	10	U
Benzo(a)pyrene		NA	10	U		NA	10	U		NA	10	U

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Sample Number	CMW-SW-2018-01F		CMW-SW-2019-01		CMW-SW-2019-01F		CMW-SW-2020-01		CMW-SW-2020-01F		CMW-SW-2021-01	
Sample Location	CMW-SD-2018		CMW-SD-2019		CMW-SD-2019		CMW-SD-2020		CMW-SD-2020		CMW-SD-2021	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	10/26/99		10/26/99		10/26/99		10/26/99		10/26/99		10/26/99	
QC Identifier	None		None		None		None		None		None	
Benzo(b)fluoranthene		NA	10	U		NA	10	U		NA	10	U
Benzo(g,h,i)perylene		NA	10	U		NA	10	U		NA	10	U
Benzo(k)fluoranthene		NA	10	U		NA	10	U		NA	10	U
Bis(2-Chloroethoxy)methane		NA	10	U		NA	10	U		NA	10	U
Bis(2-Chloroethyl)ether		NA	10	U		NA	10	U		NA	10	U
bis(2-Ethylhexyl)phthalate		NA	10	U		NA	10	U		NA	10	U
Butylbenzylphthalate		NA	10	U		NA	10	U		NA	10	U
Caprolactam		NA	10	U		NA	10	U		NA	10	U
Carbazole		NA	10	U		NA	10	U		NA	10	U
Chrysene		NA	10	U		NA	10	U		NA	10	U
Di-n-Butylphthalate		NA	10	U		NA	10	U		NA	10	U
Di-n-octylphthalate		NA	10	UJ		NA	10	UJ		NA	10	UJ
Dibenzo(a,h)anthracene		NA	10	U		NA	10	U		NA	10	U
Dibenzofuran		NA	10	U		NA	10	U		NA	10	U
Diethylphthalate		NA	10	U		NA	10	U		NA	10	U
Dimethylphthalate		NA	10	U		NA	10	U		NA	10	U
Fluoranthene		NA	10	U		NA	10	U		NA	10	U
Fluorene		NA	10	U		NA	10	U		NA	10	U
Hexachlorobenzene		NA	10	U		NA	10	U		NA	10	U
Hexachlorobutadiene		NA	10	U		NA	10	U		NA	10	U
Hexachlorocyclopentadiene		NA	10	U		NA	10	U		NA	10	U
Hexachloroethane		NA	10	U		NA	10	U		NA	10	U
Indeno(1,2,3-cd)pyrene		NA	10	U		NA	10	U		NA	10	U
Isophorone		NA	10	U		NA	10	U		NA	10	U
N-Nitroso-di-n-propylamine		NA	10	U		NA	10	U		NA	10	U
N-Nitroso-diphenylamine		NA	10	UJ		NA	10	UJ		NA	10	UJ
Naphthalene		NA	10	U		NA	10	U		NA	10	U
Nitrobenzene		NA	10	U		NA	10	U		NA	10	U
Pentachlorophenol		NA	25	U		NA	25	U		NA	25	U
Phenanthrene		NA	10	U		NA	10	U		NA	10	U
Phenol		NA	2	J		NA	10	U		NA	10	U
Pyrene		NA	10	U		NA	10	U		NA	10	U
Total PAH		NA	10	U		NA	10	U		NA	10	U

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Sample Number	CMW-SW-2018-01F		CMW-SW-2019-01		CMW-SW-2019-01F		CMW-SW-2020-01		CMW-SW-2020-01F		CMW-SW-2021-01	
Sample Location	CMW-SD-2018		CMW-SD-2019		CMW-SD-2019		CMW-SD-2020		CMW-SD-2020		CMW-SD-2021	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	10/26/99		10/26/99		10/26/99		10/26/99		10/26/99		10/20/99	
QC Identifier	None		None		None		None		None		None	
Pesticide/PCB Analysis (UG/L)			AQB35				AQB33				AQB32	
4,4'-DDD		NA	0 10	U		NA	0 10	U		NA	0 10	U
4,4'-DDE		NA	0 10	U		NA	0 10	U		NA	0 10	U
4,4'-DDT		NA	0 10	U		NA	0 10	U		NA	0 10	U
Aldrin		NA	0 05	U		NA	0 05	U		NA	0 05	U
alpha-BHC		NA	0 05	U		NA	0 05	U		NA	0 05	U
alpha-Chlordane		NA	0 05	U		NA	0 05	U		NA	0 05	U
Aroclor, Total		NA	4 6			NA	2 0	U		NA	2 0	U
Aroclor-1016		NA	1 0	U		NA	1 0	U		NA	1 0	U
Aroclor-1221		NA	2 0	U		NA	2 0	U		NA	2 0	U
Aroclor-1232		NA	1 0	U		NA	1 0	U		NA	1 0	U
Aroclor-1242		NA	1 0	U		NA	1 0	U		NA	1 0	U
Aroclor-1248		NA	1 0	U		NA	1 0	U		NA	1 0	U
Aroclor-1254		NA	4 6			NA	1 0	U		NA	1 0	U
Aroclor-1260		NA	1 0	U		NA	1 0	U		NA	1 0	U
beta-BHC		NA	0 05	U		NA	0 05	U		NA	0 05	U
delta-BHC		NA	0 05	U		NA	0 05	U		NA	0 05	U
Dieldrin		NA	0 10	U		NA	0 10	U		NA	0 10	U
Endosulfan I		NA	0 05	U		NA	0 05	U		NA	0 05	U
Endosulfan II		NA	0 10	U		NA	0 10	U		NA	0 10	U
Endosulfan Sulfate		NA	0 49			NA	0 10	U		NA	0 10	U
Endrin		NA	0 21			NA	0 10	U		NA	0 10	U
Endrin Aldehyde		NA	0 10	U		NA	0 10	U		NA	0 10	U
Endrin Ketone		NA	0 10	U		NA	0 10	U		NA	0 10	U
gamma-BHC		NA	0 05	U		NA	0 05	U		NA	0 05	U
gamma-Chlordane		NA	0 12			NA	0 05	U		NA	0 05	U
Heptachlor		NA	0 05	U		NA	0 05	U		NA	0 05	U
Heptachlor Epoxide		NA	0 05	U		NA	0 05	U		NA	0 05	U
Methoxychlor		NA	0 50	U		NA	0 50	U		NA	0 50	U
Toxaphene		NA	5 0	U		NA	5 0	U		NA	5 0	U

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Sample Number	CMW-SW-2018-01F		CMW-SW-2019-01		CMW-SW-2019-01F		CMW-SW-2020-01		CMW-SW-2020-01F		CMW-SW-2021-01	
Sample Location	CMW-SD-2018		CMW-SD-2019		CMW-SD-2019		CMW-SD-2020		CMW-SD-2020		CMW-SD-2021	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/26/99		10/26/99		10/26/99		10/26/99		10/26/99		10/26/99	
QC Identifier	None		None		None		None		None		None	
Dioxin Analysis (PG/L)			D00910				D00905				D00903	
1,2,3,4,6,7,8-HpCDD		NA	4780			NA	122			NA	7.9	J
1,2,3,4,6,7,8-HpCDF		NA	991			NA	29.5	J		NA	4.3	J
1,2,3,4,7,8,9-HpCDF		NA	59.6	EMPC		NA	4.3	U		NA	3.3	UJ
1,2,3,4,7,8-HxCDD		NA	81.7			NA	3.5	U		NA	2.8	UJ
1,2,3,4,7,8-HxCDF		NA	73.0			NA	2.8	EMPC		NA	1.8	UJ
1,2,3,6,7,8-HxCDD		NA	232			NA	6.4	EMPC		NA	2.6	UJ
1,2,3,6,7,8-HxCDF		NA	57.9			NA	2.8	J		NA	1.7	UJ
1,2,3,7,8,9-HxCDD		NA	196			NA	7.2	J		NA	2.6	UJ
1,2,3,7,8,9-HxCDF		NA	6.3	J		NA	2.6	U		NA	2.2	J
1,2,3,7,8-PeCDD		NA	35.4	J		NA	4.1	U		NA	3.4	UJ
1,2,3,7,8-PeCDF		NA	14.1	J		NA	2.5	U		NA	2.8	UJ
1,2,4,5,7,8-hexachloro(9H)xanthene		NA	398	J		NA	0.00	U		NA	0.00	U
2,3,4,6,7,8-HxCDF		NA	78.2			NA	2.3	U		NA	1.8	UJ
2,3,4,7,8-PeCDF		NA	28.2	J		NA	2.5	U		NA	2.8	UJ
2,3,7,8-TCDD		NA	12740	J		NA	28.5			NA	3.7	UJ
2,3,7,8-TCDF		NA	53.1	J		NA	3.1	UJ		NA	3.1	UJ
OCDD		NA	27700	J		NA	726			NA	44.5	UJ
OCDF		NA	1950	J		NA	56.0	J		NA	20.9	J
Total HpCDD		NA	8090	J		NA	223	J		NA	13.9	J
Total HpCDF		NA	2310	J		NA	56.3	J		NA	9.1	J
Total HxCDD		NA	1380	J		NA	7.2	J		NA	9.6	EMPC
Total HxCDF		NA	1370	J		NA	28.2	J		NA	4.8	J
Total PeCDD		NA	104	J		NA	4.1	UJ		NA	3.4	UJ
Total PeCDF		NA	493	J		NA	8.9	EMPC		NA	2.8	UJ
Total TCDD		NA	12870	J		NA	28.5	J		NA	3.7	UJ
Total TCDF		NA	555	J		NA	3.1	UJ		NA	3.1	UJ
Toxicity Equivalency		NA	12900			NA	35.3			NA	0.34	

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	CMW-SW-2018-01F		CMW-SW-2019-01		CMW-SW-2019-01F		CMW-SW-2020-01		CMW-SW-2020-01F		CMW-SW-2021-01	
Sample Location	CMW-SD-2018		CMW-SD-2019		CMW-SD-2019		CMW-SD-2020		CMW-SD-2020		CMW-SD-2021	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/26/99		10/26/99		10/26/99		10/26/99		10/26/99		10/26/99	
QC Identifier	None		None		None		None		None		None	
TAL Metal Analysis (UG/L)	MAMF67		MAMF68		MAMF69		MAMF64		MAMF65		MAMF63	
Aluminum	79.7	U	6190		46.3	U	174		26.0	UJ	82.4	U
Antimony	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Arsenic	7.8	J	10.9		8.1	J	6.1	J	7.4	J	9.5	J
Barium	23.3	U	91.7		183		17.8		206		22.4	
Beryllium	1.0	U	1.1	UJ	1.0	U	1.0	U	1.0	U	1.0	U
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	18300		23500		22700		15900		15000		14300	
Chromium	1.0	U	23.1		1.0	U	1.0	U	1.0	U	1.0	U
Cobalt	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U
Copper	12.7		91.4		16.0		16.6		5.7		14.8	
Iron	514		29100		7950		1540		760		3810	
Lead	2.0	U	223		2.0	U	2.0	U	2.0	U	2.0	U
Magnesium	2130		4750		2860		1410		1270		1280	
Manganese	9.6		1030		862		226		272		244	
Mercury	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	4.0		18.8		8.2		5.5		3.8	J	5.5	
Potassium	2610	J	5370	J	4410	J	1650	J	1690	J	1490	J
Selenium	5.0	U	5.0	U	5.0	U	7.8		5.0	U	5.0	U
Silver	1.0	U	1.5	J	1.0	U	1.0	U	1.0	U	1.0	U
Sodium	21000		39700		47500		19000		23800		15600	
Thallium	7.0	U	8.9	UJ	7.0	U	7.0	U	7.0	U	7.0	U
Vanadium	2.0	U	22.0		2.0	U	2.0	U	2.0	U	2.0	U
Zinc	59.6	J	292		78.2	J	35.4		88.7	J	28.7	

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	CMW-SW-2021-01F		CMW-SW-2022-01		CMW-SW-2022-01F		CMW-SW-2023-01		CMW-DU-102799B	
Sample Location	CMW-SD-2021		CMW-SD-2022		CMW-SD-2022		CMW-SD-2023		CMW-SD-2023	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/26/99		10/27/99		10/27/99		10/27/99		10/27/99	
QC Identifier	None		None		None		Field Dup. CMW-SW-2023-01		Field Dup CMW-SW-2023-01	
Semivolatile Organic Analysis (UG/L)			AQB39				AQB36		AQB38	
1,1'-Biphenyl	NA	10	U		NA	10	U	10	U	
2,2'-oxybis(1-Chloropropane)	NA	10	UJ		NA	10	UJ	10	UJ	
2,4,5-Trichlorophenol	NA	25	U		NA	25	U	25	U	
2,4,6-Trichlorophenol	NA	10	U		NA	10	U	10	U	
2,4-Dichlorophenol	NA	10	U		NA	10	U	10	U	
2,4-Dimethylphenol	NA	10	UJ		NA	10	UJ	10	UJ	
2,4-Dinitrophenol	NA	25	UJ		NA	25	UJ	25	UJ	
2,4-Dinitrotoluene	NA	10	U		NA	10	U	10	U	
2,6-Dinitrotoluene	NA	10	U		NA	10	U	10	U	
2-Chloronaphthalene	NA	10	U		NA	10	U	10	U	
2-Chlorophenol	NA	10	U		NA	10	U	10	U	
2-Methylnaphthalene	NA	10	U		NA	10	U	10	U	
2-Methylphenol	NA	10	U		NA	10	U	10	U	
2-Nitroaniline	NA	25	U		NA	25	U	25	U	
2-Nitrophenol	NA	10	U		NA	10	U	10	U	
3,3'-Dichlorobenzidine	NA	10	U		NA	10	U	10	U	
3-Nitroaniline	NA	25	U		NA	25	U	25	U	
4,6-Dinitro-2-methylphenol	NA	25	U		NA	25	U	25	U	
4-Bromophenyl-phenylether	NA	10	U		NA	10	U	10	U	
4-Chloro-3-methylphenol	NA	10	U		NA	10	U	10	U	
4-Chloroaniline	NA	10	UJ		NA	10	UJ	10	UJ	
4-Chlorophenyl-phenylether	NA	10	U		NA	10	U	10	U	
4-Methylphenol	NA	10	U		NA	10	U	10	U	
4-Nitroaniline	NA	25	U		NA	25	U	25	U	
4-Nitrophenol	NA	25	UJ		NA	25	UJ	25	UJ	
Acenaphthene	NA	10	U		NA	10	U	10	U	
Acenaphthylene	NA	10	U		NA	10	U	10	U	
Acetophenone	NA	10	U		NA	10	U	10	U	
Anthracene	NA	10	U		NA	10	U	10	U	
Atrazine	NA	10	U		NA	10	U	10	U	
Benzaldehyde	NA	10	UJ		NA	10	UJ	10	UJ	
Benzo(a)anthracene	NA	10	U		NA	10	U	10	U	
Benzo(a)pyrene	NA	10	U		NA	10	U	10	U	

Summary of Surface Water Analytical Results
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Sample Number	CMW-SW-2021-01F		CMW-SW-2022-01		CMW-SW-2022-01F		CMW-SW-2023-01		CMW-DU-1027998	
Sample Location	CMW-SD-2021		CMW-SD-2022		CMW-SD-2022		CMW-SD-2023		CMW-SD-2023	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/26/99		10/27/99		10/27/99		10/27/99		10/27/99	
QC Identifier	None		None		None		Field Dup. CMW-SW-2023-01		Field Dup. CMW-SW-2023-01	
Benzo(b)fluoranthene		NA	10	U		NA	10	U	10	U
Benzo(g,h,i)perylene		NA	10	U		NA	10	U	10	U
Benzo(k)fluoranthene		NA	10	U		NA	10	U	10	U
Bis(2-Chloroethoxy)methane		NA	10	U		NA	10	U	10	U
Bis(2-Chloroethyl)ether		NA	10	U		NA	10	U	10	U
bis(2-Ethylhexyl)phthalate		NA	10	U		NA	10	U	10	U
Butylbenzylphthalate		NA	10	U		NA	10	U	10	U
Caprolactam		NA	10	U		NA	10	U	10	U
Carbazole		NA	10	U		NA	10	U	10	U
Chrysene		NA	10	U		NA	10	U	10	U
Di-n-Butylphthalate		NA	10	U		NA	10	U	10	U
Di-n-octylphthalate		NA	10	UJ		NA	10	UJ	10	UJ
Dibenzo(a,h)anthracene		NA	10	U		NA	10	U	10	U
Dibenzofuran		NA	10	U		NA	10	U	10	U
Diethylphthalate		NA	10	U		NA	10	U	10	U
Dimethylphthalate		NA	10	U		NA	10	U	10	U
Fluoranthene		NA	10	U		NA	10	U	10	U
Fluorene		NA	10	U		NA	10	U	10	U
Hexachlorobenzene		NA	10	U		NA	10	U	10	U
Hexachlorobutadiene		NA	10	U		NA	10	U	10	U
Hexachlorocyclopentadiene		NA	10	U		NA	10	U	10	U
Hexachloroethane		NA	10	U		NA	10	U	10	U
Indeno(1,2,3-cd)pyrene		NA	10	U		NA	10	U	10	U
Isophorone		NA	10	U		NA	10	U	10	U
N-Nitroso-di-n-propylamine		NA	10	U		NA	10	U	10	U
N-Nitroso-diphenylamine		NA	10	UJ		NA	10	UJ	10	UJ
Naphthalene		NA	10	U		NA	10	U	10	U
Nitrobenzene		NA	10	U		NA	10	U	10	U
Pentachlorophenol		NA	25	U		NA	25	U	25	U
Phenanthrene		NA	10	U		NA	10	U	10	U
Phenol		NA	10	U		NA	10	U	10	U
Pyrene		NA	10	U		NA	10	U	10	U
Total PAH		NA	10	U		NA	10	U	10	U

Summary of Surface Water Analytical Results
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Sample Number	CMW-SW-2021-01F		CMW-SW-2022-01		CMW-SW-2022-01F		CMW-SW-2023-01		CMW-DU-102799B	
Sample Location	CMW-SD-2021		CMW-SD-2022		CMW-SD-2022		CMW-SD-2023		CMW-SD-2023	
Interval	0 0-0 0		0 0-0 0		0.0-0.0		0 0-0 0		0 0-0 0	
Date Sampled	10/26/99		10/27/99		10/27/99		10/27/99		10/27/99	
QC Identifier	None		None		None		Field Dup. CMW-SW-2023-01		Field Dup. CMW-SW-2023-01	
Pesticide/PCB Analysis (UG/L)			AQB39				AQB36		AQB36	
4,4'-DDD		NA	0 10	U		NA	0 10	U	0 10	U
4,4'-DDE		NA	0 10	U		NA	0 10	U	0 10	U
4,4'-DDT		NA	0 10	U		NA	0 10	U	0 10	U
Aldrin		NA	0 05	U		NA	0 05	U	0 05	U
alpha-BHC		NA	0 05	U		NA	0 05	U	0 05	U
alpha-Chlordane		NA	0 05	U		NA	0 05	U	0 05	U
Aroclor, Total		NA	2 0	U		NA	2 0	U	2 0	U
Aroclor-1016		NA	1 0	U		NA	1 0	U	1 0	U
Aroclor-1221		NA	2.0	U		NA	2 0	U	2.0	U
Aroclor-1232		NA	1.0	U		NA	1.0	U	1.0	U
Aroclor-1242		NA	1.0	U		NA	1.0	U	1.0	U
Aroclor-1248		NA	1.0	U		NA	1.0	U	1.0	U
Aroclor-1254		NA	1.0	U		NA	1 0	U	1.0	U
Aroclor-1260		NA	1.0	U		NA	1.0	U	1.0	U
beta-BHC		NA	0 05	U		NA	0.05	U	0.05	U
delta-BHC		NA	0 05	U		NA	0 05	U	0.05	U
Dieldrin		NA	0 10	U		NA	0 10	U	0.10	U
Endosulfan I		NA	0 05	U		NA	0 05	U	0.05	U
Endosulfan II		NA	0 10	U		NA	0 10	U	0.10	U
Endosulfan Sulfate		NA	0 10	U		NA	0 10	U	0.10	U
Endrin		NA	0 10	U		NA	0 10	U	0.10	U
Endrin Aldehyde		NA	0 10	U		NA	0 10	U	0.10	U
Endrin Ketone		NA	0 10	U		NA	0 10	U	0.10	U
gamma-BHC		NA	0 05	U		NA	0 05	U	0 05	U
gamma-Chlordane		NA	0 05	U		NA	0 05	U	0.05	U
Heptachlor		NA	0 05	U		NA	0 05	U	0 05	U
Heptachlor Epoxide		NA	0 05	U		NA	0 05	U	0 05	U
Methoxychlor		NA	0 50	U		NA	0 50	U	0 50	U
Toxaphene		NA	5 0	U		NA	5 0	U	5 0	U

Summary of Surface Water Analytical Results
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Sample Number	CMW-SW-2021-01F		CMW-SW-2022-01		CMW-SW-2022-01F		CMW-SW-2023-01		CMW-DU-102799B	
Sample Location	CMW-SD-2021		CMW-SD-2022		CMW-SD-2022		CMW-SD-2023		CMW-SD-2023	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/26/99		10/27/99		10/27/99		10/27/99		10/27/99	
QC Identifier	None		None		None		Field Dup. CMW-SW-2023-01		Field Dup. CMW-SW-2023-01	
Dioxin Analysis (PG/L)							D00915		D00916	
1,2,3,4,6,7,8-HpCDD		NA		NA		NA	53.7		50.9	J
1,2,3,4,6,7,8-HpCDF		NA		NA		NA	14.7	J	13.1	J
1,2,3,4,7,8,9-HpCDF		NA		NA		NA	3.5	U	3.1	U
1,2,3,4,7,8-HxCDD		NA		NA		NA	2.9	U	2.6	U
1,2,3,4,7,8-HxCDF		NA		NA		NA	1.9	U	1.7	U
1,2,3,6,7,8-HxCDD		NA		NA		NA	2.7	U	3.5	J
1,2,3,6,7,8-HxCDF		NA		NA		NA	1.8	U	1.7	U
1,2,3,7,8,9-HxCDD		NA		NA		NA	2.7	U	2.4	U
1,2,3,7,8,9-HxCDF		NA		NA		NA	2.2	U	2.0	U
1,2,3,7,8-PeCDD		NA		NA		NA	3.5	U	2.6	U
1,2,3,7,8-PeCDF		NA		NA		NA	3.2	U	2.2	U
1,2,4,5,7,8-hexachloro(9H)xanthene		NA		NA		NA	0.00	U	0.00	U
2,3,4,6,7,8-HxCDF		NA		NA		NA	1.9	U	1.8	U
2,3,4,7,8-PeCDF		NA		NA		NA	3.2	U	2.2	U
2,3,7,8-TCDD		NA		NA		NA	22.9	J	15.9	J
2,3,7,8-TCDF		NA		NA		NA	3.3	U	2.7	U
OCDD		NA		NA		NA	315		279	
OCDF		NA		NA		NA	31.1	J	29.2	J
Total HpCDD		NA		NA		NA	97.5	J	89.1	J
Total HpCDF		NA		NA		NA	33.0	J	27.2	J
Total HxCDD		NA		NA		NA	6.4	EMPC	10.9	J
Total HxCDF		NA		NA		NA	12.8	J	12.8	J
Total PeCDD		NA		NA		NA	3.5	UJ	2.6	UJ
Total PeCDF		NA		NA		NA	3.2	UJ	2.2	UJ
Total TCDD		NA		NA		NA	22.9	J	15.9	J
Total TCDF		NA		NA		NA	3.3	UJ	2.7	UJ
Toxicity Equivalency		NA		NA		NA	27.1		19.5	

Summary of Surface Water Analytical Results
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Sample Number	CMW-SW-2021-01F		CMW-SW-2022-01		CMW-SW-2022-01F		CMW-SW-2023-01		CMW-DU-102799B	
Sample Location	CMW-SD-2021		CMW-SD-2022		CMW-SD-2022		CMW-SD-2023		CMW-SD-2023	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0.0-0 0		0.0-0 0	
Date Sampled	10/26/99		10/27/99		10/27/99		10/27/99		10/27/99	
QC Identifier	None		None		None		Field Dup. CMW-SW-2023-01		Field Dup CMW-SW-2023-01	
TAL Metal Analysis (UG/L)	MAMF62		MAMF74		MAMF75		MAMF70			
Aluminum	39.0	U	36 2	U	23 4	U	198			NA
Antimony	5 0	U	5 0	U	5 0	U	5.0	U		NA
Arsenic	7 7	J	7.3	J	7.9	J	8 5	J		NA
Barium	8 3	U	33.1		136	U	37 2			NA
Beryllium	2.5	U	1 1	U	1 1	U	1.0	U		NA
Cadmium	1 0	U	1.0	U	1.0	U	1.0	U		NA
Calcium	5380		21000		21300		34100			NA
Chromium	1 0	U	1.0	U	1.0	U	1.0	U		NA
Cobalt	1.0	U	1 0	U	1.0	U	1 0	U		NA
Copper	2.2		2.5		3.2		17.0			NA
Iron	547		1110		877		1430			NA
Lead	2.0	U	2 0	U	2.0	U	11 5			NA
Magnesium	462		2180		2230		5810			NA
Manganese	88.7		172		170		249			NA
Mercury	0 20	U	0 20	U	0 20	U	0 20	U		NA
Nickel	3 4	J	4 4		4 6		4 5			NA
Potassium	613	J	2730	J	3150	J	4440	J		NA
Selenium	5.0	U	5 9		5 0	U	5 0	U		NA
Silver	1 6	J	1 2	J	1 0	U	1 3	J		NA
Sodium	7610	U	37100		41900		22000			NA
Thallium	7 0	U	11.2	J	7.0	J	10 9			NA
Vanadium	2 0	U	2.0	U	2.0	U	2 0	U		NA
Zinc	11.8	UJ	27 9		105		32 6			NA

Summary of Surface Water Analytical Results
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Sample Number	CMW-SW-2023-01-MAX		CMW-SW-2023-01F		CMW-SW-DU-102799B		CMW-SW-2023-01F-MAX		CMW-SW-2024-01	
Sample Location	CMW-SD-2023		CMW-SD-2023		CMW-SD-2023		CMW-SD-2023		CMW-SD-2024	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/27/99		10/27/99		10/27/99		10/27/99		10/27/99	
QC Identifier	Field Dup. CMW-SW-2023-01		Field Dup. CMW-SW-2023-01F		Field Dup. CMW-SW-2023-01F		Field Dup. CMW-SW-2023-01F		None	
Semivolatile Organic Analysis (UG/L)	AQB36								AQB37	
1,1'-Biphenyl	10	U		NA		NA		NA	10	U
2,2'-oxybis(1-Chloropropane)	10	U		NA		NA		NA	10	UJ
2,4,5-Trichlorophenol	25	U		NA		NA		NA	25	U
2,4,6-Trichlorophenol	10	U		NA		NA		NA	10	U
2,4-Dichlorophenol	10	U		NA		NA		NA	10	U
2,4-Dimethylphenol	10	U		NA		NA		NA	10	UJ
2,4-Dinitrophenol	25	U		NA		NA		NA	25	UJ
2,4-Dinitrotoluene	10	U		NA		NA		NA	10	U
2,6-Dinitrotoluene	10	U		NA		NA		NA	10	U
2-Chloronaphthalene	10	U		NA		NA		NA	10	U
2-Chlorophenol	10	U		NA		NA		NA	10	U
2-Methylnaphthalene	10	U		NA		NA		NA	10	U
2-Methylphenol	10	U		NA		NA		NA	10	U
2-Nitroaniline	25	U		NA		NA		NA	25	U
2-Nitrophenol	10	U		NA		NA		NA	10	U
3,3'-Dichlorobenzidine	10	U		NA		NA		NA	10	U
3-Nitroaniline	25	U		NA		NA		NA	25	U
4,6-Dinitro-2-methylphenol	25	U		NA		NA		NA	25	U
4-Bromophenyl-phenylether	10	U		NA		NA		NA	10	U
4-Chloro-3-methylphenol	10	U		NA		NA		NA	10	U
4-Chloroaniline	10	U		NA		NA		NA	10	UJ
4-Chlorophenyl-phenylether	10	U		NA		NA		NA	10	U
4-Methylphenol	10	U		NA		NA		NA	10	U
4-Nitroaniline	25	U		NA		NA		NA	25	U
4-Nitrophenol	25	U		NA		NA		NA	25	UJ
Acenaphthene	10	U		NA		NA		NA	10	U
Acenaphthylene	10	U		NA		NA		NA	10	U
Acetophenone	10	U		NA		NA		NA	10	U
Anthracene	10	U		NA		NA		NA	10	U
Atrazine	10	U		NA		NA		NA	10	U
Benzaldehyde	10	U		NA		NA		NA	10	U
Benzo(a)anthracene	10	U		NA		NA		NA	10	U
Benzo(a)pyrene	10	U		NA		NA		NA	10	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SW-2023-01-MAX		CMW-SW-2023-01F		CMW-SW-DU-102799B		CMW-SW-2023-01F-MAX		CMW-SW-2024-01	
Sample Location	CMW-SD-2023		CMW-SD-2023		CMW-SD-2023		CMW-SD-2023		CMW-SD-2024	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	10/27/99		10/27/99		10/27/99		10/27/99		10/27/00	
QC Identifier	Field Dup. CMW-SW-2023-01		Field Dup. CMW-SW-2023-01F		Field Dup. CMW-SW-2023-01F		Field Dup. CMW-SW-2023-01F		None	
Benzo(b)fluoranthene	10	U			NA		NA		10	U
Benzo(g,h,i)perylene	10	U			NA		NA		10	U
Benzo(k)fluoranthene	10	U			NA		NA		10	U
Bis(2-Chloroethoxy)methane	10	U			NA		NA		10	U
Bis(2-Chloroethyl)ether	10	U			NA		NA		10	U
bis(2-Ethylhexyl)phthalate	10	U			NA		NA		10	U
Butylbenzylphthalate	10	U			NA		NA		10	U
Caprolactam	10	U			NA		NA		10	U
Carbazole	10	U			NA		NA		10	U
Chrysene	10	U			NA		NA		10	U
Di-n-Butylphthalate	10	U			NA		NA		10	UJ
Di-n-octylphthalate	10	U			NA		NA		10	U
Dibenzo(a,h)anthracene	10	U			NA		NA		10	U
Dibenzofuran	10	U			NA		NA		10	U
Diethylphthalate	10	U			NA		NA		10	U
Dimethylphthalate	10	U			NA		NA		10	U
Fluoranthene	10	U			NA		NA		10	U
Fluorene	10	U			NA		NA		10	U
Hexachlorobenzene	10	U			NA		NA		10	U
Hexachlorobutadiene	10	U			NA		NA		10	U
Hexachlorocyclopentadiene	10	U			NA		NA		10	U
Hexachloroethane	10	U			NA		NA		10	U
Indeno(1,2,3-cd)pyrene	10	U			NA		NA		10	U
Isophorone	10	U			NA		NA		10	U
N-Nitroso-di-n-propylamine	10	U			NA		NA		10	UJ
N-Nitroso-diphenylamine	10	U			NA		NA		10	U
Naphthalene	10	U			NA		NA		10	U
Nitrobenzene	10	U			NA		NA		25	U
Pentachlorophenol	25	U			NA		NA		10	U
Phenanthrene	10	U			NA		NA		10	U
Phenol	10	U			NA		NA		10	U
Pyrene	10	U			NA		NA		10	U
Total PAH	10	U			NA		NA		10	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SW-2023-01-MAX		CMW-SW-2023-01F		CMW-SW-DU-102799B		CMW-SW-2023-01F-MAX		CMW-SW-2024-01	
Sample Location	CMW-SD-2023		CMW-SD-2023		CMW-SD-2023		CMW-SD-2023		CMW-SD-2024	
Interval	0 0-0 0		0 0-0 0		0.0-0 0		0.0-0 0		0 0-0 0	
Date Sampled	10/27/99		10/27/99		10/27/99		10/27/99		10/27/99	
QC Identifier	Field Dup. CMW-SW-2023-01		Field Dup. CMW-SW-2023-01F		Field Dup. CMW-SW-2023-01F		Field Dup. CMW-SW-2023-01F		None	
Pesticide/PCB Analysis (UG/L)	AQB36								AQB37	
4,4'-DDD	0 10	U		NA		NA		NA	0 10	U
4,4'-DDE	0.10	U		NA		NA		NA	0 10	U
4,4'-DDT	0.10	U		NA		NA		NA	0 10	U
Aldrin	0 05	U		NA		NA		NA	0 05	U
alpha-BHC	0 05	U		NA		NA		NA	0 05	U
alpha-Chlordane	0 05	U		NA		NA		NA	0.05	U
Aroclor, Total	2.0	U		NA		NA		NA	2 0	U
Aroclor-1016	1.0	U		NA		NA		NA	1 0	U
Aroclor-1221	2.0	U		NA		NA		NA	2 0	U
Aroclor-1232	1.0	U		NA		NA		NA	1.0	U
Aroclor-1242	1 0	U		NA		NA		NA	1 0	U
Aroclor-1248	1.0	U		NA		NA		NA	1 0	U
Aroclor-1254	1.0	U		NA		NA		NA	1 0	U
Aroclor-1260	1.0	U		NA		NA		NA	1 0	U
beta-BHC	0 05	U		NA		NA		NA	0 05	U
delta-BHC	0 05	U		NA		NA		NA	0 05	U
Dieldrin	0.10	U		NA		NA		NA	0 10	U
Endosulfan I	0 05	U		NA		NA		NA	0 05	U
Endosulfan II	0 10	U		NA		NA		NA	0 10	U
Endosulfan Sulfate	0.10	U		NA		NA		NA	0.10	U
Endrin	0 10	U		NA		NA		NA	0 10	U
Endrin Aldehyde	0 10	U		NA		NA		NA	0.10	U
Endrin Ketone	0 10	U		NA		NA		NA	0 10	U
gamma-BHC	0 05	U		NA		NA		NA	0 05	U
gamma-Chlordane	0 05	U		NA		NA		NA	0.05	U
Heptachlor	0 05	U		NA		NA		NA	0 05	U
Heptachlor Epoxide	0 05	U		NA		NA		NA	0 05	U
Methoxychlor	0.50	U		NA		NA		NA	0 50	U
Toxaphene	5 0	U		NA		NA		NA	5 0	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SW-2023-01-MAX		CMW-SW-2023-01F		CMW-SW-DU-102799B		CMW-SW-2023-01F-MAX		CMW-SW-2024-01	
Sample Location	CMW-SD-2023		CMW-SD-2023		CMW-SD-2023		CMW-SD-2023		CMW-SD-2024	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	10/27/99		10/27/99		10/27/99		10/27/99		10/27/99	
QC Identifier	Field Dup. CMW-SW-2023-01		Field Dup. CMW-SW-2023-01F		Field Dup. CMW-SW-2023-01F		Field Dup. CMW-SW-2023-01F		None	
Dioxin Analysis (PG/L)	D00915								D00917	
1,2,3,4,6,7,8-HpCDD	53 7				NA		NA		442	
1,2,3,4,6,7,8-HpCDF	14 7				NA		NA		172	
1,2,3,4,7,8,9-HpCDF	3 5	U			NA		NA		15 5	J
1,2,3,4,7,8-HxCDD	2 9	U			NA		NA		10 0	J
1,2,3,4,7,8-HxCDF	1 9	U			NA		NA		16 5	J
1,2,3,6,7,8-HxCDD	2 7	U			NA		NA		21 6	J
1,2,3,6,7,8-HxCDF	1 8	U			NA		NA		15 5	EMPC
1,2,3,7,8,9-HxCDD	2 7	U			NA		NA		22 0	J
1,2,3,7,8,9-HxCDF	2 2	U			NA		NA		4 3	U
1,2,3,7,8-PeCDD	3 5	U			NA		NA		5 6	U
1,2,3,7,8-PeCDF	3 2	U			NA		NA		4 8	U
1,2,4,5,7,8-hexachloro(9H)xanthene		NA			NA		NA		271	J
2,3,4,6,7,8-HxCDF	1 9	U			NA		NA		16 1	J
2,3,4,7,8-PeCDF	3 2	U			NA		NA		4 8	U
2,3,7,8-TCDD	22 9				NA		NA		760	
2,3,7,8-TCDF	3 3	U			NA		NA		11 7	
OCDD	315				NA		NA		2990	
OCDF	31 1				NA		NA		300	
Total HpCDD	97 5				NA		NA		802	J
Total HpCDF	33 0				NA		NA		377	J
Total HxCDD	10 9				NA		NA		142	J
Total HxCDF	12 8				NA		NA		218	J
Total PeCDD	3 5	U			NA		NA		8 4	EMPC
Total PeCDF	3 2	U			NA		NA		33 1	J
Total TCDD	22 9				NA		NA		786	J
Total TCDF	3 3	U			NA		NA		78 2	J
Toxicity Equivalency	27 1				NA		NA		782	

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SW-2023-01-MAX		CMW-SW-2023-01F		CMW-SW-DU-1027099		CMW-SW-2023-01F-MAX		CMW-SW-2024-01	
Sample Location	CMW-SD-2023		CMW-SD-2023		CMW-SD-2023		CMW-SD-2023		CMW-SD-2024	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/27/99		10/27/99		10/27/99		10/27/99		10/27/99	
QC Identifier	Field Dup. CMW-SW-2023-01		Field Dup. CMW-SW-2023-01F		Field Dup. CMW-SW-2023-01F		Field Dup. CMW-SW-2023-01F		None	
TAL Metal Analysis (UG/L)	MAMF70		MAMF71		MAMF76		MAMF71		MAMF72	
Aluminum	198		44.1	U	143		143		1220	
Antimony	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Arsenic	8.5		8.4	J	8.0	J	8.4		9.3	J
Barium	37.2		196		36.9		196		48.7	
Beryllium	1.0	U	1.0	U	1.2	U	1.2	U	1.3	U
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	34100		37100		36100		37100		13700	
Chromium	1.0	U	1.0	U	1.0	U	1.0	U	11.0	
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Copper	17.0		3.8		4.8		4.8		24.6	
Iron	1430		229		1010		1010		5020	
Lead	11.5		2.0	U	4.1	J	2.0	U	30.2	
Magnesium	5810		6240		5920		6240		2360	
Manganese	249		252		261		261		1100	
Mercury	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	4.5		3.2		3.3	J	3.2		7.2	
Potassium	4440		4900	J	4550	J	4900		2880	J
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Silver	1.3		1.8	J	1.8	J	1.8		1.5	J
Sodium	22000		27400		23000		27400		26900	
Thallium	10.9		7.0	U	7.0	U	7.0	U	14.5	
Vanadium	2.0	U	2.0	U	2.1	J	2.0	U	5.2	
Zinc	32.6		78.4		29.6		78.4		104	

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	CMW-SW-2024-01F		CMW-SW-2026-01		CMW-SW-2026-01F		LPX-SW-2045-01		LPX-SW-DU-110899A	
Sample Location	CMW-SD-2024		CMW-SD-2026		CMW-SD-2026		LPX-SD-2045		LPX-SD-2045	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/27/99		10/28/99		10/28/99		11/8/99		11/8/99	
QC Identifier	None		None		None		Field Dup. LPX-SW-2045-01		Field Dup. LPX-SW-2045-01	
Semivolatile Organic Analysis (UG/L)			AQB40				AQB68		AQB67	
1,1'-Biphenyl	NA	10	U			NA	10	U	10	U
2,2'-oxybis(1-Chloropropane)	NA	10	UJ			NA	10	U	10	U
2,4,5-Trichlorophenol	NA	25	U			NA	25	U	25	U
2,4,6-Trichlorophenol	NA	10	U			NA	10	U	10	U
2,4-Dichlorophenol	NA	10	U			NA	10	U	10	U
2,4-Dimethylphenol	NA	10	UJ			NA	10	U	10	U
2,4-Dinitrophenol	NA	25	UJ			NA	25	UJ	25	UJ
2,4-Dinitrotoluene	NA	10	U			NA	10	U	10	U
2,6-Dinitrotoluene	NA	10	U			NA	10	U	10	U
2-Chloronaphthalene	NA	10	U			NA	10	U	10	U
2-Chlorophenol	NA	10	U			NA	10	U	10	U
2-Methylnaphthalene	NA	10	U			NA	10	U	10	U
2-Methylphenol	NA	10	U			NA	10	U	10	U
2-Nitroaniline	NA	25	U			NA	25	U	25	U
2-Nitrophenol	NA	10	U			NA	10	U	10	U
3,3'-Dichlorobenzidine	NA	10	U			NA	10	U	10	U
3-Nitroaniline	NA	25	U			NA	25	U	25	U
4,6-Dinitro-2-methylphenol	NA	25	U			NA	25	U	25	U
4-Bromophenyl-phenylether	NA	10	U			NA	10	U	10	U
4-Chloro-3-methylphenol	NA	10	U			NA	10	U	10	U
4-Chloroaniline	NA	10	UJ			NA	10	U	10	U
4-Chlorophenyl-phenylether	NA	10	U			NA	10	U	10	U
4-Methylphenol	NA	10	U			NA	10	U	10	U
4-Nitroaniline	NA	25	U			NA	25	U	25	U
4-Nitrophenol	NA	25	UJ			NA	25	U	25	U
Acenaphthene	NA	10	U			NA	10	U	10	U
Acenaphthylene	NA	10	U			NA	10	U	10	U
Acetophenone	NA	10	U			NA	10	U	10	U
Anthracene	NA	10	U			NA	10	U	10	U
Atrazine	NA	10	U			NA	10	U	10	U
Benzaldehyde	NA	10	UJ			NA	10	U	10	U
Benzo(a)anthracene	NA	10	U			NA	10	U	10	U
Benzo(a)pyrene	NA	10	U			NA	10	U	10	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SW-2024-01F		CMW-SW-2026-01		CMW-SW-2026-01F		LPX-SW-2046-01		LPX-SW-DU-110899A	
Sample Location	CMW-SD-2024		CMW-SD-2026		CMW-SD-2026		LPX-SD-2046		LPX-SD-2046	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/27/99		10/28/99		10/28/99		11/8/99		11/8/99	
QC Identifier	None		None		None		Field Dup. LPX-SW-2046-01		Field Dup. LPX-SW-2046-01	
Benzo(b)fluoranthene		NA	10	U		NA	10	U	10	U
Benzo(g,h,i)perylene		NA	10	U		NA	10	U	10	U
Benzo(k)fluoranthene		NA	10	U		NA	10	U	10	U
Bis(2-Chloroethoxy)methane		NA	10	U		NA	10	U	10	U
Bis(2-Chloroethyl)ether		NA	10	U		NA	10	U	10	U
bis(2-Ethylhexyl)phthalate		NA	10	U		NA	10	U	10	U
Butylbenzylphthalate		NA	10	U		NA	10	U	10	U
Caprolactam		NA	10	U		NA	10	U	10	U
Carbazole		NA	10	U		NA	10	U	10	U
Chrysene		NA	10	U		NA	10	U	10	U
Di-n-Butylphthalate		NA	10	U		NA	10	U	10	U
Di-n-octylphthalate		NA	10	UJ		NA	10	U	10	U
Dibenzo(a,h)anthracene		NA	10	U		NA	10	U	10	U
Dibenzofuran		NA	10	U		NA	10	U	10	U
Diethylphthalate		NA	10	U		NA	10	U	10	U
Dimethylphthalate		NA	10	U		NA	10	U	10	U
Fluoranthene		NA	10	U		NA	10	U	10	U
Fluorene		NA	10	U		NA	10	U	10	U
Hexachlorobenzene		NA	10	U		NA	10	U	10	U
Hexachlorobutadiene		NA	10	U		NA	10	U	10	U
Hexachlorocyclopentadiene		NA	10	U		NA	10	U	10	U
Hexachloroethane		NA	10	U		NA	10	U	10	U
Indeno(1,2,3-cd)pyrene		NA	10	U		NA	10	U	10	U
Isophorone		NA	10	U		NA	10	U	10	U
N-Nitroso-di-n-propylamine		NA	10	U		NA	10	U	10	U
N-Nitroso-diphenylamine		NA	10	UJ		NA	10	U	10	U
Naphthalene		NA	10	U		NA	10	U	10	U
Nitrobenzene		NA	10	U		NA	10	U	10	U
Pentachlorophenol		NA	25	U		NA	25	U	25	U
Phenanthrene		NA	10	U		NA	10	U	10	U
Phenol		NA	10	U		NA	10	U	10	U
Pyrene		NA	10	U		NA	10	U	10	U
Total PAH		NA	10	U		NA	10	U	10	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	CMW-SW-2024-01F		CMW-SW-2025-01		CMW-SW-2025-01F		LPX-SW-2045-01		LPX-SW-DU-110899A	
Sample Location	CMW-SD-2024		CMW-SD-2025		CMW-SD-2025		LPX-SD-2045		LPX-SD-2045	
Interval	0 0-0 0		0 0-0.0		0.0-0.0		0 0-0.0		0 0-0.0	
Date Sampled	10/27/99		10/28/99		10/28/99		11/8/99		11/8/99	
QC Identifier	None		None		None		Field Dup. LPX-SW-2045-01		Field Dup LPX-SW-2045-01	
Pesticide/PCB Analysis (UG/L)			AQB40				AQB68		AQB67	
4,4'-DDD	NA		0.10	U		NA	0 10	U	0 10	U
4,4'-DDE	NA		0.10	U		NA	0 10	U	0 10	U
4,4'-DDT	NA		0.10	U		NA	0 10	U	0 10	U
Aldrin	NA		0.05	U		NA	0.05	U	0 05	U
alpha-BHC	NA		0.05	U		NA	0.05	U	0 05	U
alpha-Chlordane	NA		0.05	U		NA	0.05	U	0.05	U
Aroclor, Total	NA		2.0	U		NA	2.0	U	2.0	U
Aroclor-1016	NA		1.0	U		NA	1 0	U	1.0	U
Aroclor-1221	NA		2.0	U		NA	2.0	U	2.0	U
Aroclor-1232	NA		1.0	U		NA		NA		NA
Aroclor-1242	NA		1.0	U		NA	1.0	U	1.0	U
Aroclor-1248	NA		1.0	U		NA	1.0	U	1.0	U
Aroclor-1254	NA		1.0	U		NA	1.0	U	1 0	U
Aroclor-1260	NA		1.0	U		NA	1.0	U	1.0	U
beta-BHC	NA		0.05	U		NA	0.05	U	0.05	U
delta-BHC	NA		0.05	U		NA	0.05	U	0.05	U
Dieldrin	NA		0 10	U		NA	0.10	U	0 10	U
Endosulfan I	NA		0.05	U		NA	0.05	U	0.05	U
Endosulfan II	NA		0.10	U		NA	0.10	U	0.10	U
Endosulfan Sulfate	NA		0.10	U		NA	0.10	U	0.10	U
Endrin	NA		0.10	U		NA	0.10	U	0.10	U
Endrin Aldehyde	NA		0.10	U		NA		NA		NA
Endrin Ketone	NA		0.10	U		NA	0 10	U	0.10	U
gamma-BHC	NA		0.05	U		NA	0 05	U	0.05	U
gamma-Chlordane	NA		0.05	U		NA	0.05	U	0.05	U
Heptachlor	NA		0 05	U		NA	0.05	U	0 05	U
Heptachlor Epoxide	NA		0.05	U		NA	0 05	U	0 05	U
Methoxychlor	NA		0.50	U		NA	0 50	U	0.50	U
Toxaphene	NA		5.0	U		NA	5 0	U	5 0	U

Summary of Surface Water Analytical Results
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Sample Number	CMW-SW-2024-01F		CMW-SW-2026-01		CMW-SW-2026-01F		LPX-SW-2045-01		LPX-SW-DU-110899A	
Sample Location	CMW-SD-2024		CMW-SD-2026		CMW-SD-2026		LPX-SD-2045		LPX-SD-2045	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/27/99		10/28/99		10/28/99		11/8/99		11/8/99	
QC Identifier	None		None		None		Field Dup. LPX-SW-2045-01		Field Dup. LPX-SW-2045-01	
Dioxin Analysis (PG/L)			D00936				D01014		D01013	
1,2,3,4,6,7,8-HpCDD		NA	5.2	U		NA	5.5	U	17.0	U
1,2,3,4,6,7,8-HpCDF		NA	3.9	U		NA	2.6	U	9.7	U
1,2,3,4,7,8,9-HpCDF		NA	0.00	U		NA	2.2	U	12.6	U
1,2,3,4,7,8-HxCDD		NA	3.7	U		NA	1.8	U	10.4	U
1,2,3,4,7,8-HxCDF		NA	2.8	U		NA	1.3	EMPC	6.5	U
1,2,3,6,7,8-HxCDD		NA	3.5	U		NA	1.7	U	9.7	U
1,2,3,6,7,8-HxCDF		NA	2.6	U		NA	1.4	U	6.0	U
1,2,3,7,8,9-HxCDD		NA	3.6	U		NA	1.8	U	10.1	U
1,2,3,7,8,9-HxCDF		NA	3.2	U		NA	1.6	U	7.2	U
1,2,3,7,8-PeCDD		NA	3.1	U		NA	1.6	U	8.1	U
1,2,3,7,8-PeCDF		NA	2.9	U		NA	1.3	U	5.3	U
1,2,4,5,7,8-hexachloro(9H)xanthene		NA	0.00	U		NA	0.00	U	0.00	U
2,3,4,6,7,8-HxCDF		NA	2.8	U		NA	1.4	U	6.4	U
2,3,4,7,8-PeCDF		NA	3.0	U		NA	1.4	U	5.5	U
2,3,7,8-TCDD		NA	4.6	U		NA	7.3	U	6.4	U
2,3,7,8-TCDF		NA	0.00	UJ		NA	1.3	U	5.1	U
OCDD		NA	40.3	J		NA	35.5	U	37.2	UJ
OCDF		NA	6.4	U		NA	2.4	EMPC	25.0	UJ
Total HpCDD		NA	5.2	UJ		NA	8.9	EMPC	17.0	UJ
Total HpCDF		NA	4.4	UJ		NA	2.6	UJ	11.0	UJ
Total HxCDD		NA	3.6	UJ		NA	1.8	UJ	10.0	UJ
Total HxCDF		NA	2.8	UJ		NA	1.3	EMPC	6.5	UJ
Total PeCDD		NA	3.1	UJ		NA	1.6	UJ	18.6	EMPC
Total PeCDF		NA	2.9	UJ		NA	1.3	UJ	5.4	UJ
Total TCDD		NA	4.6	UJ		NA	7.3	UJ	6.4	UJ
Total TCDF		NA	3.7	UJ		NA	1.3	UJ	5.1	UJ
Toxicity Equivalency		NA	5.7			NA	5.5		11.7	

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	CMW-SW-2024-01F		CMW-SW-2026-01		CMW-SW-2026-01F		LPX-SW-2046-01		LPX-SW-DU-110699A	
Sample Location	CMW-SD-2024		CMW-SD-2026		CMW-SD-2026		LPX-SD-2046		LPX-SD-2046	
Interval	0 0-0 0		0.0-0 0		0 0-0.0		0 0-0 0		0 0-0 0	
Date Sampled	10/27/99		10/26/99		10/26/99		11/8/99		11/8/99	
QC Identifier	None		None		None		Field Dup. LPX-SW-2046-01		Field Dup. LPX-SW-2046-01	
TAL Metal Analysis (UG/L)	MAMF73		MAMF77		MAMF78		MALJ10		MALJ09	
Aluminum	51.1	U	36.6	U	16.0	U	46.1	U	25.3	UJ
Antimony	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Arsenic	11.3		7.2	J	10.7		6.0	U	6.0	U
Barium	254		37.8		211		15.6		15.2	
Beryllium	1.1	U	1.2	U	1.3	U	1.0	U	1.0	U
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	12100		36800		34900		7620		7750	
Chromium	1.0	U	1.0	U	1.0	U	3.7		1.0	U
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Copper	3.8		2.1		2.6		5.7		5.4	
Iron	525		562		323		307		165	
Lead	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Magnesium	2090		5920		5620		1250		1280	
Manganese	977		343		316		62.7		59.0	
Mercury	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	4.3		4.3		3.8	J	3.5	J	2.0	U
Potassium	2970	J	4650	J	4360	J	1720		1770	
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Silver	1.4	J	1.8	J	1.4	J	1.0	U	1.0	U
Sodium	31800		26100		27100		19700		20200	
Thallium	7.4	J	7.5	J	10.6	J	7.0	U	7.0	U
Vanadium	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Zinc	121		26.7		77.0		20.8		17.8	

Summary of Surface Water Analytical Results
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Sample Number	LPX-SW-2045-01-MAX		LPX-SW-2045-01F		LPX-SW-2046-01		LPX-SW-2046-01F		LPX-SW-2047-01		LPX-SW-2047-01F	
Sample Location	LPX-SD-2045		LPX-SD-2045		LPX-SD-2046		LPX-SD-2046		LPX-SD-2047		LPX-SD-2047	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	11/8/99		11/8/99		11/8/99		11/8/99		11/8/99		11/8/99	
QC Identifier	Field Dup. LPX-SW-2045-01		None		None		None		None		None	
Semivolatile Organic Analysis (UG/L)	AQB67				AQB69				AQB64			
1,1'-Biphenyl	10	U		NA	10	UJ		NA	10	U		NA
2,2'-oxybis(1-Chloropropane)	10	U		NA	10	UJ		NA	10	U		NA
2,4,5-Trichlorophenol	25	U		NA	25	UJ		NA	25	U		NA
2,4,6-Trichlorophenol	10	U		NA	10	UJ		NA	10	U		NA
2,4-Dichlorophenol	10	U		NA	10	UJ		NA	10	U		NA
2,4-Dimethylphenol	10	U		NA	10	UJ		NA	10	U		NA
2,4-Dinitrophenol	25	U		NA	25	UJ		NA	25	UJ		NA
2,4-Dinitrotoluene	10	U		NA	10	UJ		NA	10	U		NA
2,6-Dinitrotoluene	10	U		NA	10	UJ		NA	10	U		NA
2-Chloronaphthalene	10	U		NA	10	UJ		NA	10	U		NA
2-Chlorophenol	10	U		NA	10	UJ		NA	10	U		NA
2-Methylnaphthalene	10	U		NA	10	UJ		NA	10	U		NA
2-Methylphenol	10	U		NA	10	UJ		NA	10	U		NA
2-Nitroaniline	25	U		NA	25	UJ		NA	25	U		NA
2-Nitrophenol	10	U		NA	10	UJ		NA	10	U		NA
3,3'-Dichlorobenzidine	10	U		NA	10	UJ		NA	10	U		NA
3-Nitroaniline	25	U		NA	25	UJ		NA	25	U		NA
4,6-Dinitro-2-methylphenol	25	U		NA	25	UJ		NA	25	U		NA
4-Bromophenyl-phenylether	10	U		NA	10	UJ		NA	10	U		NA
4-Chloro-3-methylphenol	10	U		NA	10	UJ		NA	10	U		NA
4-Chloroaniline	10	U		NA	10	UJ		NA	10	U		NA
4-Chlorophenyl-phenylether	10	U		NA	10	UJ		NA	10	U		NA
4-Methylphenol	10	U		NA	10	UJ		NA	10	U		NA
4-Nitroaniline	25	U		NA	25	UJ		NA	25	U		NA
4-Nitrophenol	25	U		NA	25	UJ		NA	25	U		NA
Acenaphthene	10	U		NA	10	UJ		NA	10	U		NA
Acenaphthylene	10	U		NA	10	UJ		NA	10	U		NA
Acetophenone	10	U		NA	10	UJ		NA	10	U		NA
Anthracene	10	U		NA	10	UJ		NA	10	U		NA
Atrazine	10	U		NA	10	UJ		NA	10	U		NA
Benzaldehyde	10	U		NA	10	UJ		NA	10	U		NA
Benzo(a)anthracene	10	U		NA	10	UJ		NA	10	U		NA
Benzo(a)pyrene	10	U		NA	10	UJ		NA	10	U		NA

Summary of Surface Water Analytical Results
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Sample Number	LPX-SW-2046-01-MAX		LPX-SW-2046-01F		LPX-SW-2046-01		LPX-SW-2046-01F		LPX-SW-2047-01		LPX-SW-2047-01F	
Sample Location	LPX-SD-2046		LPX-SD-2046		LPX-SD-2046		LPX-SD-2046		LPX-SD-2047		LPX-SD-2047	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	11/8/99		11/8/99		11/8/99		11/8/99		11/8/99		11/8/99	
QC Identifier	Field Dup. LPX-SW-2046-01		None		None		None		None		None	
Benzo(b)fluoranthene	10	U		NA	10	UJ		NA	10	U		NA
Benzo(g,h,i)perylene	10	U		NA	10	UJ		NA	10	U		NA
Benzo(k)fluoranthene	10	U		NA	10	UJ		NA	10	U		NA
Bis(2-Chloroethoxy)methane	10	U		NA	10	UJ		NA	10	U		NA
Bis(2-Chloroethyl)ether	10	U		NA	10	UJ		NA	10	U		NA
bis(2-Ethylhexyl)phthalate	10	U		NA	10	UJ		NA	10	U		NA
Butylbenzylphthalate	10	U		NA	10	UJ		NA	10	U		NA
Caprolactam	10	U		NA	10	UJ		NA	10	U		NA
Carbazole	10	U		NA	10	UJ		NA	10	U		NA
Chrysene	10	U		NA	10	UJ		NA	10	U		NA
Di-n-Butylphthalate	10	U		NA	10	UJ		NA	10	U		NA
Di-n-octylphthalate	10	U		NA	10	UJ		NA	10	U		NA
Dibenzo(a,h)anthracene	10	U		NA	10	UJ		NA	10	U		NA
Dibenzofuran	10	U		NA	10	UJ		NA	10	U		NA
Diethylphthalate	10	U		NA	10	UJ		NA	10	U		NA
Dimethylphthalate	10	U		NA	10	UJ		NA	10	U		NA
Fluoranthene	10	U		NA	10	UJ		NA	10	U		NA
Fluorene	10	U		NA	10	UJ		NA	10	U		NA
Hexachlorobenzene	10	U		NA	10	UJ		NA	10	U		NA
Hexachlorobutadiene	10	U		NA	10	UJ		NA	10	U		NA
Hexachlorocyclopentadiene	10	U		NA	10	UJ		NA	10	U		NA
Hexachloroethane	10	U		NA	10	UJ		NA	10	U		NA
Indeno(1,2,3-cd)pyrene	10	U		NA	10	UJ		NA	10	U		NA
Isophorone	10	U		NA	10	UJ		NA	10	U		NA
N-Nitroso-di-n-propylamine	10	U		NA	10	UJ		NA	10	U		NA
N-Nitroso-diphenylamine	10	U		NA	10	UJ		NA	10	U		NA
Naphthalene	10	U		NA	10	UJ		NA	10	U		NA
Nitrobenzene	25	U		NA	25	UJ		NA	25	U		NA
Pentachlorophenol	10	U		NA	10	UJ		NA	10	U		NA
Phenanthrene	10	U		NA	10	UJ		NA	10	U		NA
Phenol	10	U		NA	10	UJ		NA	10	U		NA
Pyrene	10	U		NA	10	UJ		NA	10	U		NA
Total PAH	10	U		NA	10	U		NA	10	U		NA

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Centredale Manor
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Sample Number	LPX-SW-2045-01-MAX		LPX-SW-2045-01F		LPX-SW-2046-01		LPX-SW-2046-01F		LPX-SW-2047-01		LPX-SW-2047-01F	
Sample Location	LPX-SD-2045		LPX-SD-2045		LPX-SD-2046		LPX-SD-2046		LPX-SD-2047		LPX-SD-2047	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	11/8/99		11/8/99		11/8/99		11/8/99		11/8/99		11/8/99	
QC Identifier	Field Dup. LPX-SW-2045-01		None		None		None		None		None	
Pesticide/PCB Analysis (UG/L)	AQB67				AQB69				AQB64			
4,4'-DDD	0.10	U		NA	0.10	UJ		NA	0.10	U		NA
4,4'-DDE	0.10	U		NA	0.10	UJ		NA	0.10	U		NA
4,4'-DDT	0.10	U		NA	0.10	UJ		NA	0.10	U		NA
Aldrin	0.05	U		NA	0.05	UJ		NA	0.05	U		NA
alpha-BHC	0.05	U		NA	0.05	UJ		NA	0.05	U		NA
alpha-Chlordane	0.05	U		NA	0.05	UJ		NA	0.05	U		NA
Aroclor, Total	2.0	U		NA	2.0	U		NA	2.0	U		NA
Aroclor-1016	1.0	U		NA	1.0	UJ		NA	1.0	U		NA
Aroclor-1221	2.0	U		NA	2.0	UJ		NA	2.0	U		NA
Aroclor-1232		NA		NA		NA		NA		NA		NA
Aroclor-1242	1.0	U		NA	1.0	UJ		NA	1.0	U		NA
Aroclor-1248	1.0	U		NA	1.0	UJ		NA	1.0	U		NA
Aroclor-1254	1.0	U		NA	1.0	UJ		NA	1.0	U		NA
Aroclor-1260	1.0	U		NA	1.0	UJ		NA	1.0	U		NA
beta-BHC	0.05	U		NA	0.05	UJ		NA	0.05	U		NA
delta-BHC	0.05	U		NA	0.05	UJ		NA	0.05	U		NA
Dieldrin	0.10	U		NA	0.10	UJ		NA	0.10	U		NA
Endosulfan I	0.05	U		NA	0.05	UJ		NA	0.05	U		NA
Endosulfan II	0.10	U		NA	0.10	UJ		NA	0.10	U		NA
Endosulfan Sulfate	0.10	U		NA	0.10	UJ		NA	0.10	U		NA
Endrin	0.10	U		NA	0.10	UJ		NA	0.10	U		NA
Endrin Aldehyde		NA		NA		NA		NA		NA		NA
Endrin Ketone	0.10	U		NA	0.10	UJ		NA	0.10	U		NA
gamma-BHC	0.05	U		NA	0.05	UJ		NA	0.05	U		NA
gamma-Chlordane	0.05	U		NA	0.05	UJ		NA	0.05	U		NA
Heptachlor	0.05	U		NA	0.05	UJ		NA	0.05	U		NA
Heptachlor Epoxide	0.05	U		NA	0.05	UJ		NA	0.05	U		NA
Methoxychlor	0.50	U		NA	0.50	UJ		NA	0.50	U		NA
Toxaphene	5.0	U		NA	5.0	UJ		NA	5.0	U		NA

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	LPX-SW-2045-01-MAX		LPX-SW-2045-01F		LPX-SW-2046-01		LPX-SW-2046-01F		LPX-SW-2047-01		LPX-SW-2047-01F	
Sample Location	LPX-SD-2045		LPX-SD-2045		LPX-SD-2046		LPX-SD-2046		LPX-SD-2047		LPX-SD-2047	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/8/99		11/8/99		11/8/99		11/8/99		11/8/00		11/8/00	
QC Identifier	Field Dup. LPX-SW-2045-01		None		None		None		None		None	
Dioxin Analysis (PG/L)	D01014				D01015				D01012			
1,2,3,4,6,7,8-HpCDD	17.0	U		NA	31.7	J		NA	10.9	U		NA
1,2,3,4,6,7,8-HpCDF	9.7	U		NA	21.6	J		NA	6.6	U		NA
1,2,3,4,7,8,9-HpCDF	12.6	U		NA	11.2	U		NA	8.5	U		NA
1,2,3,4,7,8-HxCDD	10.4	U		NA	8.9	U		NA	6.2	U		NA
1,2,3,4,7,8-HxCDF	6.5	U		NA	6.4	U		NA	4.2	U		NA
1,2,3,6,7,8-HxCDD	9.7	U		NA	8.4	U		NA	5.8	U		NA
1,2,3,6,7,8-HxCDF	6.0	U		NA	6.0	U		NA	3.9	U		NA
1,2,3,7,8,9-HxCDD	10.1	U		NA	8.7	U		NA	6.0	U		NA
1,2,3,7,8,9-HxCDF	7.2	U		NA	7.1	U		NA	4.6	U		NA
1,2,3,7,8-PeCDD	8.1	U		NA	5.9	U		NA	4.1	U		NA
1,2,3,7,8-PeCDF	5.3	U		NA	4.1	U		NA	2.8	U		NA
1,2,4,5,7,8-hexachloro(9H)xanthene		NA		NA	0.00	U		NA	0.00	U		NA
2,3,4,6,7,8-HxCDF	6.4	U		NA	6.3	U		NA	4.1	U		NA
2,3,4,7,8-PeCDF	5.5	U		NA	4.3	U		NA	2.9	U		NA
2,3,7,8-TCDD	7.3	U		NA	137			NA	7.3	U		NA
2,3,7,8-TCDF	5.1	U		NA	4.3	U		NA	2.5	U		NA
OCDD	35.5	U		NA	240			NA	19.3	U		NA
OCDF	2.4			NA	24.7	EMPC		NA	16.4	U		NA
Total HpCDD	8.9			NA	72.8	J		NA	10.9	UJ		NA
Total HpCDF	11.0	U		NA	37.7	J		NA	7.4	UJ		NA
Total HxCDD	10.0	U		NA	8.7	UJ		NA	6.0	UJ		NA
Total HxCDF	1.3			NA	6.4	UJ		NA	4.2	UJ		NA
Total PeCDD	18.6			NA	5.9	UJ		NA	4.1	UJ		NA
Total PeCDF	5.4	U		NA	4.2	UJ		NA	2.9	UJ		NA
Total TCDD	7.3	U		NA	137	J		NA	7.3	UJ		NA
Total TCDF	5.1	U		NA	4.3	UJ		NA	2.5	UJ		NA
Toxicity Equivalency	11.7			NA	144			NA	8.3			NA

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SW-2045-01-MAX		LPX-SW-2045-01F		LPX-SW-2046-01		LPX-SW-2046-01F		LPX-SW-2047-01		LPX-SW-2047-01F	
Sample Location	LPX-SD-2045		LPX-SD-2045		LPX-SD-2046		LPX-SD-2046		LPX-SD-2047		LPX-SD-2047	
Interval	0 0-0.0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/8/99		11/8/99		11/8/99		11/8/99		11/8/99		11/8/00	
QC Identifier	Field Dup. LPX-SW-2045-01		None		None		None		None		None	
TAL Metal Analysis (UG/L)	MALJ10		MALJ11		MALJ12		MALJ13		MAMB99		MAMC00	
Aluminum	46.1	U	22.8	UJ	293		31.0	U	54.3	U	21.8	UJ
Antimony	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Arsenic	6.0	U	6.0	U	6.0	U	6.0	U	6.0	U	6.0	U
Barium	15.6		15.6	U	22.5		194		17.8		15.4	U
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	7750		8170		9230		8210		8700		8020	
Chromium	3.7		1.0	U	2.8		1.0	U	1.0	U	1.0	U
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Copper	5.7		4.4		18.3		5.1		6.5		5.7	
Iron	307		164		861		206		334		174	
Lead	2.0	U	2.0	U	10.2		2.0	U	2.0	U	2.0	U
Magnesium	1280		1340		1500		1370		1410		1300	
Manganese	62.7		61.7		94.4		75.8		93.3		81.6	
Mercury	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	2.0	U	2.0	U	2.4	J	2.0	U	2.0	U	2.0	U
Potassium	1770		1870		1960		1930		1940		1800	
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Silver	1.0	U	1.0	U	1.1	UJ	1.0	U	1.0	U	1.0	U
Sodium	20200		21300		20700		24600		22500		20900	
Thallium	7.0	U	7.3	J	7.0	U	9.0		7.7	J	7.8	J
Vanadium	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Zinc	20.8		23.1		44.2		95.6		22.4		20.9	

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	LPX-SW-2048-01			LPX-SW-2048-01F			LPX-SW-2049-01			LPX-SW-2049-01F			LPX-SW-2050-01			LPX-SW-2050-01F		
Sample Location	LPX-SD-2048			LPX-SD-2048			LPX-SD-2049			LPX-SD-2049			LPX-SD-2050			LPX-SD-2050		
Interval	0 0-0 0			0 0-0 0			0 0-0 0			0 0-0 0			0 0-0 0			0 0-0 0		
Date Sampled	11/9/99			11/9/99			11/5/99			11/5/99			11/4/99			11/4/99		
QC Identifier	None			None			None			None			None			None		
Semivolatile Organic Analysis (UG/L)	AQB71						AQB62						AQB61					
1,1'-Biphenyl	10	U			NA		10	U			NA		10	U			NA	
2,2'-oxybis(1-Chloropropane)	10	U			NA		10	U			NA		10	U			NA	
2,4,5-Trichlorophenol	25	U			NA		25	U			NA		25	U			NA	
2,4,6-Trichlorophenol	10	U			NA		10	U			NA		10	U			NA	
2,4-Dichlorophenol	10	U			NA		10	U			NA		10	U			NA	
2,4-Dimethylphenol	10	U			NA		10	U			NA		10	U			NA	
2,4-Dinitrophenol	25	UJ			NA		25	UJ			NA		25	UJ			NA	
2,4-Dinitrotoluene	10	U			NA		10	U			NA		10	U			NA	
2,6-Dinitrotoluene	10	U			NA		10	U			NA		10	U			NA	
2-Chloronaphthalene	10	U			NA		10	U			NA		10	U			NA	
2-Chlorophenol	10	U			NA		10	U			NA		10	U			NA	
2-Methylnaphthalene	10	U			NA		10	U			NA		10	U			NA	
2-Methylphenol	10	U			NA		10	U			NA		10	U			NA	
2-Nitroaniline	25	U			NA		25	U			NA		25	U			NA	
2-Nitrophenol	10	U			NA		10	U			NA		10	U			NA	
3,3'-Dichlorobenzidine	10	U			NA		10	UJ			NA		10	UJ			NA	
3-Nitroaniline	25	U			NA		25	U			NA		25	U			NA	
4,6-Dinitro-2-methylphenol	25	U			NA		25	U			NA		25	U			NA	
4-Bromophenyl-phenylether	10	U			NA		10	U			NA		10	U			NA	
4-Chloro-3-methylphenol	10	U			NA		10	U			NA		10	U			NA	
4-Chloroaniline	10	U			NA		10	U			NA		10	U			NA	
4-Chlorophenyl-phenylether	10	U			NA		10	U			NA		10	U			NA	
4-Methylphenol	10	U			NA		10	U			NA		10	U			NA	
4-Nitroaniline	25	U			NA		25	U			NA		25	U			NA	
4-Nitrophenol	25	U			NA		25	U			NA		25	U			NA	
Acenaphthene	10	U			NA		10	U			NA		10	U			NA	
Acenaphthylene	10	U			NA		10	U			NA		10	U			NA	
Acetophenone	10	U			NA		10	U			NA		10	U			NA	
Anthracene	10	U			NA		10	U			NA		10	U			NA	
Atrazine	10	U			NA		10	U			NA		10	U			NA	
Benzaldehyde	10	U			NA		10	U			NA		10	U			NA	
Benzo(a)anthracene	10	U			NA		10	U			NA		10	U			NA	
Benzo(a)pyrene	10	U			NA		10	U			NA		10	UJ			NA	

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Sample Number	LPX-SW-2048-01		LPX-SW-2048-01F		LPX-SW-2049-01		LPX-SW-2049-01F		LPX-SW-2050-01		LPX-SW-2050-01F	
Sample Location	LPX-SD-2048		LPX-SD-2048		LPX-SD-2049		LPX-SD-2049		LPX-SD-2050		LPX-SD-2050	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/9/99		11/9/99		11/5/99		11/5/99		11/4/99		11/4/99	
QC Identifier	None		None		None		None		None		None	
Benzo(b)fluoranthene	10	U		NA	10	U		NA	10	UJ		NA
Benzo(g,h,i)perylene	10	U		NA	10	U		NA	10	UJ		NA
Benzo(k)fluoranthene	10	U		NA	10	U		NA	10	UJ		NA
Bis(2-Chloroethoxy)methane	10	U		NA	10	U		NA	10	U		NA
Bis(2-Chloroethyl)ether	10	U		NA	10	U		NA	10	U		NA
bis(2-Ethylhexyl)phthalate	10	U		NA	10	U		NA	10	U		NA
Butylbenzylphthalate	10	U		NA	10	U		NA	10	U		NA
Caprolactam	10	U		NA	10	U		NA	10	U		NA
Carbazole	10	U		NA	10	U		NA	10	U		NA
Chrysene	10	U		NA	10	U		NA	10	U		NA
Di-n-Butylphthalate	10	U		NA	10	U		NA	10	U		NA
Di-n-octylphthalate	10	U		NA	10	U		NA	10	UJ		NA
Dibenzo(a,h)anthracene	10	U		NA	10	U		NA	10	UJ		NA
Dibenzofuran	10	U		NA	10	U		NA	10	U		NA
Diethylphthalate	10	U		NA	10	U		NA	10	U		NA
Dimethylphthalate	10	U		NA	10	U		NA	10	U		NA
Fluoranthene	10	U		NA	10	U		NA	10	U		NA
Fluorene	10	U		NA	10	U		NA	10	U		NA
Hexachlorobenzene	10	U		NA	10	U		NA	10	U		NA
Hexachlorobutadiene	10	U		NA	10	UJ		NA	10	U		NA
Hexachlorocyclopentadiene	10	U		NA	10	U		NA	10	U		NA
Hexachloroethane	10	U		NA	10	U		NA	10	U		NA
Indeno(1,2,3-cd)pyrene	10	U		NA	10	U		NA	10	UJ		NA
Isophorone	10	U		NA	10	U		NA	10	U		NA
N-Nitroso-di-n-propylamine	10	U		NA	10	U		NA	10	U		NA
N-Nitroso-diphenylamine	10	U		NA	10	U		NA	10	U		NA
Naphthalene	10	U		NA	10	U		NA	10	U		NA
Nitrobenzene	10	U		NA	10	U		NA	10	U		NA
Pentachlorophenol	25	U		NA	25	U		NA	25	U		NA
Phenanthrene	10	U		NA	10	U		NA	10	U		NA
Phenol	10	U		NA	10	U		NA	10	U		NA
Pyrene	10	U		NA	10	U		NA	10	U		NA
Total PAH	10	U		NA	10	U		NA	10	U		NA

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Sample Number	LPX-SW-2048-01		LPX-SW-2048-01F		LPX-SW-2049-01		LPX-SW-2049-01F		LPX-SW-2050-01		LPX-SW-2050-01F	
Sample Location	LPX-SD-2048		LPX-SD-2048		LPX-SD-2049		LPX-SD-2049		LPX-SD-2050		LPX-SD-2050	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0 0 0	
Date Sampled	11/9/99		11/9/99		11/5/99		11/5/99		11/4/00		11/4/00	
QC Identifier	None		None		None		None		None		None	
Pesticide/PCB Analysis (UG/L)	AQB71				AQB62				AQB61			
4,4'-DDD	0 10	U		NA	0 10	U		NA	0.10	U		NA
4,4'-DDE	0 10	U		NA	0 10	U		NA	0 10	U		NA
4,4'-DDT	0.10	U		NA	0.10	U		NA	0 01	J		NA
Aldrin	0 05	U		NA	0.069			NA	0 05	U		NA
alpha-BHC	0.05	U		NA	0.05	U		NA	0.05	U		NA
alpha-Chlordane	0.05	U		NA	0.05	U		NA	0.05	U		NA
Aroclor, Total	2.0	U		NA	2.0	U		NA	2.0	U		NA
Aroclor-1016	1.0	U		NA	1.0	U		NA	1.0	U		NA
Aroclor-1221	2.0	U		NA	2.0	U		NA	2.0	U		NA
Aroclor-1232		NA		NA	1.0	U		NA	1.0	U		NA
Aroclor-1242	1.0	U		NA	1.0	U		NA	1.0	U		NA
Aroclor-1248	1.0	U		NA	1.0	U		NA	1.0	U		NA
Aroclor-1254	1.0	U		NA	1.0	U		NA	1.0	U		NA
Aroclor-1260	1.0	U		NA	1.0	U		NA	1.0	U		NA
beta-BHC	0 05	U		NA	0.05	U		NA	0 05	U		NA
delta-BHC	0 05	U		NA	0.05	U		NA	0.05	U		NA
Dieldrin	0.10	U		NA	0.10	U		NA	0.10	U		NA
Endosulfan I	0.05	U		NA	0.05	U		NA	0.05	U		NA
Endosulfan II	0.10	U		NA	0.10	U		NA	0 10	U		NA
Endosulfan Sulfate	0.10	U		NA	0.10	U		NA	0 10	U		NA
Endrin	0.10	U		NA	0.10	U		NA	0.10	U		NA
Endrin Aldehyde		NA		NA	0.10	U		NA	0.0013	J		NA
Endrin Ketone	0.10	U		NA	0.10	U		NA	0 10	U		NA
gamma-BHC	0 05	U		NA	0 05	U		NA	0.05	U		NA
gamma-Chlordane	0 05	U		NA	0 05	U		NA	0 05	U		NA
Heptachlor	0 05	U		NA	0 05	U		NA	0.05	U		NA
Heptachlor Epoxide	0 05	U		NA	0 05	U		NA	0 05	U		NA
Methoxychlor	0 50	U		NA	0 50	U		NA	0 50	U		NA
Toxaphene	5 0	U		NA	5.0	U		NA	5 0	U		NA

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Sample Number	LPX-SW-2048-01		LPX-SW-2048-01F		LPX-SW-2049-01		LPX-SW-2049-01F		LPX-SW-2050-01		LPX-SW-2050-01F	
Sample Location	LPX-SD-2048		LPX-SD-2048		LPX-SD-2049		LPX-SD-2049		LPX-SD-2050		LPX-SD-2050	
Interval	0 0-0.0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/9/99		11/9/99		11/5/99		11/5/99		11/4/00		11/4/00	
QC Identifier	None		None		None		None		None		None	
Dioxin Analysis (PG/L)	D01023				D01006				D01005			
1,2,3,4,6,7,8-HpCDD	88.9			NA	3.0	EMPC		NA	3.4	U		NA
1,2,3,4,6,7,8-HpCDF	24.0	J		NA	0.70	U		NA	1.2	UJ		NA
1,2,3,4,7,8,9-HpCDF	6.1	EMPC		NA	1.0	U		NA	1.8	UJ		NA
1,2,3,4,7,8-HxCDD	1.6	J		NA	0.80	U		NA	1.2	U		NA
1,2,3,4,7,8-HxCDF	4.3	U		NA	0.69	U		NA	0.90	U		NA
1,2,3,6,7,8-HxCDD	3.3	U		NA	0.70	U		NA	1.1	U		NA
1,2,3,6,7,8-HxCDF	1.9	EMPC		NA	0.50	U		NA	0.80	U		NA
1,2,3,7,8,9-HxCDD	3.9	J		NA	0.80	U		NA	1.2	U		NA
1,2,3,7,8,9-HxCDF	0.20	U		NA	0.60	U		NA	1.0	U		NA
1,2,3,7,8-PeCDD	0.50	U		NA	1.4	U		NA	2.0	U		NA
1,2,3,7,8-PeCDF	0.30	U		NA	0.90	U		NA	1.3	U		NA
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U		NA	0.00	U		NA	0.00	U		NA
2,3,4,6,7,8-HxCDF	5.9	J		NA	0.50	U		NA	0.80	U		NA
2,3,4,7,8-PeCDF	0.30	U		NA	0.90	U		NA	1.3	U		NA
2,3,7,8-TCDD	4.0	U		NA	38.0			NA	2.9	EMPC		NA
2,3,7,8-TCDF	0.30	U		NA	0.70	U		NA	1.2	UJ		NA
OCDD	623			NA	17.1	U		NA	18.6	EMPC		NA
OCDF	31.6	U		NA	2.0	U		NA	2.4	EMPC		NA
Total HpCDD	157	J		NA	5.3	EMPC		NA	5.6	EMPC		NA
Total HpCDF	24.0	J		NA	1.7	EMPC		NA	1.4	UJ		NA
Total HxCDD	29.3	J		NA	0.80	UJ		NA	1.2	UJ		NA
Total HxCDF	13.7	EMPC		NA	0.69	UJ		NA	0.90	UJ		NA
Total PeCDD	0.50	UJ		NA	1.4	UJ		NA	2.0	UJ		NA
Total PeCDF	5.2	EMPC		NA	0.90	UJ		NA	1.3	UJ		NA
Total TCDD	4.0	UJ		NA	38.0	J		NA	2.9	EMPC		NA
Total TCDF	1.2	EMPC		NA	0.70	UJ		NA	1.2	UJ		NA
Toxicity Equivalency	5.3			NA	39.2			NA	4.7			NA

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Sample Number	LPX-SW-2048-01		LPX-SW-2048-01F		LPX-SW-2049-01		LPX-SW-2049-01F		LPX-SW-2050-01		LPX-SW-2050-01F	
Sample Location	LPX-SD-2048		LPX-SD-2048		LPX-SD-2049		LPX-SD-2049		LPX-SD-2050		LPX-SD-2050	
Interval	0 0-0 0		0 0-0 0		0 0-0.0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/9/99		11/9/99		11/5/99		11/5/99		11/4/99		11/4/99	
QC Identifier	None		None		None		None		None		None	
TAL Metal Analysis (UG/L)	MALJ14		MALJ15		MAMB95		MAMB96		MAMB93		MAMB94	
Aluminum	33.6	U	23.4	UJ	117		46 1	J	90 0		100	
Antimony	5 0	U	5 0	U	2.1	UJ	2 1	UJ	2 1	UJ	2 1	UJ
Arsenic	6.0	U	6.0	U	2.2	U	2 2	U	2 2	U	2 2	U
Barium	16.6		16.9	U	24.0		184		19 1		228	
Beryllium	1.0	U	1.0	U	0.10	UJ	0.10	U	0.10	U	0.10	U
Cadmium	1.0	U	1.0	U	0.30	U	0.30	U	0.30	U	0.30	U
Calcium	8320		8940		10100		10800		8160		8270	
Chromium	1.0	U	1.0	U	0.50	UJ	0.30	UJ	0 70	U	0 80	U
Cobalt	1.0	U	1 0	U	0.60	U	0 60	U	0.60	U	0 60	U
Copper	5.4		8.1		1.6		2.4		9.9		10.0	
Iron	241		158		762		376		406		282	
Lead	2.0	U	2.0	U	1.6	UJ	2.5	UJ	3.3	U	2.2	UJ
Magnesium	1350		1450		1450		1590		1320		1340	
Manganese	76.6		79.2		436		436		101		87.8	
Mercury	0.20	U	0.20	U	0.10	U	0.10	U	0.10	U	0 10	U
Nickel	2.0	U	2.0	U	1.6	J	1 3	U	1.3	U	1.3	U
Potassium	1870		2030		2420		2570		2270		2330	
Selenium	5.0	U	5.0	U	1.8	U	1 8	U	1.8	U	1.8	U
Silver	1.0	U	1.0	U	0.40	U	0.40	U	0.40	U	0.40	U
Sodium	20600		21900		25200		30500		21000		24500	
Thallium	7.0	U	7.0	U	2.1	U	2.1	U	2.1	U	2.1	U
Vanadium	2.0	U	2.0	U	0.50	U	0 50	U	0.50	U	0 50	U
Zinc	19.3		27.1		21.4	J	74.6		13.2	J	86 2	

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Sample Number	LPX-SW-2051-01		LPX-DU-110499B		LPX-SW-2051-01-MAX		LPX-SW-2051-01A			LPX-SW-2051-01F	
Sample Location	LPX-SD-2051		LPX-SD-2051		LPX-SD-2051		LPX-SD-2051			LPX-SD-2051	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0			0 0-0 0	
Date Sampled	11/4/99		11/4/99		11/4/99		11/4/99			11/4/99	
QC Identifier	Field Dup. LPX-SW-2051-01		Field Dup. LPX-SW-2051-01		Field Dup. LPX-SW-2051-01		None			None	
Semivolatile Organic Analysis (UG/L)							AQ870				
1,1'-Biphenyl	NA		NA		NA		10	U		NA	
2,2'-oxybis(1-Chloropropane)	NA		NA		NA		10	U		NA	
2,4,5-Trichlorophenol	NA		NA		NA		25	U		NA	
2,4,6-Trichlorophenol	NA		NA		NA		10	U		NA	
2,4-Dichlorophenol	NA		NA		NA		10	U		NA	
2,4-Dimethylphenol	NA		NA		NA		10	U		NA	
2,4-Dinitrophenol	NA		NA		NA		25	UJ		NA	
2,4-Dinitrotoluene	NA		NA		NA		10	U		NA	
2,6-Dinitrotoluene	NA		NA		NA		10	U		NA	
2-Chloronaphthalene	NA		NA		NA		10	U		NA	
2-Chlorophenol	NA		NA		NA		10	U		NA	
2-Methylnaphthalene	NA		NA		NA		10	U		NA	
2-Methylphenol	NA		NA		NA		10	U		NA	
2-Nitroaniline	NA		NA		NA		25	U		NA	
2-Nitrophenol	NA		NA		NA		10	U		NA	
3,3'-Dichlorobenzidine	NA		NA		NA		10	U		NA	
3-Nitroaniline	NA		NA		NA		25	U		NA	
4,6-Dinitro-2-methylphenol	NA		NA		NA		25	U		NA	
4-Bromophenyl-phenylether	NA		NA		NA		10	U		NA	
4-Chloro-3-methylphenol	NA		NA		NA		10	U		NA	
4-Chloroaniline	NA		NA		NA		10	U		NA	
4-Chlorophenyl-phenylether	NA		NA		NA		10	U		NA	
4-Methylphenol	NA		NA		NA		10	U		NA	
4-Nitroaniline	NA		NA		NA		25	U		NA	
4-Nitrophenol	NA		NA		NA		25	U		NA	
Acenaphthene	NA		NA		NA		10	U		NA	
Acenaphthylene	NA		NA		NA		10	U		NA	
Acetophenone	NA		NA		NA		10	U		NA	
Anthracene	NA		NA		NA		10	U		NA	
Atrazine	NA		NA		NA		10	U		NA	
Benzaldehyde	NA		NA		NA		10	U		NA	
Benzo(a)anthracene	NA		NA		NA		10	U		NA	
Benzo(a)pyrene	NA		NA		NA		10	U		NA	

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	LPX SW-2051-01		LPX DU-1104999		LPX-SW-2051-01-MAX		LPX-SW-2051-01A			LPX-SW-2051-01F		
Sample Location	LPX-SD-2051		LPX-SD-2051		LPX-SD-2051		LPX-SD-2051			LPX-SD-2051		
Interval	0 0-0 0		0 0-0.0		0 0-0 0		0 0-0 0			0 0-0 0		
Date Sampled	11/4/99		11/4/99		11/4/99		11/9/99			11/4/99		
QC Identifier	Field Dup. LPX-SW-2051-01		Field Dup. LPX-SW-2051-01		Field Dup. LPX-SW-2051-01		None			None		
Benzo(b)fluoranthene		NA		NA		NA	10	U			NA
Benzo(g,h,i)perylene		NA		NA		NA	10	U			NA
Benzo(k)fluoranthene		NA		NA		NA	10	U			NA
Bis(2-Chloroethoxy)methane		NA		NA		NA	10	U			NA
Bis(2-Chloroethyl)ether		NA		NA		NA	10	U			NA
bis(2-Ethylhexyl)phthalate		NA		NA		NA	10	U			NA
Butylbenzylphthalate		NA		NA		NA	10	U			NA
Caprolactam		NA		NA		NA	10	U			NA
Carbazole		NA		NA		NA	10	U			NA
Chrysene		NA		NA		NA	10	U			NA
Di-n-Butylphthalate		NA		NA		NA	10	U			NA
Di-n-octylphthalate		NA		NA		NA	10	U			NA
Dibenzo(a,h)anthracene		NA		NA		NA	10	U			NA
Dibenzofuran		NA		NA		NA	10	U			NA
Diethylphthalate		NA		NA		NA	10	U			NA
Dimethylphthalate		NA		NA		NA	10	U			NA
Fluoranthene		NA		NA		NA	10	U			NA
Fluorene		NA		NA		NA	10	U			NA
Hexachlorobenzene		NA		NA		NA	10	U			NA
Hexachlorobutadiene		NA		NA		NA	10	U			NA
Hexachlorocyclopentadiene		NA		NA		NA	10	U			NA
Hexachloroethane		NA		NA		NA	10	U			NA
Indeno(1,2,3-cd)pyrene		NA		NA		NA	10	U			NA
Isophorone		NA		NA		NA	10	U			NA
N-Nitroso-di-n-propylamine		NA		NA		NA	10	U			NA
N-Nitroso-diphenylamine		NA		NA		NA	10	U			NA
Naphthalene		NA		NA		NA	10	U			NA
Nitrobenzene		NA		NA		NA	25	U			NA
Pentachlorophenol		NA		NA		NA	10	U			NA
Phenanthrene		NA		NA		NA	10	U			NA
Phenol		NA		NA		NA	10	U			NA
Pyrene		NA		NA		NA	10	U			NA
Total PAH		NA		NA		NA	10	U			NA

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	LPX-SW-2051-01		LPX DU 1104999		LPX-SW-2051-01-MAX		LPX-SW-2051-01A		LPX-SW-2051-01F	
Sample Location	LPX-SD-2051		LPX-SD-2051		LPX-SD-2051		LPX-SD-2051		LPX-SD-2051	
Interval	0 0-0 0		0 0-0 0		0 0-0.0		0 0-0 0		0 0-0 0	
Date Sampled	11/4/99		11/4/99		11/4/99		11/9/99		11/4/99	
QC Identifier	Field Dup. LPX-SW-2051-01		Field Dup. LPX-SW-2051-01		Field Dup. LPX-SW-2051-01		None		None	
Pesticide/PCB Analysis (UG/L)							AQB70			
4,4'-DDD		NA		NA		NA	0.10	U		NA
4,4'-DDE		NA		NA		NA	0.10	U		NA
4,4'-DDT		NA		NA		NA	0.10	U		NA
Aldrin		NA		NA		NA	0.05	U		NA
alpha-BHC		NA		NA		NA	0.05	U		NA
alpha-Chlordane		NA		NA		NA	0.05	U		NA
Aroclor, Total		NA		NA		NA	2.0	U		NA
Aroclor-1016		NA		NA		NA	1.0	U		NA
Aroclor-1221		NA		NA		NA	2.0	U		NA
Aroclor-1232		NA		NA		NA		NA		NA
Aroclor-1242		NA		NA		NA	1.0	U		NA
Aroclor-1248		NA		NA		NA	1.0	U		NA
Aroclor-1254		NA		NA		NA	1.0	U		NA
Aroclor-1260		NA		NA		NA	1.0	U		NA
beta-BHC		NA		NA		NA	0.05	U		NA
delta-BHC		NA		NA		NA	0.05	U		NA
Dieldrin		NA		NA		NA	0.10	U		NA
Endosulfan I		NA		NA		NA	0.05	U		NA
Endosulfan II		NA		NA		NA	0.10	U		NA
Endosulfan Sulfate		NA		NA		NA	0.10	U		NA
Endrin		NA		NA		NA	0.10	U		NA
Endrin Aldehyde		NA		NA		NA		NA		NA
Endrin Ketone		NA		NA		NA	0.10	U		NA
gamma-BHC		NA		NA		NA	0.05	U		NA
gamma-Chlordane		NA		NA		NA	0.05	U		NA
Heptachlor		NA		NA		NA	0.05	U		NA
Heptachlor Epoxide		NA		NA		NA	0.05	U		NA
Methoxychlor		NA		NA		NA	0.50	U		NA
Toxaphene		NA		NA		NA	5.0	U		NA

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Sample Number	LPX-SW-2051-01		LPX-DU-1104998		LPX-SW-2051-01-MAX		LPX-SW-2051-01A		LPX-SW-2051-01F	
Sample Location	LPX-SD-2051		LPX-SD-2051		LPX-SD-2051		LPX-SD-2051		LPX-SD-2051	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	11/4/99		11/4/99		11/4/99		11/9/99		11/4/99	
QC Identifier	Field Dup. LPX-SW-2051-01		Field Dup. LPX-SW-2051-01		Field Dup. LPX-SW-2051-01		None		None	
Dioxin Analysis (PG/L)	D01002				D01002					
1,2,3,4,6,7,8-HpCDD	3.4	UJ		NA	3.4	U		NA		NA
1,2,3,4,6,7,8-HpCDF	1.6	UJ		NA	1.6	U		NA		NA
1,2,3,4,7,8,9-HpCDF	2.4	UJ		NA	2.4	U		NA		NA
1,2,3,4,7,8-HxCDD	1.6	UJ		NA	1.6	U		NA		NA
1,2,3,4,7,8-HxCDF	1.0	UJ		NA	1.0	U		NA		NA
1,2,3,6,7,8-HxCDD	1.4	UJ		NA	1.4	U		NA		NA
1,2,3,6,7,8-HxCDF	1.4	UJ		NA	1.4	U		NA		NA
1,2,3,7,8,9-HxCDD	1.6	UJ		NA	1.6	U		NA		NA
1,2,3,7,8,9-HxCDF	1.3	UJ		NA	1.3	U		NA		NA
1,2,3,7,8-PeCDD	2.3	UJ		NA	2.3	U		NA		NA
1,2,3,7,8-PeCDF	1.7	UJ		NA	1.7	U		NA		NA
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U		NA		NA		NA		NA
2,3,4,6,7,8-HxCDF	1.0	UJ		NA	1.0	U		NA		NA
2,3,4,7,8-PeCDF	1.7	UJ		NA	1.7	U		NA		NA
2,3,7,8-TCDD	4.1	EMPC		NA	4.1			NA		NA
2,3,7,8-TCDF	1.6	UJ		NA	1.6	U		NA		NA
OCDD	18.6	EMPC		NA	18.6			NA		NA
OCDF	4.2	UJ		NA	4.2	U		NA		NA
Total HpCDD	3.4	UJ		NA	3.4	U		NA		NA
Total HpCDF	1.9	UJ		NA	1.9	U		NA		NA
Total HxCDD	1.5	UJ		NA	1.5	U		NA		NA
Total HxCDF	1.4	UJ		NA	1.4	U		NA		NA
Total PeCDD	2.3	UJ		NA	2.3	U		NA		NA
Total PeCDF	1.7	UJ		NA	1.7	U		NA		NA
Total TCDD	4.1	EMPC		NA	4.1			NA		NA
Total TCDF	1.6	UJ		NA	1.6	U		NA		NA
Toxicity Equivalency	6.2			NA	6.2			NA		NA

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	LPX-SW-2051-01		LPX-DU-1104998		LPX-SW-2051-01-MAX		LPX-SW-2051-01A		LPX-SW-2051-01F	
Sample Location	LPX-SD-2051		LPX-SD-2051		LPX-SD-2051		LPX-SD-2051		LPX-SD-2051	
Interval	0 0-0 0		0 0-0.0		0 0-0.0		0 0-0 0		0 0 0 0	
Date Sampled	11/4/99		11/4/99		11/4/99		11/9/99		11/4/00	
QC Identifier	Field Dup. LPX-SW-2051-01		Field Dup. LPX-SW-2051-01		Field Dup. LPX-SW-2051-01		None		None	
TAL Metal Analysis (UG/L)	MAMB90		MAMB92		MAMB92				MAMB91	
Aluminum	86 6		79 0		86 6			NA	83 6	
Antimony	2 1	UJ	2 8	UJ	2 8	U		NA	2 1	UJ
Arsenic	2 2	U	2 2	U	2 2	U		NA	2 2	U
Barium	20.2		20 5		20 5			NA	187	
Beryllium	0 10	U	0 10	U	0 10	U		NA	0 10	UJ
Cadmium	0 30	U	0 30	U	0 30	U		NA	0 30	U
Calcium	8770		8840		8840			NA	8840	
Chromium	1 2	U	1 2	U	1 2	U		NA	0 60	U
Cobalt	0 60	U	0 60	J	0 60	U		NA	0 60	U
Copper	2 0		2 1		2 1			NA	3 6	
Iron	439		512		512			NA	334	
Lead	2 1	UJ	1 9	UJ	2 1	U		NA	1 1	U
Magnesium	1400		1430		1430			NA	1410	
Manganese	122		120		122			NA	108	
Mercury	0 10	U	0 10	U	0 10	U		NA	0 10	U
Nickel	1 4	J	5 4		5 4			NA	1 5	J
Potassium	2350		2370		2370			NA	2350	
Selenium	1 8	U	1 8	U	1 8	U		NA	1 8	U
Silver	0 40	U	0 40	U	0 40	U		NA	0 40	U
Sodium	22700		23000		23000			NA	25400	
Thallium	2 1	U	2 1	U	2 1	U		NA	2 1	U
Vanadium	0 50	U	0 90	J	0 50	U		NA	0 50	U
Zinc	13 4	J	12 9	U	12 9	U		NA	70 1	

Summary of Surface Water Analytical Results
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Sample Number	LPX-SW-2062-01		LPX-SW-2062-01F		LPX-SW-2063-01		LPX-SW-2063-01F		RAB-SW-3004-01		RAB-SW-3004-01F		RCC-SW-3001-01	
Sample Location	LPX-SD-2062		LPX-SD-2062		LPX-SD-2063		LPX-SD-2063		RAB-SD-3004		RAB-SD-3004		RCC-SD-3001	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/4/99		11/4/99		11/4/99		11/4/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		None		None		None		None		None		None	
Semivolatile Organic Analysis (UG/L)	AQB58				AQB59				AQB76				AQB75	
1,1'-Biphenyl	10	U			NA	10	U		NA	10	U		NA	10 U
2,2'-oxybis(1-Chloropropane)	10	U			NA	10	U		NA	10	U		NA	10 U
2,4,5-Trichlorophenol	25	U			NA	25	U		NA	25	U		NA	25 U
2,4,6-Trichlorophenol	10	U			NA	10	U		NA	10	U		NA	10 U
2,4-Dichlorophenol	10	U			NA	10	U		NA	10	U		NA	10 U
2,4-Dimethylphenol	10	U			NA	10	U		NA	10	U		NA	10 U
2,4-Dinitrophenol	25	U			NA	25	U		NA	25	UJ		NA	25 UJ
2,4-Dinitrotoluene	10	U			NA	10	U		NA	10	U		NA	10 U
2,6-Dinitrotoluene	10	U			NA	10	U		NA	10	U		NA	10 U
2-Chloronaphthalene	10	U			NA	10	U		NA	10	U		NA	10 U
2-Chlorophenol	10	U			NA	10	U		NA	10	U		NA	10 U
2-Methylnaphthalene	10	U			NA	10	U		NA	10	U		NA	10 U
2-Methylphenol	10	U			NA	10	U		NA	10	U		NA	10 U
2-Nitroaniline	25	U			NA	25	U		NA	25	U		NA	25 U
2-Nitrophenol	10	U			NA	10	U		NA	10	U		NA	10 U
3,3'-Dichlorobenzidine	10	U			NA	10	U		NA	10	U		NA	10 U
3-Nitroaniline	25	U			NA	25	U		NA	25	U		NA	25 U
4,6-Dinitro-2-methylphenol	25	U			NA	25	U		NA	25	U		NA	25 U
4-Bromophenyl-phenylether	10	U			NA	10	U		NA	10	U		NA	10 U
4-Chloro-3-methylphenol	10	U			NA	10	U		NA	10	U		NA	10 U
4-Chloroaniline	10	U			NA	10	U		NA	10	U		NA	10 U
4-Chlorophenyl-phenylether	10	U			NA	10	U		NA	10	U		NA	10 U
4-Methylphenol	10	U			NA	10	U		NA	10	U		NA	10 U
4-Nitroaniline	25	U			NA	25	U		NA	25	U		NA	25 U
4-Nitrophenol	25	U			NA	25	U		NA	25	U		NA	25 U
Acenaphthene	10	U			NA	10	U		NA	10	U		NA	10 U
Acenaphthylene	10	U			NA	10	U		NA	10	U		NA	10 U
Acetophenone	10	U			NA	10	U		NA	10	U		NA	10 U
Anthracene	10	U			NA	10	U		NA	10	U		NA	10 U
Atrazine	10	U			NA	10	U		NA	10	U		NA	10 U
Benzaldehyde	10	U			NA	10	U		NA	10	U		NA	10 U
Benzo(a)anthracene	10	U			NA	10	U		NA	10	U		NA	10 U
Benzo(a)pyrene	10	U			NA	10	U		NA	10	U		NA	10 U

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Sample Number	LPX-SW-2052-01		LPX-SW-2052-01F		LPX-SW-2053-01		LPX-SW-2053-01F		RAB-SW-3004-01		RAB-SW-3004-01F		RCC-SW-3001-01	
Sample Location	LPX-SD-2052		LPX-SD-2052		LPX-SD-2053		LPX-SD-2053		RAB-SD-3004		RAB-SD-3004		RCC-SD-3001	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/4/99		11/4/99		11/4/99		11/4/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		None		None		None		None		None		None	
Benzo(b)fluoranthene	10	U		NA	10	U		NA	10	U		NA	10	U
Benzo(g,h,i)perylene	10	U		NA	10	U		NA	10	U		NA	10	U
Benzo(k)fluoranthene	10	U		NA	10	U		NA	10	U		NA	10	U
Bis(2-Chloroethoxy)methane	10	U		NA	10	U		NA	10	U		NA	10	U
Bis(2-Chloroethyl)ether	10	U		NA	10	U		NA	10	U		NA	10	U
bis(2-Ethylhexyl)phthalate	10	U		NA	10	U		NA	1	J		NA	10	U
Butylbenzylphthalate	10	U		NA	10	U		NA	10	U		NA	10	U
Caprolactam	10	U		NA	10	U		NA	10	U		NA	10	U
Carbazole	10	U		NA	10	U		NA	10	U		NA	10	U
Chrysene	10	U		NA	10	U		NA	10	U		NA	10	U
Di-n-Butylphthalate	10	U		NA	10	U		NA	10	U		NA	10	U
Di-n-octylphthalate	10	U		NA	10	U		NA	10	U		NA	10	U
Dibenzo(a,h)anthracene	10	U		NA	10	U		NA	10	U		NA	10	U
Dibenzofuran	10	U		NA	10	U		NA	10	U		NA	10	U
Diethylphthalate	10	U		NA	10	U		NA	10	U		NA	10	U
Dimethylphthalate	10	U		NA	10	U		NA	10	U		NA	10	U
Fluoranthene	10	U		NA	10	U		NA	10	U		NA	10	U
Fluorene	10	U		NA	10	U		NA	10	U		NA	10	U
Hexachlorobenzene	10	U		NA	10	U		NA	10	U		NA	10	U
Hexachlorobutadiene	10	U		NA	10	U		NA	10	U		NA	10	U
Hexachlorocyclopentadiene	10	U		NA	10	U		NA	10	U		NA	10	U
Hexachloroethane	10	U		NA	10	U		NA	10	U		NA	10	U
Indeno(1,2,3-cd)pyrene	10	U		NA	10	U		NA	10	U		NA	10	U
Isophorone	10	U		NA	10	U		NA	10	U		NA	10	U
N-Nitroso-di-n-propylamine	10	U		NA	10	U		NA	10	U		NA	10	U
N-Nitroso-diphenylamine	10	U		NA	10	U		NA	10	U		NA	10	U
Naphthalene	10	U		NA	10	U		NA	10	U		NA	10	U
Nitrobenzene	10	U		NA	10	U		NA	10	U		NA	10	U
Pentachlorophenol	25	U		NA	25	U		NA	25	U		NA	25	U
Phenanthrene	10	U		NA	10	U		NA	10	U		NA	10	U
Phenol	10	U		NA	10	U		NA	10	U		NA	10	U
Pyrene	10	U		NA	10	U		NA	10	U		NA	10	U
Total PAH	10	U		NA	10	U		NA	10	U		NA	10	U

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Sample Number	LPX-SW-2052-01		LPX-SW-2052-01F		LPX-SW-2053-01		LPX-SW-2053-01F		RAB-SW-3004-01		RAB-SW-3004-01F		RCC-SW-3001-01	
Sample Location	LPX-SD-2052		LPX-SD-2052		LPX-SD-2053		LPX-SD-2053		RAB-SD-3004		RAB-SD-3004		RCC-SD-3001	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/4/99		11/4/99		11/4/99		11/4/99		11/10/99		11/10/99		11/10/00	
QC Identifier	None		None		None		None		None		None		None	
Pesticide/PCB Analysis (UG/L)	AQB58				AQB59				AQB76				AQB76	
4,4'-DDD	0.10	U			0.10	U			0.10	U			0.10	U
4,4'-DDE	0 10	U			0.10	U			0 10	U			0 10	U
4,4'-DDT	0.10	U			0.10	U			0 10	U			0 10	U
Aldrin	0.0088	J			0.05	U			0 05	U			0 05	U
alpha-BHC	0.05	U			0 05	U			0.05	U			0 05	U
alpha-Chlordane	0.05	U			0.05	U			0.05	U			0 05	U
Aroclor, Total	2.0	U			2 0	U			2.0	U			2 0	U
Aroclor-1016	1.0	U			1.0	U			1.0	U			1 0	U
Aroclor-1221	2.0	U			2.0	U			2.0	U			2 0	U
Aroclor-1232	1.0	U			1.0	U				NA				NA
Aroclor-1242	1.0	U			1.0	U			1.0	U			1 0	U
Aroclor-1248	1.0	U			1.0	U			1.0	U			1.0	U
Aroclor-1254	1.0	U			1.0	U			1.0	U			1.0	U
Aroclor-1260	1.0	U			1.0	U			1.0	U			1.0	U
beta-BHC	0.05	U			0.05	U			0.05	U			0 05	U
delta-BHC	0.05	U			0 05	U			0.05	U			0 05	U
Dieldrin	0.10	U			0.10	U			0 10	U			0 10	U
Endosulfan I	0.05	U			0.05	U			0.05	U			0 05	U
Endosulfan II	0.10	U			0 10	U			0.10	U			0 10	U
Endosulfan Sulfate	0.10	U			0 10	U			0.10	U			0 10	U
Endrin	0.10	U			0.10	U			0.10	U			0 10	U
Endrin Aldehyde	0.10	U			0.10	U				NA				NA
Endrin Ketone	0.10	U			0.10	U			0.10	U			0.10	U
gamma-BHC	0.05	U			0.05	U			0.05	U			0 05	U
gamma-Chlordane	0.05	U			0.05	U			0.05	U			0 05	U
Heptachlor	0 05	U			0 05	U			0 05	U			0 05	U
Heptachlor Epoxide	0 05	U			0 05	U			0 05	U			0 05	U
Methoxychlor	0.50	U			0.50	U			0 50	U			0 50	U
Toxaphene	5 0	U			5 0	U			5 0	U			5 0	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	LPX-SW-2052-01		LPX-SW-2052-01F		LPX-SW-2053-01		LPX-SW-2053-01F		RAB-SW-3004-01		RAB-SW-3004-01F		RCC-SW-3001-01	
Sample Location	LPX-SD-2052		LPX-SD-2052		LPX-SD-2053		LPX-SD-2053		RAB-SD-3004		RAB-SD-3004		RCC-SD-3001	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/4/99		11/4/99		11/4/99		11/4/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		None		None		None		None		None		None	
Dioxin Analysis (PG/L)	D00969				D00990				D01048				D01049	
1,2,3,4,6,7,8-HpCDD	6 4	U		NA	5 9	J		NA	6.0	U		NA	12 4	J
1,2,3,4,6,7,8-HpCDF	5 0	U		NA	5.3	UJ		NA	3 6	U		NA	5 3	U
1,2,3,4,7,8,9-HpCDF	7.6	U		NA	0.00	UJ		NA	4 6	U		NA	4 9	U
1,2,3,4,7,8-HxCDD	4.4	U		NA	5.0	UJ		NA	4.0	U		NA	4 2	U
1,2,3,4,7,8-HxCDF	3.1	U		NA	3.6	UJ		NA	2.6	U		NA	2.7	U
1,2,3,6,7,8-HxCDD	4.5	U		NA	5.0	UJ		NA	3.7	U		NA	4.0	U
1,2,3,6,7,8-HxCDF	3.1	U		NA	3.6	UJ		NA	2 4	U		NA	2 5	U
1,2,3,7,8,9-HxCDD	4.7	U		NA	5.4	UJ		NA	3.9	U		NA	4 1	U
1,2,3,7,8,9-HxCDF	4.0	U		NA	4.6	UJ		NA	2.8	U		NA	3.0	U
1,2,3,7,8-PeCDD	3.7	U		NA	4.4	UJ		NA	3.5	U		NA	3.4	U
1,2,3,7,8-PeCDF	3.1	U		NA	4.1	UJ		NA	2.4	U		NA	2.6	U
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U		NA	0.00	U		NA	0.00	U		NA	0.00	U
2,3,4,6,7,8-HxCDF	3.3	U		NA	3.8	UJ		NA	2.5	U		NA	2.7	U
2,3,4,7,8-PeCDF	3.3	U		NA	4.4	UJ		NA	2.5	U		NA	2.8	U
2,3,7,8-TCDD	4.7	U		NA	6.5	UJ		NA	3.2	U		NA	3.4	U
2,3,7,8-TCDF	4.0	U		NA	0.00	UJ		NA	2.8	U		NA	2.7	U
OCDD	29.7			NA	24.2	J		NA	14.0	U		NA	79.9	U
OCDF	9.1	U		NA	9.9	UJ		NA	8.1	U		NA	11.1	U
Total HpCDD	6.4	UJ		NA	5.9	J		NA	6.0	UJ		NA	24.6	J
Total HpCDF	6.0	UJ		NA	6.4	UJ		NA	4.0	UJ		NA	5.3	UJ
Total HxCDD	4.5	UJ		NA	5.1	UJ		NA	3.9	UJ		NA	4.1	UJ
Total HxCDF	3.4	UJ		NA	3.9	UJ		NA	2.6	UJ		NA	2.7	UJ
Total PeCDD	3.7	UJ		NA	4.4	UJ		NA	3.5	UJ		NA	3.4	UJ
Total PeCDF	3.2	UJ		NA	4.2	UJ		NA	2.4	UJ		NA	2.7	UJ
Total TCDD	4.7	UJ		NA	6.5	UJ		NA	3.2	UJ		NA	3.4	UJ
Total TCDF	4.0	UJ		NA	7.4	UJ		NA	2.8	UJ		NA	2.7	UJ
Toxicity Equivalency	6.6			NA	6.1			NA	0.03			NA	0.12	

Summary of Surface Water Analytical Results
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Sample Number	LPX-SW-2062-01		LPX-SW-2062-01F		LPX-SW-2063-01		LPX-SW-2063-01F		RAB-SW-3004-01		RAB-SW-3004-01F		RCC-SW-3001-01	
Sample Location	LPX-SD-2062		LPX-SD-2062		LPX-SD-2063		LPX-SD-2063		RAB-SD-3004		RAB-SD-3004		RCC-SD-3001	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	11/4/99		11/4/99		11/4/99		11/4/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		None		None		None		None		None		None	
TAL Metal Analysis (UG/L)	MAMB86		MAMB87		MAMB88		MAMB89		MALJ26		MALJ27		MALJ23	
Aluminum	85.4		41.0	J	58.6	J	42.2	J	263		68.8	U	166	
Antimony	2.1	UJ	2.1	UJ	2.1	UJ	2.1	UJ	5.0	U	5.0	U	5.0	U
Arsenic	2.2	U	2.2	U	2.2	U	2.2	U	6.0	U	6.0	U	6.0	U
Barium	20.6		218		19.1		201		25.0		21.8	U	22.0	
Beryllium	0.10	UJ	0.10	U	0.10	U	0.10	U	1.0	U	1.0	U	1.0	U
Cadmium	0.30	U	0.30	U	0.30	U	0.30	U	1.0	U	1.0	U	1.0	U
Calcium	9180		8050		8630		8070		8650		8590		9310	
Chromium	0.40	UJ	0.40	UJ	0.30	UJ	0.40	UJ	1.0	U	1.0	U	2.5	
Cobalt	0.60	U	0.60	U	0.60	U	0.60	U	1.0	U	1.0	U	1.0	U
Copper	3.0		1.8		1.3		2.1		3.5		3.4		12.6	
Iron	414		244		356		274		1110		496		657	
Lead	1.4	UJ	1.5	UJ	1.1	UJ	1.1	U	2.0	U	2.0	U	6.8	
Magnesium	1420		1310		1330		1330		1650		1610		1430	J
Manganese	95.6		54.4		87.5		74.8		166		127		126	
Mercury	0.10	U	0.10	U	0.10	U	0.10	U	0.20	U	0.20	U	0.20	U
Nickel	1.3	U	1.3	U	1.3	U	1.3	U	2.1	J	2.0	U	3.5	J
Potassium	2440		2160		2270		2110		1540		1530		1890	
Selenium	1.8	U	1.8	U	1.8	U	1.8	U	5.0	U	5.0	U	5.0	U
Silver	0.40	U	0.40	U	0.40	U	0.40	U	1.0	U	1.0	U	1.1	UJ
Sodium	22900		23600		21100		24000		18600		18600	U	21600	
Thallium	2.1	U	2.1	U	2.1	U	2.1	U	7.0	U	7.0	U	7.0	U
Vanadium	0.50	U	0.50	U	0.50	U	0.50	U	2.0	U	2.0	U	2.2	
Zinc	23.0	J	70.8		16.3	J	88.3		66.5		20.6		48.2	

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RCC-SW-3001-01F		RCC-SW-3002-01		RCC-SW-DU-111099A		RCC-SW-3002-01-MAX		RCC-SW-3002-01F	
Sample Location	RCC-SD-3001		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/10/99		11/10/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		Field Dup RCC-SW-3002-01		Field Dup RCC-SW-3002-01		Field Dup RCC-SW-3002-01		None	
Semivolatile Organic Analysis (UG/L)			AQB73				AQB73			
1,1'-Biphenyl		NA	10	U		NA	10	U		NA
2,2'-oxybis(1-Chloropropane)		NA	10	U		NA	10	U		NA
2,4,5-Trichlorophenol		NA	25	U		NA	25	U		NA
2,4,6-Trichlorophenol		NA	10	U		NA	10	U		NA
2,4-Dichlorophenol		NA	10	U		NA	10	U		NA
2,4-Dimethylphenol		NA	10	U		NA	10	U		NA
2,4-Dinitrophenol		NA	25	UJ		NA	25	U		NA
2,4-Dinitrotoluene		NA	10	U		NA	10	U		NA
2,6-Dinitrotoluene		NA	10	U		NA	10	U		NA
2-Chloronaphthalene		NA	10	U		NA	10	U		NA
2-Chlorophenol		NA	10	U		NA	10	U		NA
2-Methylnaphthalene		NA	10	U		NA	10	U		NA
2-Methylphenol		NA	10	U		NA	10	U		NA
2-Nitroaniline		NA	25	U		NA	25	U		NA
2-Nitrophenol		NA	10	U		NA	10	U		NA
3,3'-Dichlorobenzidine		NA	10	U		NA	10	U		NA
3-Nitroaniline		NA	25	U		NA	25	U		NA
4,6-Dinitro-2-methylphenol		NA	25	U		NA	25	U		NA
4-Bromophenyl-phenylether		NA	10	U		NA	10	U		NA
4-Chloro-3-methylphenol		NA	10	U		NA	10	U		NA
4-Chloroaniline		NA	10	U		NA	10	U		NA
4-Chlorophenyl-phenylether		NA	10	U		NA	10	U		NA
4-Methylphenol		NA	10	U		NA	10	U		NA
4-Nitroaniline		NA	25	U		NA	25	U		NA
4-Nitrophenol		NA	25	U		NA	25	U		NA
Acenaphthene		NA	10	U		NA	10	U		NA
Acenaphthylene		NA	10	U		NA	10	U		NA
Acetophenone		NA	10	U		NA	10	U		NA
Anthracene		NA	10	U		NA	10	U		NA
Atrazine		NA	10	U		NA	10	U		NA
Benzaldehyde		NA	10	U		NA	10	U		NA
Benzo(a)anthracene		NA	10	U		NA	10	U		NA
Benzo(a)pyrene		NA	10	U		NA	10	U		NA

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RCC-SW-3001-01F		RCC-SW-3002-01		RCC-SW-DU-111099A		RCC-SW-3002-01-MAX		RCC-SW-3002-01F	
Sample Location	RCC-SD-3001		RCC-SD-3002		RCC-SD-3002		RCC SD-3002		RCC-SD-3002	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/10/99		11/10/99		11/10/99		11/10/99		11/10/00	
QC Identifier	None		Field Dup. RCC-SW-3002-01		Field Dup. RCC-SW-3002-01		Field Dup. RCC-SW-3002-01		None	
Benzo(b)fluoranthene		NA	10	U		NA	10	U		NA
Benzo(g,h,i)perylene		NA	10	U		NA	10	U		NA
Benzo(k)fluoranthene		NA	10	U		NA	10	U		NA
Bis(2-Chloroethoxy)methane		NA	10	U		NA	10	U		NA
Bis(2-Chloroethyl)ether		NA	10	U		NA	10	U		NA
bis(2-Ethylhexyl)phthalate		NA	10	U		NA	10	U		NA
Butylbenzylphthalate		NA	10	U		NA	10	U		NA
Caprolactam		NA	10	U		NA	10	U		NA
Carbazole		NA	10	U		NA	10	U		NA
Chrysene		NA	10	U		NA	10	U		NA
Di-n-Butylphthalate		NA	10	U		NA	10	U		NA
Di-n-octylphthalate		NA	10	U		NA	10	U		NA
Dibenzo(a,h)anthracene		NA	10	U		NA	10	U		NA
Dibenzofuran		NA	10	U		NA	10	U		NA
Diethylphthalate		NA	10	U		NA	10	U		NA
Dimethylphthalate		NA	10	U		NA	10	U		NA
Fluoranthene		NA	10	U		NA	10	U		NA
Fluorene		NA	10	U		NA	10	U		NA
Hexachlorobenzene		NA	10	U		NA	10	U		NA
Hexachlorobutadiene		NA	10	U		NA	10	U		NA
Hexachlorocyclopentadiene		NA	10	U		NA	10	U		NA
Hexachloroethane		NA	10	U		NA	10	U		NA
Indeno(1,2,3-cd)pyrene		NA	10	U		NA	10	U		NA
Isophorone		NA	10	U		NA	10	U		NA
N-Nitroso-di-n-propylamine		NA	10	U		NA	10	U		NA
N-Nitroso-diphenylamine		NA	10	U		NA	10	U		NA
Naphthalene		NA	10	U		NA	10	U		NA
Nitrobenzene		NA	10	U		NA	10	U		NA
Pentachlorophenol		NA	25	U		NA	25	U		NA
Phenanthrene		NA	10	U		NA	10	U		NA
Phenol		NA	10	U		NA	10	U		NA
Pyrene		NA	10	U		NA	10	U		NA
Total PAH		NA	10	U		NA	10	U		NA

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	RCC-SW-3001-01F		RCC-SW-3002-01		RCC-SW-DU-111099A		RCC-SW-3002-01-MAX		RCC-SW-3002-01F	
Sample Location	RCC-SD-3001		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/10/99		11/10/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		Field Dup. RCC-SW-3002-01		Field Dup. RCC-SW-3002-01		Field Dup. RCC-SW-3002-01		None	
Pesticide/PCB Analysis (UG/L)			AQB73				AQB73			
4,4'-DDD		NA	0 10	U		NA	0 10	U		NA
4,4'-DDE		NA	0 10	U		NA	0 10	U		NA
4,4'-DDT		NA	0 10	U		NA	0 10	U		NA
Aldrin		NA	0.05	U		NA	0 05	U		NA
alpha-BHC		NA	0.05	U		NA	0 05	U		NA
alpha-Chlordane		NA	0.05	U		NA	0 05	U		NA
Aroclor, Total		NA	2 0	U		NA	2 0	U		NA
Aroclor-1016		NA	1.0	U		NA	1.0	U		NA
Aroclor-1221		NA	2.0	U		NA	2.0	U		NA
Aroclor-1232		NA		NA		NA		NA		NA
Aroclor-1242		NA	1.0	U		NA	1.0	U		NA
Aroclor-1248		NA	1.0	U		NA	1.0	U		NA
Aroclor-1254		NA	1.0	U		NA	1.0	U		NA
Aroclor-1260		NA	1.0	U		NA	1.0	U		NA
beta-BHC		NA	0.05	U		NA	0.05	U		NA
delta-BHC		NA	0.05	U		NA	0.05	U		NA
Dieldrin		NA	0 10	U		NA	0.10	U		NA
Endosulfan I		NA	0.05	U		NA	0 05	U		NA
Endosulfan II		NA	0.10	U		NA	0.10	U		NA
Endosulfan Sulfate		NA	0.10	U		NA	0.10	U		NA
Endrin		NA	0.10	U		NA	0 10	U		NA
Endrin Aldehyde		NA		NA		NA		NA		NA
Endrin Ketone		NA	0.10	U		NA	0.10	U		NA
gamma-BHC		NA	0 05	U		NA	0 05	U		NA
gamma-Chlordane		NA	0 05	U		NA	0 05	U		NA
Heptachlor		NA	0 05	U		NA	0 05	U		NA
Heptachlor Epoxide		NA	0 05	U		NA	0 05	U		NA
Methoxychlor		NA	0 50	U		NA	0 50	U		NA
Toxaphene		NA	5 0	U		NA	5 0	U		NA

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	RCC-SW-3001-01F		RCC-SW-3002-01		RCC-SW-DU-111099A		RCC-SW-3002-01-MAX		RCC-SW-3002-01F	
Sample Location	RCC-SD-3001		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/10/99		11/10/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		Field Dup. RCC-SW-3002-01		Field Dup. RCC-SW-3002-01		Field Dup. RCC-SW-3002-01		None	
Dioxin Analysis (PG/L)			D01037				D01037			
1,2,3,4,6,7,8-HpCDD		NA	8.4	U		NA	8.4	U		NA
1,2,3,4,6,7,8-HpCDF		NA	5.3	U		NA	5.3	U		NA
1,2,3,4,7,8,9-HpCDF		NA	6.8	U		NA	6.8	U		NA
1,2,3,4,7,8-HxCDD		NA	5.4	U		NA	5.4	U		NA
1,2,3,4,7,8-HxCDF		NA	4.4	U		NA	4.4	U		NA
1,2,3,6,7,8-HxCDD		NA	5.1	U		NA	5.1	U		NA
1,2,3,6,7,8-HxCDF		NA	4.1	U		NA	4.1	U		NA
1,2,3,7,8,9-HxCDD		NA	5.3	U		NA	5.3	U		NA
1,2,3,7,8,9-HxCDF		NA	4.8	U		NA	4.8	U		NA
1,2,3,7,8-PeCDD		NA	4.8	U		NA	4.8	U		NA
1,2,3,7,8-PeCDF		NA	3.6	U		NA	3.6	U		NA
1,2,4,5,7,8-hexachloro(9H)xanthene		NA	0.00	U		NA		NA		NA
2,3,4,6,7,8-HxCDF		NA	4.3	U		NA	4.3	U		NA
2,3,4,7,8-PeCDF		NA	3.8	U		NA	3.8	U		NA
2,3,7,8-TCDD		NA	5.3	U		NA	5.3	U		NA
2,3,7,8-TCDF		NA	4.8	U		NA	4.8	U		NA
OCDD		NA	29.5	U		NA	29.5	U		NA
OCDF		NA	10.1	U		NA	10.1	U		NA
Total HpCDD		NA	8.4	UJ		NA	8.4	U		NA
Total HpCDF		NA	5.9	UJ		NA	5.9	U		NA
Total HxCDD		NA	5.3	UJ		NA	5.3	U		NA
Total HxCDF		NA	4.4	UJ		NA	4.4	U		NA
Total PeCDD		NA	4.8	UJ		NA	4.8	U		NA
Total PeCDF		NA	3.7	UJ		NA	3.7	U		NA
Total TCDD		NA	5.3	UJ		NA	5.3	U		NA
Total TCDF		NA	4.8	UJ		NA	4.8	U		NA
Toxicity Equivalency		NA	0.042			NA	0.042			NA

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	RCC-SW-3001-01F		RCC-SW-3002-01		RCC-SW-DU-111099A		RCC-SW-3002-01-MAX		RCC-SW-3002-01F	
Sample Location	RCC-SD-3001		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002		RCC-SD-3002	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/10/99		11/10/99		11/10/99		11/10/99		11/10/99	
QC Identifier	None		Field Dup. RCC-SW-3002-01		Field Dup. RCC-SW-3002-01		Field Dup. RCC-SW-3002-01		None	
TAL Metal Analysis (UG/L)	MALJ24		MALJ18		MALJ20		MALJ18		MALJ10	
Aluminum	14 0	U	546		583		583		25 0	UJ
Antimony	5 0	U	5.0	U	5 0	U	5 0	U	5 0	U
Arsenic	6 0	U	6 0	U	6 0	U	6 0	U	6 0	U
Barium	15 5	U	27 2		26 8		27 2		17 2	U
Beryllium	1 0	U	1 0	U	1 0	U	1 0	U	1 0	U
Cadmium	4 0		1 0	U	1 0	U	1 0	U	1 0	U
Calcium	7500		8770		8340		8770		7210	
Chromium	1 0	U	8 0		8 3		8 3		1 0	U
Cobalt	1 0	U	1 0	U	1 0	U	1 0	U	1 0	U
Copper	3 1		25 8		23 5		25 8		5 5	
Iron	193		1410		1590		1590		173	
Lead	2 0	U	19 6		21 4		21 4		2 0	U
Magnesium	1220		1470		1410		1470		1220	
Manganese	45 7		142		146		146		112	
Mercury	0 20	U	0 20	U	0 20	U	0 20	U	0 20	U
Nickel	23 2		6 0		6 3		6 3		3 6	J
Potassium	1750		1930		1830		1930		1740	
Selenium	5 0	U	5 0	U	5 0	U	5 0	U	5 0	U
Silver	1 0	U	1 0	U	1 3	UJ	1 0	U	1 0	U
Sodium	21200		21200		20000		21200		20600	
Thallium	7 0	U	7 0	U	7 0	U	7 0	U	7 0	U
Vanadium	2 0	U	4 0		4 2		4 2		2 0	U
Zinc	28 0		76 0		63 6		76 0		34 3	

Summary of Surface Water Analytical Results
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Sample Number	RCC-SW-3003-01		RCC-SW-3003-01F		WRC-SW-2009-01		WRC-SW-2009-01F		WRC-SW-2010-01		WRC-SW-2010-01F	
Sample Location	RCC-SD-3003		RCC-SD-3003		WRC-SD-2009		WRC-SD-2009		WRC-SD-2010		WRC-SD-2010	
Interval	0 0-0 0		0 0-0 0		0 0-0.0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/10/99		11/10/99		11/1/99		11/1/99		11/2/99		11/2/99	
QC Identifier	None		None		None		None		None		None	
Semivolatile Organic Analysis (UG/L)	AQB74				AQB44				AQB48			
1,1'-Biphenyl	10	U		NA	10	U		NA	10	U		NA
2,2'-oxybis(1-Chloropropane)	10	U		NA	10	U		NA	10	UJ		NA
2,4,5-Trichlorophenol	25	U		NA	25	U		NA	25	U		NA
2,4,6-Trichlorophenol	10	U		NA	10	U		NA	10	U		NA
2,4-Dichlorophenol	10	U		NA	10	U		NA	10	U		NA
2,4-Dimethylphenol	10	U		NA	10	U		NA	10	U		NA
2,4-Dinitrophenol	25	UJ		NA	25	UJ		NA	25	U		NA
2,4-Dinitrotoluene	10	U		NA	10	U		NA	10	U		NA
2,6-Dinitrotoluene	10	U		NA	10	U		NA	10	U		NA
2-Chloronaphthalene	10	U		NA	10	U		NA	10	U		NA
2-Chlorophenol	10	U		NA	10	U		NA	10	U		NA
2-Methylnaphthalene	10	U		NA	10	U		NA	10	U		NA
2-Methylphenol	10	U		NA	10	U		NA	10	U		NA
2-Nitroaniline	25	U		NA	25	U		NA	25	U		NA
2-Nitrophenol	10	U		NA	10	U		NA	10	U		NA
3,3'-Dichlorobenzidine	10	U		NA	10	U		NA	10	U		NA
3-Nitroaniline	25	U		NA	25	U		NA	25	U		NA
4,6-Dinitro-2-methylphenol	25	U		NA	25	UJ		NA	25	U		NA
4-Bromophenyl-phenylether	10	U		NA	10	U		NA	10	U		NA
4-Chloro-3-methylphenol	10	U		NA	10	U		NA	10	U		NA
4-Chloroaniline	10	U		NA	10	U		NA	10	U		NA
4-Chlorophenyl-phenylether	10	U		NA	10	U		NA	10	U		NA
4-Methylphenol	10	U		NA	10	U		NA	10	U		NA
4-Nitroaniline	25	U		NA	25	U		NA	25	UJ		NA
4-Nitrophenol	25	U		NA	25	U		NA	25	U		NA
Acenaphthene	10	U		NA	10	U		NA	10	U		NA
Acenaphthylene	10	U		NA	10	U		NA	10	U		NA
Acetophenone	10	U		NA	10	U		NA	10	U		NA
Anthracene	10	U		NA	10	U		NA	10	U		NA
Atrazine	10	U		NA	10	U		NA	10	UJ		NA
Benzaldehyde	10	U		NA	10	UJ		NA	10	UJ		NA
Benzo(a)anthracene	10	U		NA	10	U		NA	10	U		NA
Benzo(a)pyrene	10	U		NA	10	U		NA	10	U		NA

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	RCC-SW-3003-01			RCC-SW-3003-01F			WRC-SW-2009-01			WRC-SW-2009-01F			WRC-SW-2010-01			WRC-SW-2010-01F		
Sample Location	RCC-SD-3003			RCC-SD-3003			WRC-SD-2009			WRC-SD-2009			WRC-SD-2010			WRC-SD-2010		
Interval	0.0-0.0			0.0-0.0			0.0-0.0			0.0-0.0			0.0-0.0			0.0-0.0		
Date Sampled	11/10/99			11/10/99			11/1/99			11/1/99			11/2/99			11/2/99		
QC Identifier	None			None			None			None			None			None		
Benzo(b)fluoranthene	10	U			NA		10	U			NA		10	U			NA	
Benzo(g,h,i)perylene	10	U			NA		10	U			NA		10	U			NA	
Benzo(k)fluoranthene	10	U			NA		10	U			NA		10	U			NA	
Bis(2-Chloroethoxy)methane	10	U			NA		10	U			NA		10	U			NA	
Bis(2-Chloroethyl)ether	10	U			NA		10	U			NA		10	UJ			NA	
bis(2-Ethylhexyl)phthalate	10	U			NA		10	U			NA		10	U			NA	
Butylbenzylphthalate	10	U			NA		10	U			NA		10	U			NA	
Caprolactam	10	U			NA		10	U			NA		10	U			NA	
Carbazole	10	U			NA		10	U			NA		10	U			NA	
Chrysene	10	U			NA		10	U			NA		10	U			NA	
Di-n-Butylphthalate	10	U			NA		10	U			NA		10	U			NA	
Di-n-octylphthalate	10	U			NA		10	U			NA		10	U			NA	
Dibenzo(a,h)anthracene	10	U			NA		10	U			NA		10	U			NA	
Dibenzofuran	10	U			NA		10	U			NA		10	U			NA	
Diethylphthalate	10	U			NA		10	U			NA		10	U			NA	
Dimethylphthalate	10	U			NA		10	U			NA		10	U			NA	
Fluoranthene	10	U			NA		10	U			NA		10	U			NA	
Fluorene	10	U			NA		10	U			NA		10	U			NA	
Hexachlorobenzene	10	U			NA		10	U			NA		10	U			NA	
Hexachlorobutadiene	10	U			NA		10	U			NA		10	U			NA	
Hexachlorocyclopentadiene	10	U			NA		10	U			NA		10	U			NA	
Hexachloroethane	10	U			NA		10	U			NA		10	U			NA	
Indeno(1,2,3-cd)pyrene	10	U			NA		10	U			NA		10	U			NA	
Isophorone	10	U			NA		10	U			NA		10	U			NA	
N-Nitroso-di-n-propylamine	10	U			NA		10	U			NA		10	U			NA	
N-Nitroso-diphenylamine	10	U			NA		10	U			NA		10	U			NA	
Naphthalene	10	U			NA		10	U			NA		10	U			NA	
Nitrobenzene	10	U			NA		10	U			NA		10	U			NA	
Pentachlorophenol	25	U			NA		25	U			NA		25	UJ			NA	
Phenanthrene	10	U			NA		10	U			NA		10	U			NA	
Phenol	10	U			NA		10	U			NA		10	U			NA	
Pyrene	10	U			NA		10	U			NA		10	U			NA	
Total PAH	10	U			NA		10	U			NA		10	U			NA	

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Sample Number	RCC-SW-3003-01			RCC-SW-3003-01F			WRC-SW-2009-01			WRC-SW-2009-01F			WRC-SW-2010-01			WRC-SW-2010-01F		
Sample Location	RCC-SD-3003			RCC-SD-3003			WRC-SD-2009			WRC-SD-2009			WRC-SD-2010			WRC-SD-2010		
Interval	0.0-0.0			0.0-0.0			0.0-0.0			0.0-0.0			0.0-0.0			0.0-0.0		
Date Sampled	11/10/99			11/10/99			11/1/99			11/1/99			11/2/99			11/2/99		
QC Identifier	None			None			None			None			None			None		
Pesticide/PCB Analysis (UG/L)	AQB74						AQB44						AQB48					
4,4'-DDD	0.10	U				NA	0.10	U				NA	0.10	U				NA
4,4'-DDE	0.10	U				NA	0.10	U				NA	0.10	U				NA
4,4'-DDT	0.10	U				NA	0.10	U				NA	0.10	U				NA
Aldrin	0.05	U				NA	0.05	U				NA	0.05	U				NA
alpha-BHC	0.05	U				NA	0.05	U				NA	0.05	U				NA
alpha-Chlordane	0.05	U				NA	0.05	U				NA	0.05	U				NA
Aroclor, Total	2.0	U				NA	2.0	U				NA	2.0	U				NA
Aroclor-1016	1.0	U				NA	1.0	U				NA	1.0	U				NA
Aroclor-1221	2.0	U				NA	2.0	U				NA	2.0	U				NA
Aroclor-1232		NA				NA	1.0	U				NA	1.0	U				NA
Aroclor-1242	1.0	U				NA	1.0	U				NA	1.0	U				NA
Aroclor-1248	1.0	U				NA	1.0	U				NA	1.0	U				NA
Aroclor-1254	1.0	U				NA	1.0	U				NA	1.0	U				NA
Aroclor-1260	1.0	U				NA	1.0	U				NA	1.0	U				NA
beta-BHC	0.05	U				NA	0.05	U				NA	0.05	U				NA
delta-BHC	0.05	U				NA	0.0017	J				NA	0.05	U				NA
Dieldrin	0.10	U				NA	0.10	U				NA	0.10	U				NA
Endosulfan I	0.05	U				NA	0.05	U				NA	0.05	U				NA
Endosulfan II	0.10	U				NA	0.10	U				NA	0.10	U				NA
Endosulfan Sulfate	0.10	U				NA	0.10	U				NA	0.10	U				NA
Endrin	0.10	U				NA	0.10	U				NA	0.10	U				NA
Endrin Aldehyde		NA				NA	0.0028	J				NA	0.10	U				NA
Endrin Ketone	0.10	U				NA	0.10	U				NA	0.10	U				NA
gamma-BHC	0.05	U				NA	0.05	U				NA	0.05	U				NA
gamma-Chlordane	0.05	U				NA	0.05	U				NA	0.05	U				NA
Heptachlor	0.05	U				NA	0.05	U				NA	0.05	U				NA
Heptachlor Epoxide	0.05	U				NA	0.05	U				NA	0.05	U				NA
Methoxychlor	0.50	U				NA	0.50	U				NA	0.50	U				NA
Toxaphene	5.0	U				NA	5.0	U				NA	5.0	U				NA

Summary of Surface Water Analytical Results
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Sample Number	RCC SW-3003-01			RCC SW-3003-01F			WRC-SW-2009-01			WRC-SW-2009-01F			WRC-SW-2010-01			WRC-SW-2010-01F		
Sample Location	RCC-SD-3003			RCC SD-3003			WRC-SD-2009			WRC-SD-2009			WRC-SD-2010			WRC-SD-2010		
Interval	0 0-0 0			0 0-0 0			0 0-0 0			0 0-0 0			0 0-0 0			0 0-0 0		
Date Sampled	11/10/99			11/10/99			11/1/99			11/1/99			11/2/99			11/2/99		
QC Identifier	None			None			None			None			None			None		
Dioxin Analysis (PG/L)	D01041						D00955						D00983					
1,2,3,4,6,7,8-HpCDD	7 2	U			NA		6 8	UJ			NA		31.8	J			NA	
1,2,3,4,6,7,8-HpCDF	4 4	U			NA		4 6	UJ			NA		11 4	J			NA	
1,2,3,4,7,8,9-HpCDF	5 6	U			NA		6.0	UJ			NA		7 8	U			NA	
1,2,3,4,7,8-HxCDD	4 8	U			NA		4 6	UJ			NA		4 7	U			NA	
1,2,3,4,7,8-HxCDF	3 3	U			NA		3 9	UJ			NA		3 6	U			NA	
1,2,3,6,7,8-HxCDD	4 5	U			NA		4 3	UJ			NA		4 7	U			NA	
1,2,3,6,7,8-HxCDF	3 1	U			NA		3 7	UJ			NA		3 6	U			NA	
1,2,3,7,8,9-HxCDD	4 6	U			NA		4 5	UJ			NA		5.0	U			NA	
1,2,3,7,8,9-HxCDF	3 7	U			NA		4 4	UJ			NA		4 5	U			NA	
1,2,3,7,8-PeCDD	4 1	U			NA		4 2	UJ			NA		3 8	U			NA	
1,2,3,7,8-PeCDF	2 9	U			NA		4 4	UJ			NA		3 5	U			NA	
1,2,4,5,7,8-hexachloro(9H)xanthene	0.00	U			NA		0.00	U			NA		0.00	U			NA	
2,3,4,6,7,8-HxCDF	3 3	U			NA		3 9	UJ			NA		3 8	U			NA	
2,3,4,7,8-PeCDF	3 0	U			NA		4 6	UJ			NA		3 8	U			NA	
2,3,7,8-TCDD	4 0	U			NA		7 2	UJ			NA		10 3	J			NA	
2,3,7,8-TCDF	3 5	U			NA		8 6	UJ			NA		4 6	U			NA	
OCDD	11 9	U			NA		9 7	UJ			NA		212				NA	
OCDF	10 1	U			NA		8 3	UJ			NA		28 6	J			NA	
Total HpCDD	7 2	UJ			NA		6 8	UJ			NA		53 0	J			NA	
Total HpCDF	4 9	UJ			NA		5 2	UJ			NA		28 2	J			NA	
Total HxCDD	4 6	UJ			NA		4 5	UJ			NA		4 8	UJ			NA	
Total HxCDF	3 3	UJ			NA		4 0	UJ			NA		4 2	J			NA	
Total PeCDD	4 1	UJ			NA		4 2	UJ			NA		3 8	UJ			NA	
Total PeCDF	2 9	UJ			NA		4 5	UJ			NA		3 7	UJ			NA	
Total TCDD	4 0	UJ			NA		7 2	UJ			NA		10 3	J			NA	
Total TCDF	3 5	UJ			NA		8 6	UJ			NA		4 6	UJ			NA	
Toxicity Equivalency	0.036				NA		8 7				NA		15 2				NA	

Summary of Surface Water Analytical Results
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Sample Number	RCC-SW-3003-01		RCC-SW-3003-01F		WRC-SW-2009-01		WRC-SW-2009-01F		WRC-SW-2010-01		WRC-SW-2010-01F	
Sample Location	RCC-SD-3003		RCC-SD-3003		WRC-SD-2009		WRC-SD-2009		WRC-SD-2010		WRC-SD-2010	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	11/10/99		11/10/99		11/1/99		11/1/99		11/2/99		11/2/99	
QC Identifier	None		None		None		None		None		None	
TAL Metal Analysis (UG/L)	MALJ21		MALJ22		MAMF82		MAMF83		MAMF90		MAMI01	
Aluminum	21.4	UJ	14.0	U	44.2	J	46.3	J	182		49.0	J
Antimony	5.0	U	5.0	U	2.1	UJ	2.1	UJ	2.1	UJ	2.1	UJ
Arsenic	6.0	U	6.0	U	2.2	U	5.9		2.2	U	2.2	U
Barium	35.7		34.0	U	18.0		233		20.9		198	
Beryllium	1.0	U	1.0	U	0.10	U	0.10	U	0.10	U	0.10	U
Cadmium	1.0	U	1.0	U	0.30	U	0.30	U	0.30	U	0.30	U
Calcium	38100		38300		8140		8480		8150		8850	
Chromium	1.0	U	1.0	U	0.60	U	0.60	U	1.6		0.70	U
Cobalt	1.0	U	1.0	U	0.60	U	0.60	U	0.60	U	0.60	U
Copper	5.5		1.0	U	1.8		3.3		3.2		1.7	
Iron	828		267		229		232		571		201	
Lead	2.0	U	2.0	U	1.1	U	1.9	UJ	6.7	J	1.1	U
Magnesium	6780		6820		1340		1410		1340		1460	
Manganese	531		451		49.4		34.8		117		55.0	
Mercury	0.20	U	0.20	U	0.10	U	0.10	U	0.10	U	0.10	U
Nickel	2.0	U	2.0	U	1.8	J	1.3	U	1.6	J	1.3	U
Potassium	5210		5270		2470		2520		2230		2380	
Selenium	5.0	U	5.0	U	2.8	UJ	1.8	U	1.8	U	2.0	UJ
Silver	1.3	UJ	1.0	U	0.40	U	0.40	U	0.40	U	0.40	U
Sodium	16800		17000	U	22600		28000		22000		28400	
Thallium	7.0	U	7.0	U	4.1	UJ	2.1	U	2.8	UJ	2.1	U
Vanadium	2.0	U	2.0	U	0.50	U	0.50	U	0.80	J	0.50	U
Zinc	16.1		16.7		12.9	U	86.9		15.6	J	69.6	

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Sample Number	WRC-SW-2011-01		WRC-SW-DU-110299A		WRC-SW-2011-01-MAX		01F		WRC-SW-2012-01	
Sample Location	WRC-SD-2011		WRC-SD-2011		WRC-SD-2011		WRC-SD-2011		WRC-SD-2012	
Interval	0 0-0.0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/2/99		11/2/99		11/2/99		11/2/99		11/2/00	
QC Identifier	01		01		01		None		None	
Semivolatile Organic Analysis (UG/L)	AQB49				AQB49				AQB50	
1,1'-Biphenyl	10	U	NA		10	U	NA		10	U
2,2'-oxybis(1-Chloropropane)	10	U	NA		10	U	NA		10	U
2,4,5-Trichlorophenol	25	U	NA		25	U	NA		25	U
2,4,6-Trichlorophenol	10	U	NA		10	U	NA		10	U
2,4-Dichlorophenol	10	U	NA		10	U	NA		10	U
2,4-Dimethylphenol	10	U	NA		10	U	NA		10	U
2,4-Dinitrophenol	25	UJ	NA		25	U	NA		25	UJ
2,4-Dinitrotoluene	10	U	NA		10	U	NA		10	U
2,6-Dinitrotoluene	10	U	NA		10	U	NA		10	U
2-Chloronaphthalene	10	U	NA		10	U	NA		10	U
2-Chlorophenol	10	U	NA		10	U	NA		10	U
2-Methylnaphthalene	10	U	NA		10	U	NA		10	U
2-Methylphenol	10	U	NA		10	U	NA		10	U
2-Nitroaniline	25	U	NA		25	U	NA		25	U
2-Nitrophenol	10	U	NA		10	U	NA		10	U
3,3'-Dichlorobenzidine	10	U	NA		10	U	NA		10	U
3-Nitroaniline	25	U	NA		25	U	NA		25	U
4,6-Dinitro-2-methylphenol	25	UJ	NA		25	U	NA		25	UJ
4-Bromophenyl-phenylether	10	U	NA		10	U	NA		10	U
4-Chloro-3-methylphenol	10	U	NA		10	U	NA		10	U
4-Chloroaniline	10	U	NA		10	U	NA		10	U
4-Chlorophenyl-phenylether	10	U	NA		10	U	NA		10	U
4-Methylphenol	10	U	NA		10	U	NA		10	U
4-Nitroaniline	25	U	NA		25	U	NA		25	U
4-Nitrophenol	25	U	NA		25	U	NA		25	U
Acenaphthene	10	U	NA		10	U	NA		10	U
Acenaphthylene	10	U	NA		10	U	NA		10	U
Acetophenone	10	U	NA		10	U	NA		10	U
Anthracene	10	U	NA		10	U	NA		10	U
Atrazine	10	U	NA		10	U	NA		10	U
Benzaldehyde	10	UJ	NA		10	U	NA		10	U
Benzo(a)anthracene	10	U	NA		10	U	NA		10	U
Benzo(a)pyrene	10	U	NA		10	U	NA		10	U

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	WRC SW-2011-01		WRC SW-DU-110299A		WRC-SW-2011-01-MAX		01F		WRC-SW-2012-01	
Sample Location	WRC-SD-2011		WRC-SD-2011		WRC-SD-2011		WRC-SD-2011		WRC-SD-2012	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/2/99		11/2/99		11/2/99		11/2/99		11/2/99	
QC Identifier	01		01		01		None		None	
Benzo(b)fluoranthene	10	U			NA	10	U		NA	10 U
Benzo(g,h,i)perylene	10	U			NA	10	U		NA	10 U
Benzo(k)fluoranthene	10	U			NA	10	U		NA	10 U
Bis(2-Chloroethoxy)methane	10	U			NA	10	U		NA	10 U
Bis(2-Chloroethyl)ether	10	U			NA	10	U		NA	10 U
bis(2-Ethylhexyl)phthalate	10	U			NA	10	U		NA	10 U
Butylbenzylphthalate	10	U			NA	10	U		NA	10 U
Caprolactam	10	U			NA	10	U		NA	10 U
Carbazole	10	U			NA	10	U		NA	10 U
Chrysene	10	U			NA	10	U		NA	10 U
Di-n-Butylphthalate	10	U			NA	10	U		NA	10 U
Di-n-octylphthalate	10	U			NA	10	U		NA	10 U
Dibenzo(a,h)anthracene	10	U			NA	10	U		NA	10 U
Dibenzofuran	10	U			NA	10	U		NA	10 U
Diethylphthalate	10	U			NA	10	U		NA	10 U
Dimethylphthalate	10	U			NA	10	U		NA	10 U
Fluoranthene	10	U			NA	10	U		NA	10 U
Fluorene	10	U			NA	10	U		NA	10 U
Hexachlorobenzene	10	U			NA	10	U		NA	10 U
Hexachlorobutadiene	10	U			NA	10	U		NA	10 U
Hexachlorocyclopentadiene	10	U			NA	10	U		NA	10 U
Hexachloroethane	10	U			NA	10	U		NA	10 U
Indeno(1,2,3-cd)pyrene	10	U			NA	10	U		NA	10 U
Isophorone	10	U			NA	10	U		NA	10 U
N-Nitroso-di-n-propylamine	10	U			NA	10	U		NA	10 U
N-Nitroso-diphenylamine	10	U			NA	10	U		NA	10 U
Naphthalene	10	U			NA	10	U		NA	10 U
Nitrobenzene	10	U			NA	10	U		NA	10 U
Pentachlorophenol	25	U			NA	25	U		NA	25 U
Phenanthrene	10	U			NA	10	U		NA	10 U
Phenol	10	U			NA	10	U		NA	10 U
Pyrene	10	U			NA	10	U		NA	10 U
Total PAH	10	U			NA	10	U		NA	10 U

Summary of Surface Water Analytical Results
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Sample Number	WRC SW-2011-01		WRC SW DU-110299A		WRC-SW-2011-01-MAX		01F		WRC SW-2012 01	
Sample Location	WRC-SD-2011		WRC-SD-2011		WRC-SD-2011		WRC-SD-2011		WRC-SD-2012	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/2/99		11/2/99		11/2/99		11/2/99		11/2/99	
QC Identifier	01		01		01		None		None	
Pesticide/PCB Analysis (UG/L)	AQB49				AQB49				AQB50	
4,4'-DDD	0.10	U			NA	0 10	U	NA	0 10	U
4,4'-DDE	0 10	U			NA	0 10	U	NA	0 10	U
4,4'-DDT	0 10	U			NA	0 10	U	NA	0 10	U
Aldrin	0 05	U			NA	0 05	U	NA	0 05	U
alpha-BHC	0 05	U			NA	0 05	U	NA	0 05	U
alpha-Chlordane	0 05	U			NA	0 05	U	NA	0 05	U
Aroclor, Total	2 0	U			NA	2 0	U	NA	2 0	U
Aroclor-1016	1 0	U			NA	1 0	U	NA	1 0	U
Aroclor-1221	2 0	U			NA	2 0	U	NA	2 0	U
Aroclor-1232	1 0	U			NA	1 0	U	NA	1 0	U
Aroclor-1242	1 0	U			NA	1 0	U	NA	1 0	U
Aroclor-1248	1 0	U			NA	1 0	U	NA	1 0	U
Aroclor-1254	1 0	U			NA	1 0	U	NA	1 0	U
Aroclor-1260	1 0	U			NA	1 0	U	NA	1 0	U
beta-BHC	0.05	U			NA	0 05	U	NA	0 05	U
delta-BHC	0.0022	J			NA	0.0022		NA	0 05	U
Dieldrin	0 10	U			NA	0 10	U	NA	0 10	U
Endosulfan I	0 05	U			NA	0 05	U	NA	0 05	U
Endosulfan II	0 10	U			NA	0 10	U	NA	0 10	U
Endosulfan Sulfate	0 10	U			NA	0 10	U	NA	0 10	U
Endrin	0 10	U			NA	0 10	U	NA	0 10	U
Endrin Aldehyde	0 10	U			NA	0 10	U	NA	0 10	U
Endrin Ketone	0 10	U			NA	0 10	U	NA	0 10	U
gamma-BHC	0 05	U			NA	0 05	U	NA	0 05	U
gamma-Chlordane	0 05	U			NA	0 05	U	NA	0 05	U
Heptachlor	0 05	U			NA	0 05	U	NA	0 05	U
Heptachlor Epoxide	0 05	U			NA	0 05	U	NA	0 05	U
Methoxychlor	0 50	U			NA	0 50	U	NA	0 50	U
Toxaphene	5 0	U			NA	5 0	U	NA	5 0	U

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	WRC SW-2011-01		WRC SW-DU-110299A		WRC-SW-2011-01-MAX		01F		WRC-SW-2012-01	
Sample Location	WRC-SD-2011		WRC-SD-2011		WRC-SD-2011		WRC-SD-2011		WRC-SD-2012	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/2/99		11/2/99		11/2/99		11/2/99		11/2/99	
QC Identifier	01		01		01		None		None	
Dioxin Analysis (PG/L)	D00964				D00964				D00964	
1,2,3,4,6,7,8-HpCDD	7 2	U		NA	7 2	U		NA	6 1	UJ
1,2,3,4,6,7,8-HpCDF	5 6	U		NA	5 6	U		NA	4 3	UJ
1,2,3,4,7,8,9-HpCDF	8 6	U		NA	8 6	U		NA	6 6	UJ
1,2,3,4,7,8-HxCDD	5 3	U		NA	5 3	U		NA	3 8	UJ
1,2,3,4,7,8-HxCDF	4 0	U		NA	4 0	U		NA	3 3	UJ
1,2,3,6,7,8-HxCDD	5 3	U		NA	5 3	U		NA	3 9	UJ
1,2,3,6,7,8-HxCDF	4 0	U		NA	4 0	U		NA	3 3	UJ
1,2,3,7,8,9-HxCDD	5 7	U		NA	5 7	U		NA	4 1	UJ
1,2,3,7,8,9-HxCDF	5 0	U		NA	5 0	U		NA	4 2	UJ
1,2,3,7,8-PeCDD	4 4	U		NA	4 4	U		NA	3 6	UJ
1,2,3,7,8-PeCDF	3 9	U		NA	3 9	U		NA	3 2	UJ
1,2,4,5,7,8-hexachloro(9H)xanthene	0 00	U		NA		NA		NA	0 00	U
2,3,4,6,7,8-HxCDF	4 2	U		NA	4 2	U		NA	3 5	UJ
2,3,4,7,8-PeCDF	4 1	U		NA	4 1	U		NA	3 4	UJ
2,3,7,8-TCDD	5 2	UJ		NA	5 2	U		NA	4 9	UJ
2,3,7,8-TCDF	4 8	U		NA	4 8	U		NA	5 9	UJ
OCDD	12 7	EMPC		NA	12 7			NA	10 6	EMPC
OCDF	9 0	U		NA	9 0	U		NA	8 3	UJ
Total HpCDD	7 2	UJ		NA	7 2	U		NA	6 1	UJ
Total HpCDF	6 8	UJ		NA	6 8	U		NA	5 2	UJ
Total HxCDD	5 4	UJ		NA	5 4	U		NA	3 9	UJ
Total HxCDF	4 2	UJ		NA	4 2	U		NA	3 6	UJ
Total PeCDD	4 4	UJ		NA	4 4	U		NA	3 6	UJ
Total PeCDF	4 0	UJ		NA	4 0	U		NA	3 3	UJ
Total TCDD	5 2	UJ		NA	5 2	U		NA	4 9	UJ
Total TCDF	4 8	UJ		NA	4 8	U		NA	5 9	UJ
Toxicity Equivalency	7 7			NA	7 7			NA	6 7	

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	WRC-SW-2011-01		WRC-SW-DU-110299A		WRC-SW-2011-01-MAX		01F		WRC-SW-2012-01	
Sample Location	WRC-SD-2011		WRC-SD-2011		WRC-SD-2011		WRC-SD-2011		WRC-SD-2012	
Interval	0 0-0.0		0 0-0.0		0 0-0.0		0 0-0.0		0 0-0 0	
Date Sampled	11/2/99		11/2/99		11/2/99		11/2/99		11/2/99	
QC Identifier	01		01		01		None		None	
TAL Metal Analysis (UG/L)	MAMF92		MAMF96		MAMF96		MAMF93		MAMF04	
Aluminum	56 0	J	70 2		70 2		140		67 6	J
Antimony	2 1	UJ	2 1	UJ	2 1	U	2 1	UJ	2 1	UJ
Arsenic	2 2	U	2 2	U	2 2	U	2.2	U	2 2	U
Barium	19 2		18 8		19 2		188		19 3	
Beryllium	0 10	U	0 10	U	0 10	U	0 10	U	0 10	U
Cadmium	0 30	U	0 30	U	0 30	U	0.30	U	0 30	U
Calcium	8700		8380		8700		8790		8330	
Chromium	0 80	U	0 30	U	0 80	U	0 30	U	1 0	U
Cobalt	0 60	U	0 60	U	0 60	U	0 60	U	0 60	U
Copper	2 4		4 1		4 1		11 2		1 9	
Iron	242		242		242		189		335	
Lead	2 0	UJ	2 0	UJ	2 0	U	1 4	UJ	1 7	UJ
Magnesium	1410		1350		1410		1430		1340	
Manganese	49 3		122		122		36 2		92 6	
Mercury	0 10	U	0 10	U	0 10	U	0 10	U	0 10	U
Nickel	1 8	J	1 3	U	1 3	U	1 3	U	1 3	U
Potassium	2330		2220		2330		2330		2260	
Selenium	2 3	UJ	1 8	U	1 8	U	3 9	J	1 8	U
Silver	0 40	U	0 40	U	0 40	U	0 40	U	0 40	U
Sodium	23700		22700		23700		26200		22500	
Thallium	4 3	U	2 5	UJ	4 3	U	2 1	U	2 2	UJ
Vanadium	0 50	U	0 50	U	0 50	U	0 50	U	0 50	U
Zinc	12 9	U	12 9	U	12 9	U	107		12 9	U

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	WRC-SW-2012-01F		WRC-SW-2013-01		WRC-SW-2013-01F		WRC-SW-2014-01		WRC-SW-2014-01F		WRC-SW-2015-01	
Sample Location	WRC-SD-2012		WRC-SD-2013		WRC-SD-2013		WRC-SD-2014		WRC-SD-2014		WRC-SD-2015	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	11/2/99		11/1/99		11/1/99		11/1/99		11/1/99		11/1/99	
QC Identifier	None		None		None		None		None		None	
Semivolatile Organic Analysis (UG/L)			AQB45				AQB46				AQB47	
1,1'-Biphenyl	NA		10	U			10	U			10	U
2,2'-oxybis(1-Chloropropane)	NA		10	U			10	UJ			10	U
2,4,5-Trichlorophenol	NA		25	U			25	U			25	U
2,4,6-Trichlorophenol	NA		10	U			10	U			10	U
2,4-Dichlorophenol	NA		10	U			10	U			10	U
2,4-Dimethylphenol	NA		10	U			10	U			10	U
2,4-Dinitrophenol	NA		25	UJ			25	U			25	UJ
2,4-Dinitrotoluene	NA		10	U			10	U			10	U
2,6-Dinitrotoluene	NA		10	U			10	U			10	U
2-Chloronaphthalene	NA		10	U			10	U			10	U
2-Chlorophenol	NA		10	U			10	U			10	U
2-Methylnaphthalene	NA		10	U			10	U			10	U
2-Methylphenol	NA		10	U			10	U			10	U
2-Nitroaniline	NA		25	U			25	U			25	U
2-Nitrophenol	NA		10	U			10	U			10	U
3,3'-Dichlorobenzidine	NA		10	U			10	U			10	U
3-Nitroaniline	NA		25	U			25	U			25	U
4,6-Dinitro-2-methylphenol	NA		25	UJ			25	U			25	UJ
4-Bromophenyl-phenylether	NA		10	U			10	U			10	U
4-Chloro-3-methylphenol	NA		10	U			10	U			10	U
4-Chloroaniline	NA		10	U			10	U			10	U
4-Chlorophenyl-phenylether	NA		10	U			10	U			10	U
4-Methylphenol	NA		10	U			10	U			10	U
4-Nitroaniline	NA		25	U			25	UJ			25	U
4-Nitrophenol	NA		25	U			25	U			25	U
Acenaphthene	NA		10	U			10	U			10	U
Acenaphthylene	NA		10	U			10	U			10	U
Acetophenone	NA		10	U			10	U			10	U
Anthracene	NA		10	U			10	U			10	U
Atrazine	NA		10	U			10	UJ			10	U
Benzaldehyde	NA		10	UJ			10	UJ			10	U
Benzo(a)anthracene	NA		10	U			10	U			10	U
Benzo(a)pyrene	NA		10	U			10	U			10	U

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Sample Number	WRC-SW-2012-01F		WRC-SW-2013-01		WRC-SW-2013-01F		WRC-SW-2014-01		WRC-SW-2014-01F		WRC-SW-2015-01	
Sample Location	WRC-SD-2012		WRC-SD-2013		WRC-SD-2013		WRC-SD-2014		WRC-SD-2014		WRC-SD-2015	
Interval	0 0-0.0		0 0-0 0		0 0-0.0		0 0-0.0		0 0-0 0		0 0-0.0	
Date Sampled	11/2/99		11/1/99		11/1/99		11/1/99		11/1/99		11/1/99	
QC Identifier	None		None		None		None		None		None	
Benzo(b)fluoranthene		NA	10	U		NA	10	U		NA	10	U
Benzo(g,h,i)perylene		NA	10	U		NA	10	U		NA	10	U
Benzo(k)fluoranthene		NA	10	U		NA	10	U		NA	10	U
Bis(2-Chloroethoxy)methane		NA	10	U		NA	10	U		NA	10	U
Bis(2-Chloroethyl)ether		NA	10	U		NA	10	UJ		NA	10	U
bis(2-Ethylhexyl)phthalate		NA	10	U		NA	10	U		NA	10	U
Butylbenzylphthalate		NA	10	U		NA	10	U		NA	10	U
Caprolactam		NA	10	U		NA	10	U		NA	10	U
Carbazole		NA	10	U		NA	10	U		NA	10	U
Chrysene		NA	10	U		NA	10	U		NA	10	U
Di-n-Butylphthalate		NA	10	U		NA	10	U		NA	10	U
Di-n-octylphthalate		NA	10	U		NA	10	U		NA	10	U
Dibenzo(a,h)anthracene		NA	10	U		NA	10	U		NA	10	U
Dibenzofuran		NA	10	U		NA	10	U		NA	10	U
Diethylphthalate		NA	10	U		NA	10	U		NA	10	U
Dimethylphthalate		NA	10	U		NA	10	U		NA	10	U
Fluoranthene		NA	10	U		NA	10	U		NA	10	U
Fluorene		NA	10	U		NA	10	U		NA	10	U
Hexachlorobenzene		NA	10	U		NA	10	U		NA	10	U
Hexachlorobutadiene		NA	10	U		NA	10	U		NA	10	U
Hexachlorocyclopentadiene		NA	10	U		NA	10	U		NA	10	U
Hexachloroethane		NA	10	U		NA	10	U		NA	10	U
Indeno(1,2,3-cd)pyrene		NA	10	U		NA	10	U		NA	10	U
Isophorone		NA	10	U		NA	10	U		NA	10	U
N-Nitroso-di-n-propylamine		NA	10	U		NA	10	U		NA	10	U
N-Nitroso-diphenylamine		NA	10	U		NA	10	U		NA	10	U
Naphthalene		NA	10	U		NA	10	U		NA	10	U
Nitrobenzene		NA	10	U		NA	10	U		NA	10	U
Pentachlorophenol		NA	25	U		NA	25	UJ		NA	25	U
Phenanthrene		NA	10	U		NA	10	U		NA	10	U
Phenol		NA	10	U		NA	10	U		NA	10	U
Pyrene		NA	10	U		NA	10	U		NA	10	U
Total PAH		NA	10	U		NA	10	U		NA	10	U

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Sample Number	WRC SW-2012-01F		WRC SW-2013-01		WRC SW-2013-01F		WRC SW-2014-01		WRC SW-2014-01F		WRC SW-2015-01	
Sample Location	WRC-SD-2012		WRC-SD-2013		WRC-SD-2013		WRC-SD-2014		WRC-SD-2014		WRC-SD-2015	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/2/99		11/1/99		11/1/99		11/1/99		11/1/99		11/1/99	
QC Identifier	None		None		None		None		None		None	
Pesticide/PCB Analysis (UG/L)			AQB45				AQB46				AQH47	
4,4'-DDD	NA		0 10	U			0 10	U			0 10	U
4,4'-DDE	NA		0 10	U			0 10	U			0 10	U
4,4'-DDT	NA		0 10	U			0 10	U			0 10	U
Aldrin	NA		0 05	U			0 003	J			0 05	U
alpha-BHC	NA		0 05	U			0 05	U			0 05	U
alpha-Chlordane	NA		0 05	U			0 05	U			0 05	U
Aroclor, Total	NA		2 0	U			2 0	U			2 0	U
Aroclor-1016	NA		1 0	U			1 0	U			1 0	U
Aroclor-1221	NA		2 0	U			2 0	U			2 0	U
Aroclor-1232	NA		1 0	U			1 0	U			1 0	U
Aroclor-1242	NA		1 0	U			1 0	U			1 0	U
Aroclor-1248	NA		1 0	U			1 0	U			1 0	U
Aroclor-1254	NA		1 0	U			1 0	U			1 0	U
Aroclor-1260	NA		1 0	U			1 0	U			1 0	U
beta-BHC	NA		0 05	U			0 05	U			0 05	U
delta-BHC	NA		0 0096	J			0 05	U			0 05	U
Dieldrin	NA		0 10	U			0 10	U			0 10	U
Endosulfan I	NA		0 05	U			0 05	U			0 05	U
Endosulfan II	NA		0 10	U			0 10	U			0 10	U
Endosulfan Sulfate	NA		0 10	U			0 10	U			0 10	U
Endrin	NA		0 10	U			0 10	U			0 10	U
Endrin Aldehyde	NA		0 10	U			0 10	U			0 10	U
Endrin Ketone	NA		0 10	U			0 10	U			0 10	U
gamma-BHC	NA		0 05	U			0 05	U			0 05	U
gamma-Chlordane	NA		0 05	U			0 05	U			0 05	U
Heptachlor	NA		0 05	U			0 05	U			0 05	U
Heptachlor Epoxide	NA		0 05	U			0 05	U			0 05	U
Methoxychlor	NA		0 50	U			0 50	U			0 50	U
Toxaphene	NA		5 0	U			5 0	U			5 0	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SW-2012-01F		WRC-SW-2013-01		WRC-SW-2013-01F		WRC-SW-2014-01		WRC-SW-2014-01F		WRC-SW-2015-01	
Sample Location	WRC-SD-2012		WRC-SD-2013		WRC-SD-2013		WRC-SD-2014		WRC-SD-2014		WRC-SD-2015	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	11/2/99		11/1/99		11/1/99		11/1/99		11/1/99		11/1/99	
QC Identifier	None		None		None		None		None		None	
Dioxin Analysis (PG/L)			D00958				D00957				D00958	
1,2,3,4,6,7,8-HpCDD		NA	8.3	U		NA	5.7	UJ		NA	8.3	UJ
1,2,3,4,6,7,8-HpCDF		NA	14.2	EMPC		NA	5.2	UJ		NA	6.7	UJ
1,2,3,4,7,8,9-HpCDF		NA	10.2	U		NA	8.0	UJ		NA	10.2	UJ
1,2,3,4,7,8-HxCDD		NA	5.9	U		NA	4.0	UJ		NA	5.5	UJ
1,2,3,4,7,8-HxCDF		NA	4.4	U		NA	3.3	UJ		NA	4.7	UJ
1,2,3,6,7,8-HxCDD		NA	5.9	U		NA	4.0	UJ		NA	5.6	UJ
1,2,3,6,7,8-HxCDF		NA	4.4	U		NA	3.3	UJ		NA	4.7	UJ
1,2,3,7,8,9-HxCDD		NA	6.3	U		NA	4.3	UJ		NA	5.9	UJ
1,2,3,7,8,9-HxCDF		NA	5.5	U		NA	4.2	UJ		NA	6.0	UJ
1,2,3,7,8-PeCDD		NA	4.4	U		NA	3.5	UJ		NA	4.7	UJ
1,2,3,7,8-PeCDF		NA	4.2	U		NA	3.1	UJ		NA	4.4	UJ
1,2,4,5,7,8-hexachloro(9H)xanthene		NA	0.00	U		NA	0.00	U		NA	0.00	U
2,3,4,6,7,8-HxCDF		NA	4.6	U		NA	3.5	UJ		NA	5.0	UJ
2,3,4,7,8-PeCDF		NA	4.5	U		NA	3.3	UJ		NA	4.7	UJ
2,3,7,8-TCDD		NA	5.9	U		NA	5.4	UJ		NA	44.4	J
2,3,7,8-TCDF		NA	5.9	U		NA	5.8	UJ		NA	8.3	UJ
OCDD		NA	32.7	J		NA	9.3	EMPC		NA	13.7	EMPC
OCDF		NA	10.0	U		NA	7.3	UJ		NA	9.6	UJ
Total HpCDD		NA	8.3	UJ		NA	5.7	UJ		NA	8.3	UJ
Total HpCDF		NA	14.2	EMPC		NA	6.3	UJ		NA	8.1	UJ
Total HxCDD		NA	6.0	UJ		NA	4.1	UJ		NA	5.7	UJ
Total HxCDF		NA	8.8	J		NA	3.6	UJ		NA	5.1	UJ
Total PeCDD		NA	4.4	UJ		NA	3.5	UJ		NA	4.7	UJ
Total PeCDF		NA	4.3	UJ		NA	3.2	UJ		NA	4.6	UJ
Total TCDD		NA	5.9	UJ		NA	5.4	UJ		NA	44.4	J
Total TCDF		NA	5.9	UJ		NA	5.8	UJ		NA	8.3	UJ
Toxicity Equivalency		NA	8.6			NA	6.9			NA	50.1	

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC SW-2012-01F		WRC SW-2013-01		WRC SW-2013-01F		WRC-SW-2014-01		WRC-SW-2014-01F		WRC-SW-2015-01	
Sample Location	WRC-SD-2012		WRC-SD-2013		WRC-SD-2013		WRC-SD-2014		WRC-SD-2014		WRC-SD-2015	
Interval	0 0-0 0		0 0-0 0		0 0-0.0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/2/99		11/1/99		11/1/99		11/1/99		11/1/99		11/1/99	
QC Identifier	None		None		None		None		None		None	
TAL Metal Analysis (UG/L)	MAMF95		MAMF84		MAMF85		MAMF86		MAMF87		MAMF88	
Aluminum	34 9	U	76 1		34 9	U	37 0	J	45 4	J	35 8	J
Antimony	2 1	UJ	2 1	UJ	2 1	UJ	2 1	UJ	2 1	UJ	2 1	UJ
Arsenic	2 2	U	2 2	U	2 2	U	2 2	U	2 2	U	2 2	U
Barium	134	U	19 0		186		16 0		201		271	
Beryllium	0 10	U	0 10	U	0 10	U	0 10	U	0 10	U	0 10	U
Cadmium	0 30	U	0 30	U	0 30	U	0 30	U	0 30	U	0 30	U
Calcium	8060		8560		7620		7600		8470		9280	
Chromium	0 50	U	0 80	U	1 1	U	1 0	U	0 40	UJ	0 40	UJ
Cobalt	0 60	U	0 60	U	0 60	U	0 60	U	0 60	U	0 60	U
Copper	1 8		1 6		1 0	U	1 6		1 7		3 2	
Iron	157		313		186		236		154		243	
Lead	1 1	U	3 4	J	1 1	U	2 9	UJ	1 5	UJ	1 9	UJ
Magnesium	1310		1390		1240		1240		1370		1550	
Manganese	32 0		74 3		28 0		37 4		26 4		108	
Mercury	0 10	U	0 10	U	0 10	U	0 10	U	0 10	U	0 10	U
Nickel	1 3	U	1 3	U	1 3	U	1 3	U	1 3	U	1 8	J
Potassium	2190		2470		2180		2180		2390		2770	
Selenium	1 8	U	1 8	U	1 8	U	1 8	U	1 8	U	3 0	UJ
Silver	0 40	U	0 40	U	0 40	U	0 60	UJ	0 40	U	0 40	U
Sodium	24000		23500		22800		20800		25900		29700	
Thallium	2 1	U	2 1	U	2 1	U	2 1	U	2 1	U	2 1	U
Vanadium	0 50	U	0 50	U	0 50	U	0 50		0 50	U	0 50	U
Zinc	50 6		12 9	U	54 3		12 9	U	62 0		121	

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	WRC SW-2015-01F		WRL SW-2039 01		WRL-SW-2039-01F		WRL-SW-2040-01		WRL-DU-1025998	
Sample Location	WRC-SD-2015		WRL-SD-2039		WRL-SD-2039		WRL-SD-2040		WRL-SD-2040	
Interval	0 0-0.0		0 0-0 0		0 0-0.0		0 0-0.0		0 0-0.0	
Date Sampled	11/1/99		10/25/99		10/25/99		10/25/99		10/25/99	
QC Identifier	None		None		None		Field Dup. WRL-SW-2040-01		Field Dup. WRL-SW-2040-01	
Semivolatile Organic Analysis (UG/L)			AQB29				AQB26		AQB27	
1,1'-Biphenyl		NA	10	U		NA	10	U	10	U
2,2'-oxybis(1-Chloropropane)		NA	10	UJ		NA	10	UJ	10	UJ
2,4,5-Trichlorophenol		NA	25	U		NA	25	U	25	U
2,4,6-Trichlorophenol		NA	10	U		NA	10	U	10	U
2,4-Dichlorophenol		NA	10	U		NA	10	U	10	U
2,4-Dimethylphenol		NA	10	UJ		NA	10	UJ	10	UJ
2,4-Dinitrophenol		NA	25	UJ		NA	25	UJ	25	UJ
2,4-Dinitrotoluene		NA	10	U		NA	10	U	10	U
2,6-Dinitrotoluene		NA	10	U		NA	10	U	10	U
2-Chloronaphthalene		NA	10	U		NA	10	U	10	U
2-Chlorophenol		NA	10	U		NA	10	U	10	U
2-Methylnaphthalene		NA	10	U		NA	10	U	10	U
2-Methylphenol		NA	10	U		NA	10	U	10	U
2-Nitroaniline		NA	25	U		NA	25	U	25	U
2-Nitrophenol		NA	10	U		NA	10	U	10	U
3,3'-Dichlorobenzidine		NA	10	U		NA	10	U	10	U
3-Nitroaniline		NA	25	U		NA	25	U	25	U
4,6-Dinitro-2-methylphenol		NA	25	U		NA	25	U	25	U
4-Bromophenyl-phenylether		NA	10	U		NA	10	U	10	U
4-Chloro-3-methylphenol		NA	10	U		NA	10	U	10	U
4-Chloroaniline		NA	10	UJ		NA	10	UJ	10	UJ
4-Chlorophenyl-phenylether		NA	10	U		NA	10	U	10	U
4-Methylphenol		NA	10	U		NA	10	U	10	U
4-Nitroaniline		NA	25	U		NA	25	U	25	U
4-Nitrophenol		NA	25	UJ		NA	25	UJ	25	UJ
Acenaphthene		NA	10	U		NA	10	U	10	U
Acenaphthylene		NA	10	U		NA	10	U	10	U
Acetophenone		NA	10	U		NA	10	U	10	U
Anthracene		NA	10	U		NA	10	U	10	U
Atrazine		NA	10	U		NA	10	U	10	U
Benzaldehyde		NA	10	UJ		NA	10	UJ	10	UJ
Benzo(a)anthracene		NA	10	U		NA	10	U	10	U
Benzo(a)pyrene		NA	10	U		NA	10	U	10	U

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	WRC-SW-2015-01F		WRL-SW-2039-01		WRL-SW-2039-01F		WRL-SW-2040-01		WRL-DU-102599B	
Sample Location	WRC-SD-2015		WRL-SD-2039		WRL-SD-2039		WRL-SD-2040		WRL-SD-2040	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	11/1/99		10/25/99		10/25/99		10/25/99		10/25/99	
QC Identifier	None		None		None		Field Dup. WRL-SW-2040-01		Field Dup. WRL-SW-2040-01	
Benzo(b)fluoranthene		NA	10	U		NA	10	U	10	U
Benzo(g,h,i)perylene		NA	10	U		NA	10	U	10	U
Benzo(k)fluoranthene		NA	10	U		NA	10	U	10	U
Bis(2-Chloroethoxy)methane		NA	10	U		NA	10	U	10	U
Bis(2-Chloroethyl)ether		NA	10	U		NA	10	U	10	U
bis(2-Ethylhexyl)phthalate		NA	10	U		NA	10	U	10	U
Butylbenzylphthalate		NA	10	U		NA	10	U	10	U
Caprolactam		NA	10	U		NA	10	U	10	U
Carbazole		NA	10	U		NA	10	U	10	U
Chrysene		NA	10	U		NA	10	U	10	U
Di-n-Butylphthalate		NA	10	U		NA	10	U	10	U
Di-n-octylphthalate		NA	10	UJ		NA	10	UJ	10	UJ
Dibenzo(a,h)anthracene		NA	10	U		NA	10	U	10	U
Dibenzofuran		NA	10	U		NA	10	U	10	U
Diethylphthalate		NA	10	U		NA	10	U	10	U
Dimethylphthalate		NA	10	U		NA	10	U	10	U
Fluoranthene		NA	10	U		NA	10	U	10	U
Fluorene		NA	10	U		NA	10	U	10	U
Hexachlorobenzene		NA	10	U		NA	10	U	10	U
Hexachlorobutadiene		NA	10	U		NA	10	U	10	U
Hexachlorocyclopentadiene		NA	10	U		NA	10	U	10	U
Hexachloroethane		NA	10	U		NA	10	U	10	U
Indeno(1,2,3-cd)pyrene		NA	10	U		NA	10	U	10	U
Isophorone		NA	10	U		NA	10	U	10	U
N-Nitroso-di-n-propylamine		NA	10	U		NA	10	U	10	U
N-Nitroso-diphenylamine		NA	10	UJ		NA	10	UJ	10	UJ
Naphthalene		NA	10	U		NA	10	U	10	U
Nitrobenzene		NA	10	U		NA	10	U	10	U
Pentachlorophenol		NA	25	U		NA	25	U	25	U
Phenanthrene		NA	10	U		NA	10	U	10	U
Phenol		NA	10	U		NA	10	U	10	U
Pyrene		NA	10	U		NA	10	U	10	U
Total PAH		NA	10	U		NA	10	U	10	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SW-2015-01F		WRL-SW-2039-01		WRL-SW-2039-01F		WRL-SW-2040-01		WRL-DU-1026998	
Sample Location	WRC-SD-2015		WRL-SD-2039		WRL-SD-2039		WRL-SD-2040		WRL-SD-2040	
Interval	0 0-0.0		0 0-0 0		0.0-0.0		0.0-0.0		0.0-0 0	
Date Sampled	11/1/99		10/25/99		10/25/99		10/25/99		10/25/99	
QC Identifier	None		None		None		Field Dup. WRL-SW-2040-01		Field Dup WRL-SW-2040 01	
Pesticide/PCB Analysis (UG/L)			AQB29				AQB26		AQB27	
4,4'-DDD		NA	0 10	U		NA	0 10	U	0 10	U
4,4'-DDE		NA	0 10	U		NA	0 10	U	0 10	U
4,4'-DDT		NA	0 10	U		NA	0 10	U	0 10	U
Aldrin		NA	0.05	U		NA	0 05	U	0 05	U
alpha-BHC		NA	0.05	U		NA	0 05	U	0 05	U
alpha-Chlordane		NA	0.05	U		NA	0.05	U	0.05	U
Aroclor, Total		NA	2.0	U		NA	2.0	U	2.0	U
Aroclor-1016		NA	1.0	U		NA	1.0	U	1.0	U
Aroclor-1221		NA	2.0	U		NA	2.0	U	2.0	U
Aroclor-1232		NA	1.0	U		NA	1.0	U	1.0	U
Aroclor-1242		NA	1.0	U		NA	1.0	U	1.0	U
Aroclor-1248		NA	1.0	U		NA	1.0	U	1 0	U
Aroclor-1254		NA	1.0	U		NA	1.0	U	1 0	U
Aroclor-1260		NA	1.0	U		NA	1.0	U	1.0	U
beta-BHC		NA	0.05	U		NA	0.05	U	0.05	U
delta-BHC		NA	0.05	U		NA	0.05	U	0.05	U
Dieldrin		NA	0.10	U		NA	0.10	U	0.10	U
Endosulfan I		NA	0.05	U		NA	0.05	U	0.05	U
Endosulfan II		NA	0.10	U		NA	0.10	U	0.10	U
Endosulfan Sulfate		NA	0.10	U		NA	0.10	U	0 10	U
Endrin		NA	0.10	U		NA	0 10	U	0 10	U
Endrin Aldehyde		NA	0.10	U		NA	0 10	U	0 10	U
Endrin Ketone		NA	0.10	U		NA	0.10	U	0 10	U
gamma-BHC		NA	0.05	U		NA	0 05	U	0.05	U
gamma-Chlordane		NA	0.05	U		NA	0 05	U	0.05	U
Heptachlor		NA	0.05	U		NA	0.05	U	0.05	U
Heptachlor Epoxide		NA	0 05	U		NA	0 05	U	0 05	U
Methoxychlor		NA	0 50	U		NA	0 50	U	0 50	U
Toxaphene		NA	5 0	U		NA	5 0	U	5 0	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SW-2015-01F		WRL-SW-2039-01		WRL-SW-2039-01F		WRL-SW-2040-01		WRL-DU-102599B	
Sample Location	WRC-SD-2015		WRL-SD-2039		WRL-SD-2039		WRL-SD-2040		WRL-SD-2040	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	11/1/99		10/25/99		10/25/99		10/25/99		10/25/99	
QC Identifier	None		None		None		Field Dup. WRL-SW-2040-01		Field Dup. WRL-SW-2040-01	
Dioxin Analysis (PG/L)			D00893				D00890		D00891	
1,2,3,4,6,7,8-HpCDD		NA	10.9	UJ		NA	8.4	UJ	5.0	J
1,2,3,4,6,7,8-HpCDF		NA	7.5	UJ		NA	5.4	UJ	5.6	UJ
1,2,3,4,7,8,9-HpCDF		NA	10.0	UJ		NA	7.2	UJ	7.5	UJ
1,2,3,4,7,8-HxCDD		NA	8.2	UJ		NA	6.1	UJ	5.9	UJ
1,2,3,4,7,8-HxCDF		NA	5.8	UJ		NA	4.4	UJ	4.4	UJ
1,2,3,6,7,8-HxCDD		NA	7.7	UJ		NA	5.7	UJ	5.5	UJ
1,2,3,6,7,8-HxCDF		NA	5.5	UJ		NA	4.2	UJ	4.2	UJ
1,2,3,7,8,9-HxCDD		NA	7.7	UJ		NA	5.7	UJ	5.5	UJ
1,2,3,7,8,9-HxCDF		NA	6.7	UJ		NA	5.0	UJ	5.1	UJ
1,2,3,7,8-PeCDD		NA	10.9	UJ		NA	8.7	UJ	8.3	UJ
1,2,3,7,8-PeCDF		NA	6.3	UJ		NA	5.4	UJ	5.4	UJ
1,2,4,5,7,8-hexachloro(9H)xanthene		NA	0.00	U		NA	0.00	U	0.00	U
2,3,4,6,7,8-HxCDF		NA	5.9	UJ		NA	4.5	UJ	4.5	UJ
2,3,4,7,8-PeCDF		NA	6.4	UJ		NA	5.4	UJ	5.4	UJ
2,3,7,8-TCDD		NA	9.2	UJ		NA	2.9	EMPC	5.0	EMPC
2,3,7,8-TCDF		NA	8.7	UJ		NA	7.9	UJ	7.5	UJ
OCDD		NA	24.8	UJ		NA	15.6	UJ	30.0	UJ
OCDF		NA	15.2	UJ		NA	11.3	UJ	10.8	J
Total HpCDD		NA	10.9	UJ		NA	8.4	UJ	10.2	J
Total HpCDF		NA	8.6	UJ		NA	6.2	UJ	4.5	EMPC
Total HxCDD		NA	7.9	UJ		NA	5.8	UJ	5.6	UJ
Total HxCDF		NA	6.0	UJ		NA	4.5	UJ	4.5	UJ
Total PeCDD		NA	10.9	UJ		NA	8.7	UJ	8.3	UJ
Total PeCDF		NA	6.4	UJ		NA	5.4	UJ	5.4	UJ
Total TCDD		NA	9.2	UJ		NA	2.9	EMPC	5.0	EMPC
Total TCDF		NA	8.7	UJ		NA	7.9	UJ	7.5	UJ
Toxicity Equivalency		NA	14.4			NA	10.8		12.6	

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRC-SW-2016-01F		WRL-SW-2039-01		WRL-SW-2039-01F		WRL-SW-2040-01		WRL-DU-102699B	
Sample Location	WRC-SD-2016		WRL-SD-2039		WRL-SD-2039		WRL-SD-2040		WRL-SD-2040	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	11/1/99		10/25/99		10/25/99		10/25/99		10/25/99	
QC Identifier	None		None		None		Field Dup. WRL-SW-2040-01		Field Dup. WRL-SW-2040-01	
TAL Metal Analysis (UG/L)	MAMF89		MAMF58		MAMF59		MAMF53		MAMF54	
Aluminum	38 8	J	30 4	U	41.5	U	49 7	U	43 9	U
Antimony	2 1	UJ	5 0	U	5 0	U	5 0	U	5 0	U
Arsenic	2.2	U	8.9	J	6.0	U	6 2	J	6 0	U
Barium	221		16 1		16.0	U	17.0		16 9	
Beryllium	0.10	U	1 3	U	2.3	U	1 9	U	1 8	U
Cadmium	0.30	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	8250		9070		8280		8580		8720	
Chromium	1 6		1.0	J	1 0	U	1 0	U	1.0	U
Cobalt	1 0	J	1 0	U	1.0	U	1 0	U	1 0	U
Copper	2.1		3.4		4.8		5 8		5 3	
Iron	155		318		128		219		212	
Lead	1.1	U	2.0	U	2.0	U	2.0	U	2.0	U
Magnesium	1360		1370		1390		1420		1410	
Manganese	29.0		73.6		48.2		59.0		57.4	
Mercury	0.10	U	0 20	U	0.20	U	0.20	U	0.20	U
Nickel	1.3	J	3.4	J	3.6	J	3.4	J	3.6	J
Potassium	2300		1710	J	1960	J	1920	J	1890	J
Selenium	1.8	U	5.0	U	5.0	U	5.0	U	5.0	U
Silver	0.70	UJ	1.6	J	1.1	J	1.2	J	1.6	J
Sodium	25600		21500		23600		23500		23200	
Thallium	3.0	UJ	7.0	U	7.0	UJ	7 0	U	7 0	U
Vanadium	0.80	J	4.8	U	2 0	U	2 0	U	2 0	U
Zinc	61.5		28 1		22.9	J	23 7		25 5	

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2040-01-MAX		WRL-SW-2040-01F		WRL-DU-10259[illegible]F		WRL-SW-2040-01F-MAX		WRL-SW-2041-01	
Sample Location	WRL-SD-2040		WRL-SD-2040		WRL-SD-2040		WRL-SD-2040		WRL-SD-2041	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/25/99		10/25/99		10/25/99		10/25/99		10/25/99	
QC Identifier	Field Dup. WRL-SW-2040-01		Field Dup. WRL-SW-2040-01F		Field Dup. WRL-SW-2040-01F		Field Dup. WRL-SW-2040-01F		None	
Semivolatile Organic Analysis (UG/L)	AQB26								AQB[illegible]	
1,1'-Biphenyl	10	U			NA		NA		NA 10	U
2,2'-oxybis(1-Chloropropane)	10	U			NA		NA		NA 10	UJ
2,4,5-Trichlorophenol	25	U			NA		NA		NA 25	U
2,4,6-Trichlorophenol	10	U			NA		NA		NA 10	U
2,4-Dichlorophenol	10	U			NA		NA		NA 10	U
2,4-Dimethylphenol	10	U			NA		NA		NA 10	UJ
2,4-Dinitrophenol	25	U			NA		NA		NA 25	UJ
2,4-Dinitrotoluene	10	U			NA		NA		NA 10	U
2,6-Dinitrotoluene	10	U			NA		NA		NA 10	U
2-Chloronaphthalene	10	U			NA		NA		NA 10	U
2-Chlorophenol	10	U			NA		NA		NA 10	U
2-Methylnaphthalene	10	U			NA		NA		NA 10	U
2-Methylphenol	10	U			NA		NA		NA 10	U
2-Nitroaniline	25	U			NA		NA		NA 25	U
2-Nitrophenol	10	U			NA		NA		NA 10	U
3,3'-Dichlorobenzidine	10	U			NA		NA		NA 10	U
3-Nitroaniline	25	U			NA		NA		NA 25	U
4,6-Dinitro-2-methylphenol	25	U			NA		NA		NA 25	U
4-Bromophenyl-phenylether	10	U			NA		NA		NA 10	U
4-Chloro-3-methylphenol	10	U			NA		NA		NA 10	U
4-Chloroaniline	10	U			NA		NA		NA 10	UJ
4-Chlorophenyl-phenylether	10	U			NA		NA		NA 10	U
4-Methylphenol	10	U			NA		NA		NA 10	U
4-Nitroaniline	25	U			NA		NA		NA 25	U
4-Nitrophenol	25	U			NA		NA		NA 25	UJ
Acenaphthene	10	U			NA		NA		NA 10	U
Acenaphthylene	10	U			NA		NA		NA 10	U
Acetophenone	10	U			NA		NA		NA 10	U
Anthracene	10	U			NA		NA		NA 10	U
Atrazine	10	U			NA		NA		NA 10	U
Benzaldehyde	10	U			NA		NA		NA 10	U
Benzo(a)anthracene	10	U			NA		NA		NA 10	U
Benzo(a)pyrene	10	U			NA		NA		NA 10	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2040-01-MAX		WRL-SW-2040-01F		WRL-DU-102699SF		WRL-SW-2040-01F-MAX		WRL-SW-2041-01	
Sample Location	WRL-SD-2040		WRL-SD-2040		WRL-SD-2040		WRL-SD-2040		WRL-SD-2041	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	10/25/99		10/25/99		10/25/99		10/25/99		10/25/99	
QC Identifier	Field Dup. WRL-SW-2040-01		Field Dup. WRL-SW-2040-01F		Field Dup. WRL-SW-2040-01F		Field Dup. WRL-SW-2040-01F		None	
Benzo(b)fluoranthene	10	U			NA		NA		10	U
Benzo(g,h,i)perylene	10	U			NA		NA		10	U
Benzo(k)fluoranthene	10	U			NA		NA		10	U
Bis(2-Chloroethoxy)methane	10	U			NA		NA		10	U
Bis(2-Chloroethyl)ether	10	U			NA		NA		10	U
bis(2-Ethylhexyl)phthalate	10	U			NA		NA		10	U
Butylbenzylphthalate	10	U			NA		NA		10	U
Caprolactam	10	U			NA		NA		10	U
Carbazole	10	U			NA		NA		10	U
Chrysene	10	U			NA		NA		10	U
Di-n-Butylphthalate	10	U			NA		NA		10	U
Di-n-octylphthalate	10	U			NA		NA		10	UJ
Dibenzo(a,h)anthracene	10	U			NA		NA		10	U
Dibenzofuran	10	U			NA		NA		10	U
Diethylphthalate	10	U			NA		NA		10	U
Dimethylphthalate	10	U			NA		NA		10	U
Fluoranthene	10	U			NA		NA		10	U
Fluorene	10	U			NA		NA		10	U
Hexachlorobenzene	10	U			NA		NA		10	U
Hexachlorobutadiene	10	U			NA		NA		10	U
Hexachlorocyclopentadiene	10	U			NA		NA		10	U
Hexachloroethane	10	U			NA		NA		10	U
Indeno(1,2,3-cd)pyrene	10	U			NA		NA		10	U
Isophorone	10	U			NA		NA		10	U
N-Nitroso-di-n-propylamine	10	U			NA		NA		10	U
N-Nitroso-diphenylamine	10	U			NA		NA		10	UJ
Naphthalene	10	U			NA		NA		10	U
Nitrobenzene	10	U			NA		NA		10	U
Pentachlorophenol	25	U			NA		NA		25	U
Phenanthrene	10	U			NA		NA		10	U
Phenol	10	U			NA		NA		10	U
Pyrene	10	U			NA		NA		10	U
Total PAH	10	U			NA		NA		10	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2040-01-MAX		WRL-SW-2040-01P		WRL-DU-102699SP		WRL-SW-2040-01F-MAX		WRL-SW-2041-01	
Sample Location	WRL-SD-2040		WRL-SD-2040		WRL-SD-2040		WRL-SD-2040		WRL-SD-2041	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/25/99		10/25/99		10/25/99		10/25/99		10/25/99	
QC Identifier	Field Dup. WRL-SW-2040-01		Field Dup. WRL-SW-2040-01F		Field Dup. WRL-SW-2040-01F		Field Dup. WRL-SW-2040-01F		None	
Pesticide/PCB Analysis (UG/L)	AQB26								AQB26	
4,4'-DDD	0.10	U			NA		NA		0.10	U
4,4'-DDE	0.10	U			NA		NA		0.10	U
4,4'-DDT	0.10	U			NA		NA		0.10	U
Aldrin	0.05	U			NA		NA		0.05	U
alpha-BHC	0.05	U			NA		NA		0.05	U
alpha-Chlordane	0.05	U			NA		NA		0.05	U
Aroclor, Total	2.0	U			NA		NA		2.0	U
Aroclor-1016	1.0	U			NA		NA		1.0	U
Aroclor-1221	2.0	U			NA		NA		2.0	U
Aroclor-1232	1.0	U			NA		NA		1.0	U
Aroclor-1242	1.0	U			NA		NA		1.0	U
Aroclor-1248	1.0	U			NA		NA		1.0	U
Aroclor-1254	1.0	U			NA		NA		1.0	U
Aroclor-1260	1.0	U			NA		NA		1.0	U
beta-BHC	0.05	U			NA		NA		0.05	U
delta-BHC	0.05	U			NA		NA		0.05	U
Dieldrin	0.10	U			NA		NA		0.10	U
Endosulfan I	0.05	U			NA		NA		0.05	U
Endosulfan II	0.10	U			NA		NA		0.10	U
Endosulfan Sulfate	0.10	U			NA		NA		0.10	U
Endrin	0.10	U			NA		NA		0.10	U
Endrin Aldehyde	0.10	U			NA		NA		0.10	U
Endrin Ketone	0.10	U			NA		NA		0.10	U
gamma-BHC	0.05	U			NA		NA		0.05	U
gamma-Chlordane	0.05	U			NA		NA		0.05	U
Heptachlor	0.05	U			NA		NA		0.05	U
Heptachlor Epoxide	0.05	U			NA		NA		0.05	U
Methoxychlor	0.50	U			NA		NA		0.50	U
Toxaphene	5.0	U			NA		NA		5.0	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2040-01-MAX		WRL-SW-2040-01F		WRL-DU-102899BF		WRL-SW-2040-01F-MAX		WRL-SW-2041-01	
Sample Location	WRL-SD-2040		WRL-SD-2040		WRL-SD-2040		WRL-SD-2040		WRL-SD-2041	
Interval	0 0-0.0		0 0-0.0		0.0-0.0		0 0-0 0		0 0 0 0	
Date Sampled	10/25/99		10/25/99		10/25/99		10/25/99		10/25/99	
QC Identifier	Field Dup. WRL-SW-2040-01		Field Dup. WRL-SW-2040-01F		Field Dup. WRL-SW-2040-01F		Field Dup. WRL-SW-2040-01F		None	
Dioxin Analysis (PG/L)	D00890								D00892	
1,2,3,4,6,7,8-HpCDD	5.0			NA		NA		NA	24.3	J
1,2,3,4,6,7,8-HpCDF	5.6	U		NA		NA		NA	10.2	J
1,2,3,4,7,8,9-HpCDF	7.5	U		NA		NA		NA	4.2	U
1,2,3,4,7,8-HxCDD	6.1	U		NA		NA		NA	3.5	U
1,2,3,4,7,8-HxCDF	4.4	U		NA		NA		NA	2.4	EMPC
1,2,3,6,7,8-HxCDD	5.7	U		NA		NA		NA	3.3	U
1,2,3,6,7,8-HxCDF	4.2	U		NA		NA		NA	2.4	U
1,2,3,7,8,9-HxCDD	5.7	U		NA		NA		NA	2.8	EMPC
1,2,3,7,8,9-HxCDF	5.1	U		NA		NA		NA	2.9	U
1,2,3,7,8-PeCDD	8.7	U		NA		NA		NA	4.6	UJ
1,2,3,7,8-PeCDF	5.4	U		NA		NA		NA	2.9	U
1,2,4,5,7,8-hexachloro(9H)xanthene		NA		NA		NA		NA	22.1	J
2,3,4,6,7,8-HxCDF	4.5	U		NA		NA		NA	2.6	U
2,3,4,7,8-PeCDF	5.4	U		NA		NA		NA	2.9	U
2,3,7,8-TCDD	5.0			NA		NA		NA	53.0	J
2,3,7,8-TCDF	7.9	U		NA		NA		NA	4.1	UJ
OCDD	30.0	U		NA		NA		NA	155	
OCDF	10.8			NA		NA		NA	22.9	EMPC
Total HpCDD	10.2			NA		NA		NA	44.0	J
Total HpCDF	4.5			NA		NA		NA	21.9	J
Total HxCDD	5.8	U		NA		NA		NA	3.1	J
Total HxCDF	4.5	U		NA		NA		NA	7.8	J
Total PeCDD	8.7	U		NA		NA		NA	4.6	UJ
Total PeCDF	5.4	U		NA		NA		NA	2.9	UJ
Total TCDD	5.0			NA		NA		NA	53.0	J
Total TCDF	7.9	U		NA		NA		NA	4.1	UJ
Toxicity Equivalency	12.6			NA		NA		NA	57.8	

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2040-01-MAX		WRL-SW-2040-01F		WRL-DU-102[illegible]F		WRL-SW-2040-01F-MAX		WRL-SW-2041-01	
Sample Location	WRL-SD-2040		WRL-SD-2040		WRL-SD-2040		WRL-SD-2040		WRL-SD-2041	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/25/99		10/25/99		10/25/99		10/25/99		10/25/99	
QC Identifier	Field Dup. WRL-SW-2040-01		Field Dup. WRL-SW-2040-01F		Field Dup. WRL-SW-2040-01F		Field Dup. WRL-SW-2040-01F		None	
TAL Metal Analysis (UG/L)	MAMF54		MAMF52		MAMF55		MAMI 55		MAMI 51	
Aluminum	49.7	U	57.6	U	14.0	U	57.6	U	55.4	U
Antimony	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Arsenic	6.0	U	8.6	J	8.0	J	8.6		9.2	J
Barium	17.0		286		35.9	U	286		16.5	
Beryllium	1.9	U	1.9	U	1.4	U	1.9	U	1.5	U
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	8720		8190		9410		9410		9050	
Chromium	1.0	U	22.1	J	1.0	U	1.0	U	1.0	U
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Copper	5.8		9.4		5.1		9.4		3.8	
Iron	219		206		154		206		251	
Lead	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Magnesium	1420		1360		1480		1480		1410	
Manganese	59.0		44.2		48.8		48.8		59.2	
Mercury	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	3.6		5.1		3.4	J	5.1		3.3	J
Potassium	1920		1870	J	1930	J	1930		1800	J
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Silver	1.6		1.4	J	1.6	J	1.6		1.4	J
Sodium	23500		25000		27200		27200		22500	
Thallium	7.0	U	7.0	U	7.0	U	7.0	U	7.0	U
Vanadium	2.0	U	2.0	U	3.7	UJ	2.0	U	3.6	UJ
Zinc	25.5		105	J	47.0	J	105		25.5	

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2041-01F		WRL-SW-2042-01		WRL-SW-2042-01F		WRL-SW-2043-01		WRL-SW-2043-01F		WRL-SW-2044-01	
Sample Location	WRL-SD-2041		WRL-SD-2042		WRL-SD-2042		WRL-SD-2043		WRL-SD-2043		WRL-SD-2044	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/25/99		11/2/99		11/2/99		11/8/99		11/8/99		11/0/00	
QC Identifier	None		None		None		None		None		None	
Semivolatile Organic Analysis (UG/L)			AQB53				AQB63				AQB72	
1,1'-Biphenyl		NA	10	U		NA	10	U		NA	10	U
2,2'-oxybis(1-Chloropropane)		NA	10	UJ		NA	10	U		NA	10	U
2,4,5-Trichlorophenol		NA	25	U		NA	25	U		NA	25	U
2,4,6-Trichlorophenol		NA	10	U		NA	10	U		NA	10	U
2,4-Dichlorophenol		NA	10	U		NA	10	U		NA	10	U
2,4-Dimethylphenol		NA	10	U		NA	10	U		NA	10	U
2,4-Dinitrophenol		NA	25	UJ		NA	25	U		NA	25	UJ
2,4-Dinitrotoluene		NA	10	U		NA	10	U		NA	10	U
2,6-Dinitrotoluene		NA	10	U		NA	10	U		NA	10	U
2-Chloronaphthalene		NA	10	U		NA	10	U		NA	10	U
2-Chlorophenol		NA	10	U		NA	10	U		NA	10	U
2-Methylnaphthalene		NA	10	U		NA	10	U		NA	10	U
2-Methylphenol		NA	10	U		NA	10	U		NA	10	U
2-Nitroaniline		NA	25	U		NA	25	U		NA	25	U
2-Nitrophenol		NA	10	U		NA	10	U		NA	10	U
3,3'-Dichlorobenzidine		NA	10	U		NA	10	U		NA	10	UJ
3-Nitroaniline		NA	25	U		NA	25	U		NA	25	U
4,6-Dinitro-2-methylphenol		NA	25	U		NA	25	U		NA	25	U
4-Bromophenyl-phenylether		NA	10	U		NA	10	U		NA	10	U
4-Chloro-3-methylphenol		NA	10	U		NA	10	U		NA	10	U
4-Chloroaniline		NA	10	U		NA	10	U		NA	10	U
4-Chlorophenyl-phenylether		NA	10	U		NA	10	U		NA	10	U
4-Methylphenol		NA	10	U		NA	10	U		NA	10	U
4-Nitroaniline		NA	25	U		NA	25	U		NA	25	U
4-Nitrophenol		NA	25	U		NA	25	U		NA	25	UJ
Acenaphthene		NA	10	U		NA	10	U		NA	10	U
Acenaphthylene		NA	10	U		NA	10	U		NA	10	U
Acetophenone		NA	10	U		NA	10	U		NA	10	U
Anthracene		NA	10	U		NA	10	U		NA	10	U
Atrazine		NA	10	U		NA	10	U		NA	10	U
Benzaldehyde		NA	10	U		NA	10	U		NA	10	U
Benzo(a)anthracene		NA	10	U		NA	10	U		NA	10	U
Benzo(a)pyrene		NA	10	U		NA	10	U		NA	10	U

Summary of Surface Water Analytical Results
Centredale Manor
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Sample Number	WRL-SW-2041-01F		WRL-SW-2042-01		WRL-SW-2042-01F		WRL-SW-2043-01		WRL-SW-2043-01F		WRL-SW-2044-01	
Sample Location	WRL-SD-2041		WRL-SD-2042		WRL-SD-2042		WRL-SD-2043		WRL-SD-2043		WRL-SD-2044	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/25/99		11/2/99		11/2/99		11/8/99		11/8/99		11/0/09	
QC Identifier	None		None		None		None		None		None	
Benzo(b)fluoranthene		NA	10	U		NA	10	U		NA	10	U
Benzo(g,h,i)perylene		NA	10	U		NA	10	U		NA	10	U
Benzo(k)fluoranthene		NA	10	U		NA	10	U		NA	10	U
Bis(2-Chloroethoxy)methane		NA	10	U		NA	10	U		NA	10	U
Bis(2-Chloroethyl)ether		NA	10	UJ		NA	10	U		NA	10	UJ
bis(2-Ethylhexyl)phthalate		NA	10	U		NA	160			NA	10	UJ
Butylbenzylphthalate		NA	10	U		NA	10	U		NA		R
Caprolactam		NA	10	U		NA	10	U		NA	10	U
Carbazole		NA	10	U		NA	10	U		NA	10	U
Chrysene		NA	10	U		NA	10	U		NA	10	U
Di-n-Butylphthalate		NA	10	U		NA	10	U		NA	10	UJ
Di-n-octylphthalate		NA	10	U		NA	10	U		NA	10	U
Dibenzo(a,h)anthracene		NA	10	U		NA	10	U		NA	10	U
Dibenzofuran		NA	10	U		NA	10	U		NA	10	U
Diethylphthalate		NA	10	U		NA	10	U		NA	10	U
Dimethylphthalate		NA	10	U		NA	10	U		NA	10	U
Fluoranthene		NA	10	U		NA	10	U		NA	10	U
Fluorene		NA	10	U		NA	10	U		NA	10	U
Hexachlorobenzene		NA	10	U		NA	10	U		NA	10	U
Hexachlorobutadiene		NA	10	UJ		NA	10	U		NA	10	U
Hexachlorocyclopentadiene		NA	10	U		NA	10	U		NA	10	U
Hexachloroethane		NA	10	U		NA	10	U		NA	10	U
Indeno(1,2,3-cd)pyrene		NA	10	U		NA	10	U		NA	10	U
Isophorone		NA	10	UJ		NA	10	U		NA	10	U
N-Nitroso-di-n-propylamine		NA	10	U		NA	10	U		NA	10	U
N-Nitroso-diphenylamine		NA	10	U		NA	10	U		NA	10	U
Naphthalene		NA	10	U		NA	10	U		NA	10	U
Nitrobenzene		NA	10	U		NA	10	U		NA	10	U
Pentachlorophenol		NA	25	UJ		NA	25	U		NA	25	U
Phenanthrene		NA	10	U		NA	10	U		NA	10	U
Phenol		NA	10	U		NA	10	U		NA	10	U
Pyrene		NA	10	U		NA	10	U		NA	10	U
Total PAH		NA	10	U		NA	10	U		NA	10	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2041-01F		WRL-SW-2042-01		WRL-SW-2042-01F		WRL-SW-2043-01		WRL-SW-2043-01F		WRL-SW-2044-01	
Sample Location	WRL-SD-2041		WRL-SD-2042		WRL-SD-2042		WRL-SD-2043		WRL-SD-2043		WRL-SD-2044	
Interval	0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0		0 0-0 0	
Date Sampled	10/25/99		11/2/99		11/2/99		11/8/99		11/8/99		11/9/99	
QC Identifier	None		None		None		None		None		None	
Pesticide/PCB Analysis (UG/L)			AQB53				AQB63				AQB72	
4,4'-DDD		NA	0.10	UJ		NA	0.10	U		NA	0.10	U
4,4'-DDE		NA	0 0043	J		NA	0.10	U		NA	0 10	U
4,4'-DDT		NA	0 10	UJ		NA	0.10	U		NA	0 10	U
Aldrin		NA	0.015	J		NA	0 05	U		NA	0 05	U
alpha-BHC		NA	0.05	UJ		NA	0 05	U		NA	0 05	U
alpha-Chlordane		NA	0.019	J		NA	0 05	U		NA	0.05	U
Aroclor, Total		NA	2.0	U		NA	2.0	U		NA	2.0	U
Aroclor-1016		NA	1.0	UJ		NA	1.0	U		NA	1.0	U
Aroclor-1221		NA	2.0	UJ		NA	2.0	U		NA	2.0	U
Aroclor-1232		NA	1.0	UJ		NA		NA		NA		NA
Aroclor-1242		NA	1.0	UJ		NA	1.0	U		NA	1.0	U
Aroclor-1248		NA	1.0	UJ		NA	1.0	U		NA	1.0	U
Aroclor-1254		NA	1.0	UJ		NA	1.0	U		NA	1.0	U
Aroclor-1260		NA	1.0	UJ		NA	1.0	U		NA	1.0	U
beta-BHC		NA	0.05	UJ		NA	0.05	U		NA	0.05	U
delta-BHC		NA	0.05	UJ		NA	0.05	U		NA	0.05	U
Dieldrin		NA	0.10	UJ		NA	0.10	U		NA	0.10	U
Endosulfan I		NA	0.05	UJ		NA	0.05	U		NA	0.05	U
Endosulfan II		NA	0.10	UJ		NA	0.10	U		NA	0.10	U
Endosulfan Sulfate		NA	0.0032	J		NA	0.10	U		NA	0.10	U
Endrin		NA	0.10	UJ		NA	0.10	U		NA	0.10	U
Endrin Aldehyde		NA	0.005	J		NA		NA		NA		NA
Endrin Ketone		NA	0.10	UJ		NA	0.10	U		NA	0.10	U
gamma-BHC		NA	0.05	UJ		NA	0.05	U		NA	0.05	U
gamma-Chlordane		NA	0.021	J		NA	0.05	U		NA	0.05	U
Heptachlor		NA	0 05	UJ		NA	0 05	U		NA	0.05	U
Heptachlor Epoxide		NA	0 05	UJ		NA	0.05	U		NA	0 05	U
Methoxychlor		NA	0.50	UJ		NA	0.50	U		NA	0 50	U
Toxaphene		NA	5.0	UJ		NA	5.0	U		NA	5.0	U

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2041-01F		WRL-SW-2042-01		WRL-SW-2042-01F		WRL-SW-2043-01		WRL-SW-2043-01F		WRL-SW-2044-01	
Sample Location	WRL-SD-2041		WRL-SD-2042		WRL-SD-2042		WRL-SD-2043		WRL-SD-2043		WRL-SD-2044	
Interval	0 0-0.0		0 0-0.0		0 0-0.0		0 0-0.0		0 0-0.0		0 0-0.0	
Date Sampled	10/25/99		11/2/99		11/2/99		11/8/99		11/8/99		11/9/99	
QC Identifier	None		None		None		None		None		None	
Dioxin Analysis (PG/L)			D00973				D01011				D01031	
1,2,3,4,6,7,8-HpCDD		NA	149			NA	39.4	J		NA	9.7	U
1,2,3,4,6,7,8-HpCDF		NA	58.3			NA	15.6	J		NA	6.2	U
1,2,3,4,7,8,9-HpCDF		NA	4.2	U		NA	1.9	U		NA	8.1	U
1,2,3,4,7,8-HxCDD		NA	3.5	U		NA	1.3	U		NA	6.5	U
1,2,3,4,7,8-HxCDF		NA	2.3	U		NA	2.4	U		NA	4.6	U
1,2,3,6,7,8-HxCDD		NA	6.1	J		NA	1.2	U		NA	6.0	U
1,2,3,6,7,8-HxCDF		NA	2.0	U		NA	0.80	U		NA	4.2	U
1,2,3,7,8,9-HxCDD		NA	6.1	J		NA	1.8	EMPC		NA	6.3	U
1,2,3,7,8,9-HxCDF		NA	2.4	U		NA	1.1	U		NA	5.1	U
1,2,3,7,8-PeCDD		NA	4.5	U		NA	2.3	U		NA	5.0	U
1,2,3,7,8-PeCDF		NA	3.3	U		NA	1.3	U		NA	3.8	U
1,2,4,5,7,8-hexachloro(9H)xanthene		NA	80.93	J		NA	18.76	J		NA	0.00	U
2,3,4,6,7,8-HxCDF		NA	2.1	U		NA	0.90	U		NA	4.5	U
2,3,4,7,8-PeCDF		NA	3.4	U		NA	1.3	U		NA	4.0	U
2,3,7,8-TCDD		NA	853			NA	157			NA	8.6	U
2,3,7,8-TCDF		NA	7.7	J		NA	1.0	U		NA	4.5	UJ
OCDD		NA	1110			NA	291			NA	23.6	U
OCDF		NA	83.3	J		NA	27.5	U		NA	14.3	U
Total HpCDD		NA	281	J		NA	106	J		NA	9.7	UJ
Total HpCDF		NA	124	J		NA	15.6	UJ		NA	7.1	UJ
Total HxCDD		NA	36.6	J		NA	7.4	EMPC		NA	6.2	UJ
Total HxCDF		NA	51.9	J		NA	16.4	UJ		NA	4.6	UJ
Total PeCDD		NA	4.5	UJ		NA	2.3	UJ		NA	5.0	UJ
Total PeCDF		NA	14.6	J		NA	1.3	EMPC		NA	3.9	UJ
Total TCDD		NA	871	J		NA	157	J		NA	8.6	UJ
Total TCDF		NA	40.4	J		NA	4.7	J		NA	4.5	UJ
Toxicity Equivalency		NA	661			NA	160			NA	9.6	

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2041-01F		WRL-SW-2042-01		WRL-SW-2042-01F		WRL-SW-2043-01		WRL-SW-2043-01F		WRL-SW-2044-01	
Sample Location	WRL-SD-2041		WRL-SD-2042		WRL-SD-2042		WRL-SD-2043		WRL-SD-2043		WRL-SD-2044	
Interval	0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0		0.0-0.0	
Date Sampled	10/25/99		11/2/99		11/2/99		11/8/99		11/8/99		11/8/99	
QC Identifier	None		None		None		None		None		None	
TAL Metal Analysis (UG/L)	**MAMF57**		**MAMF98**		**MAMF99**		**MAMB97**		**MAMB98**		**MALJ16**	
Aluminum	22.5	UJ	917		60.6	J	343		28.0	U	58.2	U
Antimony	5.0	U	2.1	UJ	2.1	UJ	5.0	U	5.0	U	5.0	U
Arsenic	10.5		2.2	U	2.2	U	6.0	U	6.0	U	6.0	U
Barium	16.2	U	31.1		16.1	U	22.3		177	U	37.0	
Beryllium	1.5	U	0.20		0.10	U	1.0	U	1.0	U	1.0	U
Cadmium	1.0	U	0.30	U	0.30	U	1.0	U	1.0	U	1.0	U
Calcium	8990		9730		7660		10500		8300		17000	
Chromium	1.0	U	6.3		0.50	UJ	3.6		1.0	U	1.0	U
Cobalt	1.0	U	1.0	J	0.60	U	1.0	U	1.0	U	1.0	U
Copper	6.3		29.4		1.4		20.5		7.8		4.3	
Iron	146		1560		305		852		217		3710	
Lead	2.0	U	21.8		2.8	UJ	10.2		4.7		2.0	U
Magnesium	1400		1720		1240		1550		1370	J	2400	
Manganese	51.7		152		46.4		84.3		47.2		1490	
Mercury	0.20	U	0.10	U	0.10	U	0.20	U	0.20	U	0.20	U
Nickel	3.2	J	4.1		1.3	U	3.8	J	2.0	U	2.0	U
Potassium	2060	J	2760		2060		1910		1890		2720	
Selenium	5.0	U	1.8	U	2.3	UJ	5.0	U	5.0	U	5.0	U
Silver	1.2	J	0.40	U	0.40	U	1.0	U	1.0	U	1.0	U
Sodium	23300		24900		20800		21000		23000		31800	
Thallium	7.0	U	2.1	U	2.1	U	7.0	U	7.0	U	7.0	U
Vanadium	3.0	UJ	2.7		0.50	U	2.0	U	2.0	U	2.0	U
Zinc	23.4	J	53.5		12.9	U	75.7		65.0		25.1	

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2044-01F	
Sample Location	WRL-SD-2044	
Interval	0.0-0.0	
Date Sampled	11/9/99	
QC Identifier	None	
Semivolatile Organic Analysis (UG/L)		
1,1'-Biphenyl		NA
2,2'-oxybis(1-Chloropropane)		NA
2,4,5-Trichlorophenol		NA
2,4,6-Trichlorophenol		NA
2,4-Dichlorophenol		NA
2,4-Dimethylphenol		NA
2,4-Dinitrophenol		NA
2,4-Dinitrotoluene		NA
2,6-Dinitrotoluene		NA
2-Chloronaphthalene		NA
2-Chlorophenol		NA
2-Methylnaphthalene		NA
2-Methylphenol		NA
2-Nitroaniline		NA
2-Nitrophenol		NA
3,3'-Dichlorobenzidine		NA
3-Nitroaniline		NA
4,6-Dinitro-2-methylphenol		NA
4-Bromophenyl-phenylether		NA
4-Chloro-3-methylphenol		NA
4-Chloroaniline		NA
4-Chlorophenyl-phenylether		NA
4-Methylphenol		NA
4-Nitroaniline		NA
4-Nitrophenol		NA
Acenaphthene		NA
Acenaphthylene		NA
Acetophenone		NA
Anthracene		NA
Atrazine		NA
Benzaldehyde		NA
Benzo(a)anthracene		NA
Benzo(a)pyrene		NA

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2044-01F	
Sample Location	WRL-SD-2044	
Interval	0 0-0.0	
Date Sampled	11/9/99	
QC Identifier	None	
Benzo(b)fluoranthene		NA
Benzo(g,h,i)perylene		NA
Benzo(k)fluoranthene		NA
Bis(2-Chloroethoxy)methane		NA
Bis(2-Chloroethyl)ether		NA
bis(2-Ethylhexyl)phthalate		NA
Butylbenzylphthalate		NA
Caprolactam		NA
Carbazole		NA
Chrysene		NA
Di-n-Butylphthalate		NA
Di-n-octylphthalate		NA
Dibenzo(a,h)anthracene		NA
Dibenzofuran		NA
Diethylphthalate		NA
Dimethylphthalate		NA
Fluoranthene		NA
Fluorene		NA
Hexachlorobenzene		NA
Hexachlorobutadiene		NA
Hexachlorocyclopentadiene		NA
Hexachloroethane		NA
Indeno(1,2,3-cd)pyrene		NA
Isophorone		NA
N-Nitroso-di-n-propylamine		NA
N-Nitroso-diphenylamine		NA
Naphthalene		NA
Nitrobenzene		NA
Pentachlorophenol		NA
Phenanthrene		NA
Phenol		NA
Pyrene		NA
Total PAH		NA

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2044-01F	
Sample Location	WRL-SD-2044	
Interval	0.0-0.0	
Date Sampled	11/9/99	
QC Identifier	None	
Pesticide/PCB Analysis (UG/L)		
4,4'-DDD		NA
4,4'-DDE		NA
4,4'-DDT		NA
Aldrin		NA
alpha-BHC		NA
alpha-Chlordane		NA
Aroclor, Total		NA
Aroclor-1016		NA
Aroclor-1221		NA
Aroclor-1232		NA
Aroclor-1242		NA
Aroclor-1248		NA
Aroclor-1254		NA
Aroclor-1260		NA
beta-BHC		NA
delta-BHC		NA
Dieldrin		NA
Endosulfan I		NA
Endosulfan II		NA
Endosulfan Sulfate		NA
Endrin		NA
Endrin Aldehyde		NA
Endrin Ketone		NA
gamma-BHC		NA
gamma-Chlordane		NA
Heptachlor		NA
Heptachlor Epoxide		NA
Methoxychlor		NA
Toxaphene		NA

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2044-01F	
Sample Location	WRL-SD-2044	
Interval	0 0-0.0	
Date Sampled	11/9/99	
QC Identifier	None	
Dioxin Analysis (PG/L)		
1,2,3,4,6,7,8-HpCDD		NA
1,2,3,4,6,7,8-HpCDF		NA
1,2,3,4,7,8,9-HpCDF		NA
1,2,3,4,7,8-HxCDD		NA
1,2,3,4,7,8-HxCDF		NA
1,2,3,6,7,8-HxCDD		NA
1,2,3,6,7,8-HxCDF		NA
1,2,3,7,8,9-HxCDD		NA
1,2,3,7,8,9-HxCDF		NA
1,2,3,7,8-PeCDD		NA
1,2,3,7,8-PeCDF		NA
1,2,4,5,7,8-hexachloro(9H)xanthene		NA
2,3,4,6,7,8-HxCDF		NA
2,3,4,7,8-PeCDF		NA
2,3,7,8-TCDD		NA
2,3,7,8-TCDF		NA
OCDD		NA
OCDF		NA
Total HpCDD		NA
Total HpCDF		NA
Total HxCDD		NA
Total HxCDF		NA
Total PeCDD		NA
Total PeCDF		NA
Total TCDD		NA
Total TCDF		NA
Toxicity Equivalency		NA

Summary of Surface Water Analytical Results
Centredale Manor
North Providence, Rhode Island

Sample Number	WRL-SW-2044-01F	
Sample Location	WRL-SD-2044	
Interval	0 0-0.0	
Date Sampled	11/9/99	
QC Identifier	None	
TAL Metal Analysis (UG/L)	**MALJ17**	
Aluminum	16.0	UJ
Antimony	5.0	U
Arsenic	6.0	U
Barium	36.0	U
Beryllium	1.0	U
Cadmium	1.0	U
Calcium	17300	
Chromium	1.0	U
Cobalt	1.0	U
Copper	6.0	
Iron	2960	
Lead	2.0	U
Magnesium	2420	
Manganese	1550	
Mercury	0.20	U
Nickel	2.2	J
Potassium	2760	
Selenium	5.0	U
Silver	1.6	UJ
Sodium	31900	
Thallium	7.6	J
Vanadium	2.0	U
Zinc	22.4	

APPENDIX E

SAMPLE COLLECTION RECORDS

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RCC-SD-3001-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/10/99 1345 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEIL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- [ ] Soil
- [X] Sediment
- [ ] Composite
- [X] Grab
- [ ] Trip Blank*
- [ ] Equipment Blank*
- [ ] Field Duplicate collected
- [ ] Other (Specify): _____

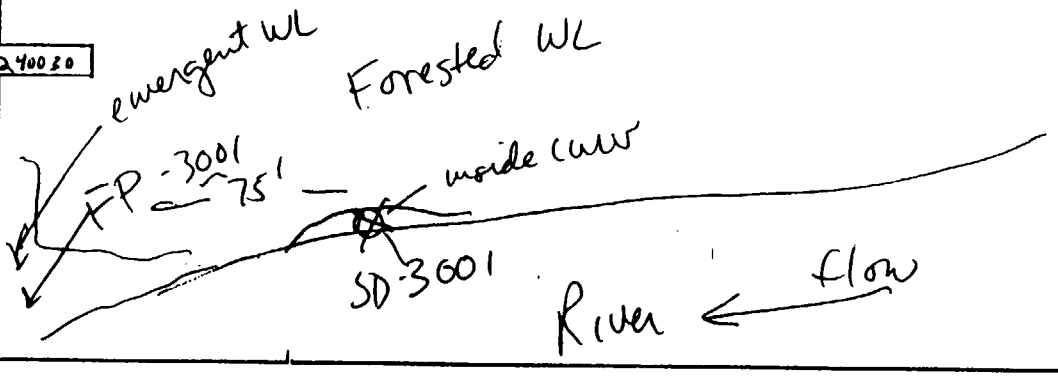
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty Sand w/some organic leaf matter.

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240030
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: No extra volume collected.



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ RCC - FP-3001 - 01

Tetra Tech NUS Job No. N0400
QC Information: N/A (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/10/99 1355 hours DUP Time: ____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY (K. O'NEILL) (circle appropriate)

Data Recorded By: Kevin O'Neill
Signature

PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ✓ Sediment
- ___ Composite
- ✓ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Silty Sand (fine) w/ decayed organic matter

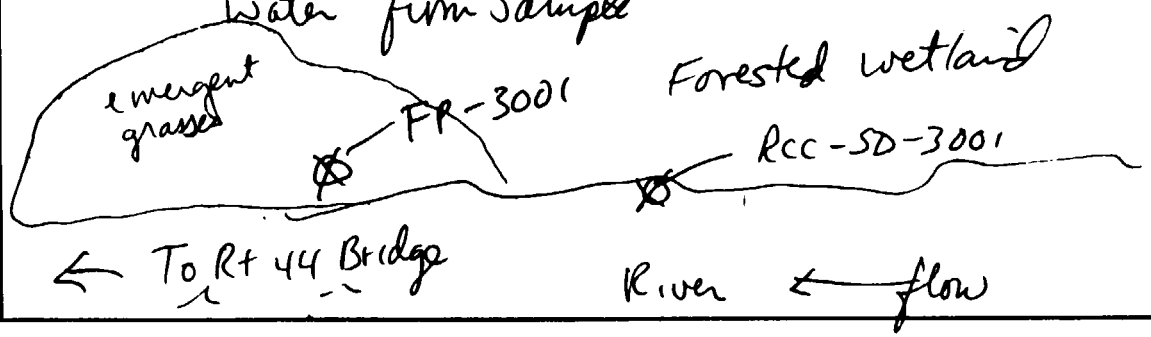
DIUF Water Lot# ____

SAMPLE DATA/REMARKS: ____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: WALGREENS

No free water collected, unable to squeeze water from sample



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RCC-BK-3001x-01
Sv 10/22/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/22/99 0835 hours DUP Time: 0932 hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Sand with silt, brown, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272c3060 G/252400 s0
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water sample collected RCC-BK-3001x
Duplicate sample collected from RCC-BK-3001x

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ - RCC - BX - 3001y - 01
SV 10/22/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0 : 0.5 feet

Sample Date & Time: 10/22/99 0837 hours DUP Time: _____ hours

Sampler(s):
S. VETERE (K.LUNDGREN) B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) top dark + moist, lower dry, light brown sandy

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: No free water collected, soil dry

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ - RCC - BK - 30012 - 01
>V 10/22/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S scoop

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 10/22/99 0845 hours DUP Time: _____ hours

Sampler(s):
S. VETERE (K. LUNDGREN) B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) top dark + moist, lower: light brown, dry sandy

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263040 G/25240030
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: No free water collected, soil dry

Tt NUS Form 0005A

TETRA TECH NUS, INC.

Aquatic Sediment reference

SAMPLE LOG SHEET - SOLID PHASE

field dup

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ RCC-SD-3002-01 KTO 11/10/99

Tetra Tech NUS Job No. N0400
QC Information: ~~RCC-SD-110999-01~~ (if applicable)
RCC-SD-1110998-01 KTO 11/10/99

Sample Method: Ekman water depth ~ 1'

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/10/99 1030 hours DUP Time: 1035 hours

Sampler(s): S. VETERE K.LUNDGREN ~~B. FENNELLY~~ K. O'NEILL (circle appropriate)

Data Recorded By: KONeill
Signature

PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- V Sediment (Aquatic)
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate collected
- ___ Other (Specify): ___

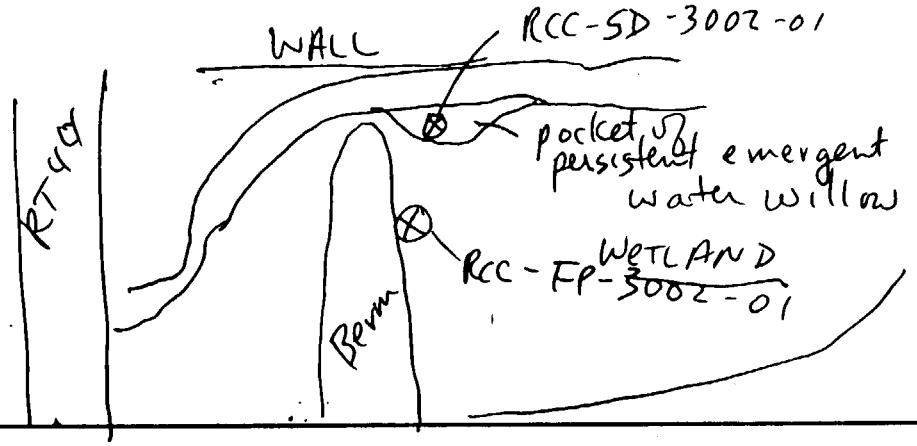
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Silty organic muck

DIUF Water Lot# ___

SAMPLE DATA/REMARKS: ___

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ RCC-FP-3002-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop
Depth Interval Sampled: 0-0.5' feet ▽ Saturated Water @ ~0.2'
Sample Date & Time: 11/10/99 1050 hours DUP Time: _____ hours
Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: K O'Neill
Signature

PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- X Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

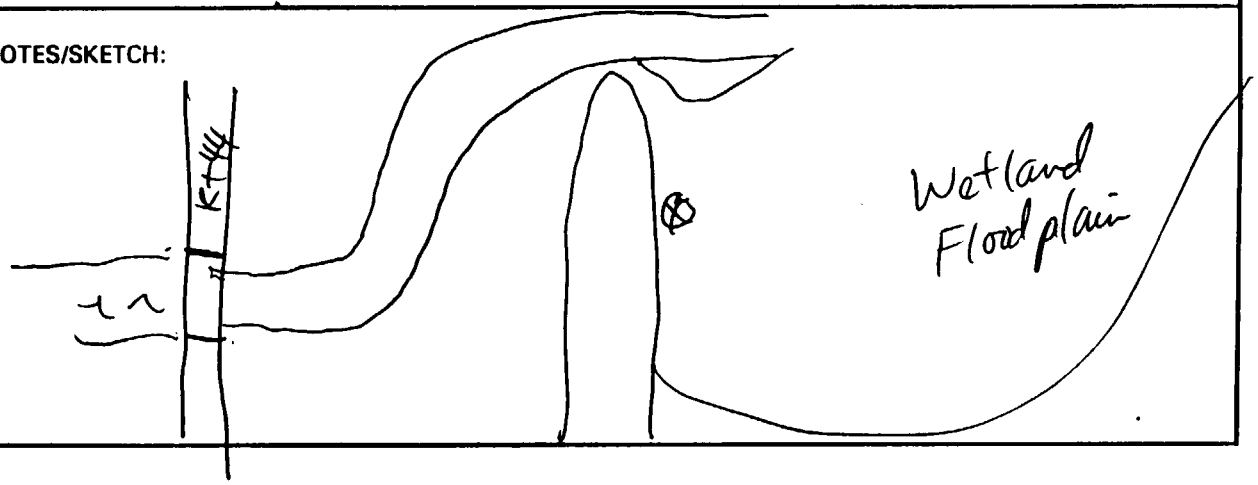
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Organic silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~GMS~~ - RCC - BK - 3002x - 01 (W) 10/22/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 10/22/99 0920 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
_X_ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
_X_ Grab	___ Other (Specify): ___

Description: (Sand), Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Sandy, silt, moist, light brown

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272/3060 G/252400 80
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected from RCC-BK-3002x

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RCC - BK - 3022Y - 01
(FA) 10/22/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 10/22/99 0922 hours DUP Time: _____ hours

Sampler(s):
S. VETERE (K.LUNDGREN) B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand), Clay, Muck, Peat, Dry, Moist, Wet, Etc.) medium brown, rocky

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM**	101599	
TOC**	G/27263060	G/25240030
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: No free water collected, soil dry

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ 12CC-BK-3002z-01
(D) 10/22/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 10/22/99 0926 hours DUP Time: _____ hours

Sampler(s):
S. VETERE (K.LUNDGREN) B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) sand, dry, rocky

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630b0 G/252400 s0
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: No free water collected, soil dry

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ - RCC - SD - 3003-01 11/10/99 KTO

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0 - 0.5 feet

KTO 11/10/99

Sample Date & Time: 11/10/99 0920 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kevin O'Neill
Signature

PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

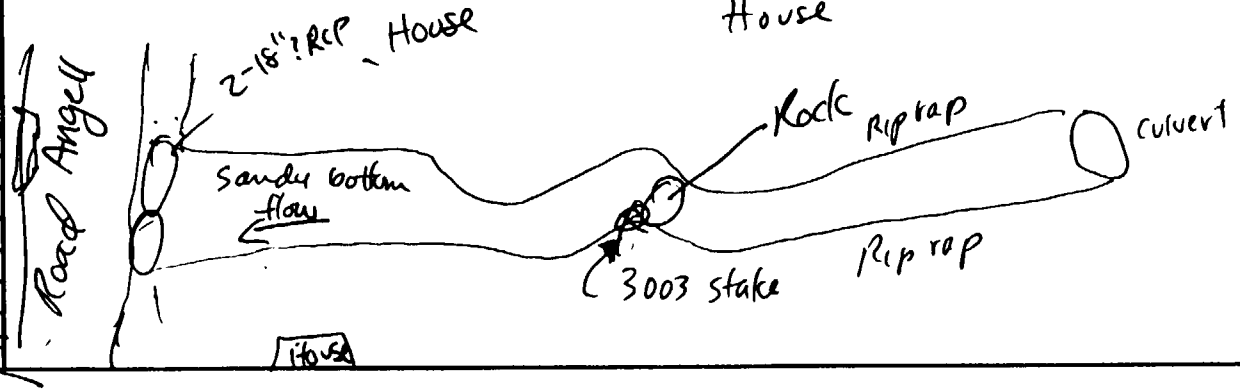
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) w/ some organic matter

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only EAST

NOTES/SKETCH: No FP (floodplain) sediment collected at this station



Tt NUS Form 0005A

DUPLICATE SAMPLE COLLECTED

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE

Sample ID: CMS - APB - BK - 2003X - 01
(W) 10/21/99 3003X

Tetra Tech NUS Job No. N0400

QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 10/21/99 1520 hours DUP Time: 1525 hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	X Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Brown, Sand with gravel, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240050
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water sample taken at this location.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-APB-BK-2003Y-01
(W) 10/21/99 3003

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0.-0.5 feet

Sample Date & Time: 10/21/99 1517 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K. CONDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: _____
Signature

PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Medium Brown; sand with gravel,

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630G0 G/252400 80
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

NO FREE WATER TAKEN FROM THIS LOCATION

(SOIL DRY)

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~SMS~~ APB - BK - ~~3003~~ 3003z - 01
(D) 10/21/99 3003

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 10/21/99 1521 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Pam Tuttle
Signature

PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

___	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Dark Brown, sand with gravel,

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101594
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

NO FREE H_2O TAKEN FROM THIS LOCATION
(SOIL DRY)

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ RAB-FP-3004-0.1

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/10/99 1530 hours DUP Time: _____ hours

Sampler(s): ~~S. VETERE~~ ~~K.LUNDGREN~~ B. FENNELLY K. O'NEILL (circle appropriate)
S. Parker

Data Recorded By: K. O'Neill
Signature

PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

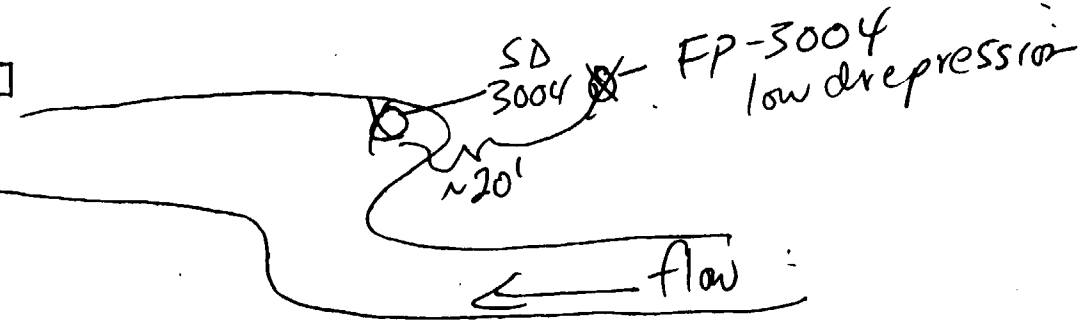
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Silty fine sand w/ decayed leaf matter

DIUF Water Lot#

SAMPLE DATA/REMARKS:

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27203060 G/25240030
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ RAB-SD-3004-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/10/99 1525 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: K O'Neill
Signature

PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

- [X] Soil
- [X] Sediment
- [ ] Composite
- [X] Grab
- [ ] Trip Blank*
- [ ] Equipment Blank*
- [ ] Field Duplicate collected
- [ ] Other (Specify): _____

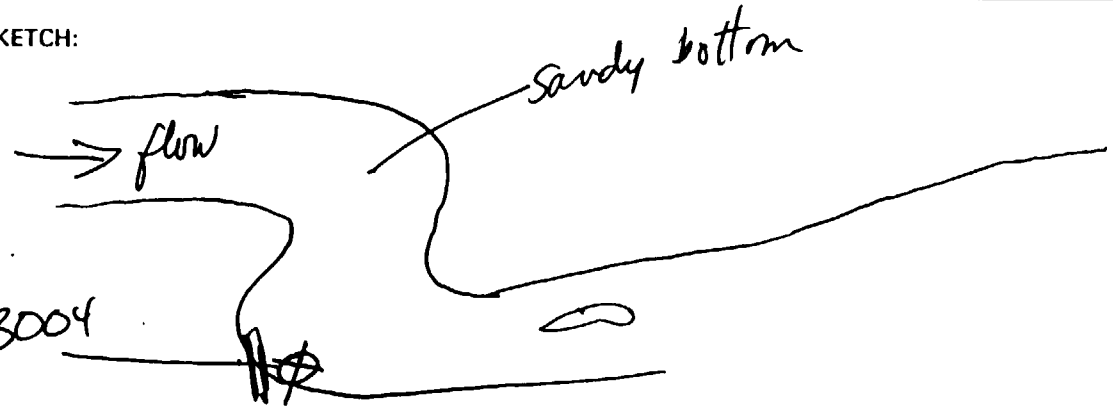
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Silty Sand w/ leaf matter

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - WRL - BK - 2004x-01 (10) 10/21/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoops

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/21/99 1350 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ✓ Sediment
- ___ Composite
- ✓ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Dark brown organic, trace coarse sand roots

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM**	101599	
TOC**	G/272@3040	G/252400 80
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101594	
TAL METALS	101594	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: Free water collected from WRL-BK-2004x

Tt NUS Form 0005A

27.6

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-WRL-BK-2004y-01
(1) 10/21/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/21/99 1353 hours DUP Time: _____ hours

Sampler(s):
S. VETERE (K.LUNDGREN) B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
✓ Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dark brown, full of roots, matted root fear

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM** X	101599	
TOC** X	G/27263060	G/25240080
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101599	
TAL METALS X	101599	
GRAIN SIZE** X		
Free Water*** X	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: No free water collected from WRL-BK-2004y soil too dry

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ WRL-BK-20042-01
(X) 10/21/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/21/99 1356 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
✓ Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dark, rooted

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: No free water collected from WRL-BK-20042 soil dry

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-WRL-BK-2005X-01 (Sonar)
10/21/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0.-0.5 feet

Sample Date & Time: 10/21/99 1435 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Twilley
Signature

PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Brown organic soil w/ sand, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water sample taken at this location.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-WRL-BK-2005Y-01
(W) 10/21/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0.-0.5 feet

Sample Date & Time: 10/21/99 1445 hours DUP Time: _____ hours

Sampler(s):
S. VETERE (K.LUNDGREN) B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Dark Brown, organic with sand and gravel

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263040 G/25240030
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

NO FREE H_2O TAKEN @ THIS LOCATION (SOIL DRY)

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-WRL-BK-20052-01 (D) 10/21/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop ~~Grab~~ BBF 10.21.99

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/21/99 1450 hours DUP Time: _____ hours

Sampler(s): S. VETERE K. LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Dark Brown, organic w/ coarse gravel, roots.

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263040 G/25240030
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: NO FREE H_2O TAKEN @ THIS LOCATION (SOIL DRY)

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~GMS-~~ LPX-BK-2006X-01
SV 10/21/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: GRAB S/S SCOOP

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/21/99 0927 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B.FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
✓ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

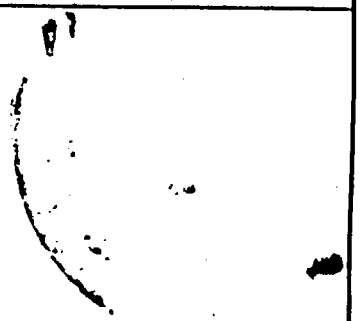
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) DARK BROWN, ORGANIC MATERIAL

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240030
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected here



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~GMS-~~ LPX-BK-2006Y-01
Ev 10/21/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: GRAB S/S Scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/21/99 0927 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K. LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
✓ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) DARK BROWN AT SURF, LIGHER AT DEPTH very dry, organic

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM**	101599	
TOC**	G/27263060	G/25290080
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101599	
TAL METALS X	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: No free water collected / soil dry

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ - LPA-BK-20062-01
10/21/99 KW

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: Grab S/S Scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10 / 21 / 99 0938 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ____ Soil
- X Sediment
- ____ Composite
- ____ Grab
- ____ Trip Blank*
- ____ Equipment Blank*
- ____ Field Duplicate collected
- ____ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Dark, organic, sandy

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27203040 G/25240030
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: No free water collected, soil dry

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ - LFX-BC-20072-01 (W) 10/21/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: GRAB

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/21/99 0950 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren (Signature)

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ✓ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Dark Brown

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/272c3060 G/252400 80
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: No free water collected, soil dry

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~-LPX-BK-2007X-01
SV 10/21/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: GRAB

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/21/99 0846 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ✓ Sediment
- ___ Composite
- ✓ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) DARK BROWN SAND W/ ORGANICS

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272063060 G/252400580
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

DUPLICATE COLLECTED

Page ___ of ___

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~-LPX-BK-2007Y-01
SV 10/21/99

Tetra Tech NUS Job No. N0400
QC Information: ~~CMS~~-LPX-DU-1021A (If applicable)
SV 10/21

Sample Method: GRAB

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/21/99 0845 hours DUP Time: 0855 hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
✓ Sediment	___ Equipment Blank*
___ Composite	✓ Field Duplicate collected
✓ Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) DARK BROWN

DIUF Water Lot# ___

SAMPLE DATA/REMARKS: DUPLICATE SAMPLE ~~CMS~~-LPX-DU-1021A
SV 10/21

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27303040 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: No free water collected, soil dry

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS:~~ LPX-BK-2008X-01
SV 10/21/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: GRAB S/S SCOOP

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/21/99 1015 hours DUP Time: _____ hours
Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ✓ Sediment
- ___ Composite
- ✓ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) DARK BRWN, ORGANIC, SAND

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM**	101599	
TOC**	G/27263060	G/25240020
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101599	
TAL METALS X	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH:

FREE WATER SAMPLE TAKEN

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE

Sample ID: ~~CMS-LPX-BK-200801~~ LPX-BK-2008Y-01
6/21/99 SV 10/21/99

Tetra Tech NUS Job No. N0400

QC Information: _____ (If applicable)

Sample Method: GRAB S/S SCOOP

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/21/99 1017 hours DUP Time: ____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
✓ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) DARK BROWN, GRAVELLY SAND

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

NO FREE H_2O TAKEN

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ - LPX-BK-20087-01
10/21/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: GRAB s/s SCOOP

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/21/99 1020 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ✓ Sediment
- ___ Composite
- ✓ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) DARK BROWN SAND, TRACE GRAVEL

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240030
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

NO FREE H_2O TAKEN

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ WRC-SD-2009-01 (W) 11/01/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: SIS SCOOP

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/01/99 1635 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, (Moist), Wet, Etc.) Fine sand with some silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/27263060 G/25240050
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected here

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS: WRC-SD-2010-01
(W) 11/2/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S bowl + scoop

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 11/02/99 11:15 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) fine sand w/ gravel + silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/27203060 G/25240050
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected here

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - WRC-SD-2011-000.5-01
(W) 11/2/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 11/02/99 10^12 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Ken Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) sand w/ some silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/27263060 G/25240050
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected here

Tt NUS Form 0008A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE 1011
Sample ID: CMS - WRC - SD - 0.5|S - 01 (W) 11/7/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0.5 - 1.5 feet

Sample Date & Time: 11/02/99 1022 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

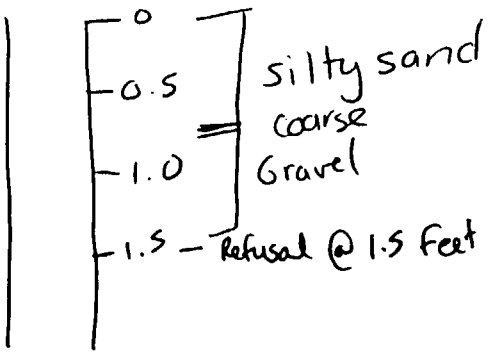
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty sand w/ gravel

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/272630G0 G/252400S0
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
**surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~SMS~~ WRC-SD-2012-01 11/2/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/02/99 9/12 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Sand with silt, dark

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/27263060 G/25240080
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected here
A sheen was noted (organic)

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - WRC-SD-2013-000.5-01 (W) 11/1/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: Hand auger

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/01/99 15[26] hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: [signature] Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

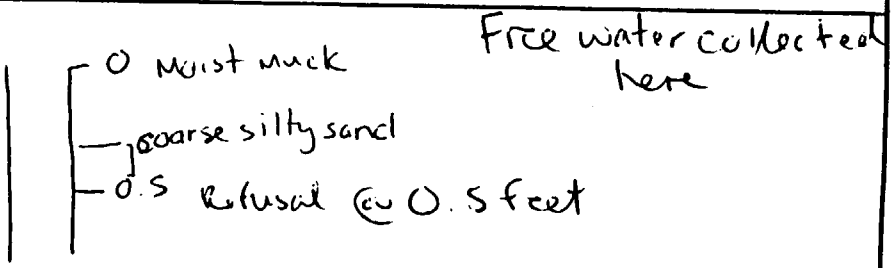
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) black muck on top, coarse silty sand below

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/273063060 G/252400380
SVOC/Pest/PCB X	101599
DIOXIN/FICX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - WRC - SD - 2014 - 01 (KW) 11/1/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: ~~dip~~ KW 11/1/99 S/S Ekman Sampler

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 11/01/99 1430 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Tuck
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ✓ Sediment
- ___ Composite
- ✓ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Fine to medium, silty sand

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM** ✓	101599	
TOC** X	G/27263060	G/25240080
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101599	
TAL METALS X	101599	
GRAIN SIZE** X		
Free Water*** ✓	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: Free water collected here

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ WRC - SD - 2015 - 01 (W) 11/1/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S scoop

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 11/01/99 12[32] hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY K. O'NEILL) (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0-0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brown, organic, silty, sand

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM** X	101599	
TOC** X	G/273.3040	G/252400.30
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101599	
TAL METALS X	101599	
GRAIN SIZE** X		
Free Water*** X	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: Free water collected

oil sheen noted

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ - CMW-SD-2016-01 (D) 10126199

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S scoop

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 10/26/99 16[10] hours DUP Time: ____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.7 ppm problems with PID

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Sandy silty, medium brown, moist, pebbles

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH: Free water collected here
AVS/SEM** X	101599	
TOC** X	G/272630G0 G/252400 20	
SVOC/Pest/PCB X	101599	
DIOXIN/FICX X	101599	
TAL METALS X	101599	
GRAIN SIZE** X		
Free Water*** X	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ CMW-SD-2017-01 (D) 10/27/99
Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S scoop
Depth Interval Sampled: 0-0.5 (D) 10/27/99 feet
Sample Date & Time: 10/27/99 0805 hours DUP Time: 0807 hours
Sampler(s): S. VETERE K.LUNDGREN B.FENNELLY K. O'NEILL (circle appropriate)
Data Recorded By: Signature
PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	X Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Sand with fines/silt, moist, brown
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM** X	101599	
TOC** X	G/27203060	G/25240080
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101599	
TAL METALS X	101599	
GRAIN SIZE** X		
Free Water*** X	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: Free water sample collected at this location.
Note: Surface water could not be collected as None was present.

Duplicate sample collected for TOC, Grain and AVS/SEM analysis

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ CMW-SD-2018-01 (W) 10/26/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S scoop

Depth Interval Sampled: 0-.05 feet 10/26/99

Sample Date & Time: 10/26/99 @ 1815 hours DUP Time: _____ hours

Sampler(s): S. VETERE K. LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren Signature

PID Monitor Reading: 0.7 ppm ~ problem with PID, staying @ 0.7

TYPE OF SAMPLE: (Check all that apply)

___	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) sandy, dark, moist, silty

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/27263060 G/25240080
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free Water Collected

No Surface Water Collected here

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMW-SD-2019-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/26/99 1440 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)

Data Recorded By: Ken Lundgren
Signature

PID Monitor Reading: 0.7 ppm problem with PID

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Dark, Mucky, Organic matter, Wet

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/27263060 G/25240080
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: ~~Free~~ Free Water collected here @10/26/99

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ CMW-SD-2020-01 (D) 101299

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/26/99 11^10 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dark (black), wet, full of organic matter.

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM** ✓	101599	
TOC** ✓	G/272630G0	G/252400 50
SVOC/Pest/PCB ✓	101599	
DIOXIN/HCX ✓	101599	
TAL METALS ✓	101599	
GRAIN SIZE** ✓		
Free Water*** ✓	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: Free water sample collected

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ CMW-SD-2021-01 (D) 10/26/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/26/99 10^10 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Dark, organic matter, silty, wet

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630G0 G/252400 30
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected
- DOUBLE VOLUME COLLECTED DUE TO WATERY SAMPLE

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ CMW-SD-2022-0005-01
(FD) 10127199

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S scoop.

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/27/99 ~~1115~~ 1215 hours DUP Time: 1200 hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

BOF 10.27.99

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) organic silt with some sand

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH:
AVS/SEM**	101599	
TOC**	G/27263060 G/25240030	
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE (W) 10/27/99
Sample ID: CMS- CMW-[illegible] - 2022 -0502 -01 (W) 10/27/99

Tetra Tech NUS Job No. N0100
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0.5 - 2.0 feet

Sample Date & Time: 10/27/99 12[15] hours DUP Time: ____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): ___

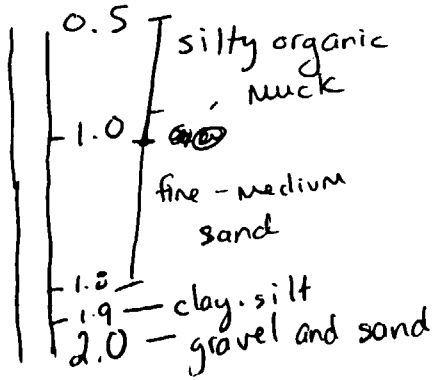
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) _____

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: approximately 8 feet from grave stake CMS-167

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630G0 G/252400 30
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

Page ___ of ___

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE

Sample ID: CMS: CMW-SD-2022-02.5-01 (W) 102799

Tetra Tech NUS Job No. N0400

QC Information: _____ (if applicable)

Sample Method: Auger (hand)

Depth Interval Sampled: 2-2.5 feet (W) 102799

Sample Date & Time: 10/27/99 1247 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

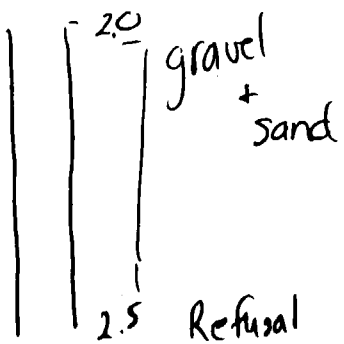
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) mean, coarse sand, slight gravel

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refusal @ 2.5 feet with hand auger



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ CMW-SD-2023-01
(R) 10127199

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 10/27/99 1031 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Dark, fine sand, moist, silty

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM** X	101599	
TOC** X	G/272&3060	G/252400&0
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101599	
TAL METALS X	101599	
GRAIN SIZE** X		
Free Water*** X	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: Free water collected

- A fish was collected in the sediment sample - it was released (Minnow)
- A sheen was created when digging for sediment sample

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-CMW-SD-2024-01 @ 10/27/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/27/99 11^15 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) fine sand and silt, dark brown, high water content

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water sample collected.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE

Sample ID: ~~CMS~~ CMW-SD-0025-0005-01 (0.0-0.5) KTO 102899
(D) 10128199

Tetra Tech NUS Job No. N0400

QC Information: _____ (If applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0.-0.5 feet

Sample Date & Time: 10/28/99 1041 hours DUP Time: ____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Moist, organic silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/272630G0 G/252400S0
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected here
sheen noted as scooping sediment
Extra ~~Duplicate~~ volume collected KTO 10-28-99
(D) 10/28/99

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE

Sample ID: ~~CM8~~ CNW-SD-2025-0.5-02-01 (0.5-2.0) (W) 10128199 (KW) 10/28/99 ICTO 10 7899

Tetra Tech NUS Job No. N0400

QC Information: _____ (if applicable)

Sample Method: Hand Auger

Depth Interval Sampled: 0.5 - 2.0 feet

Sample Date & Time: 10/28/99 10^50 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren (Signature)

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
√ Grab	___ Other (Specify): _____

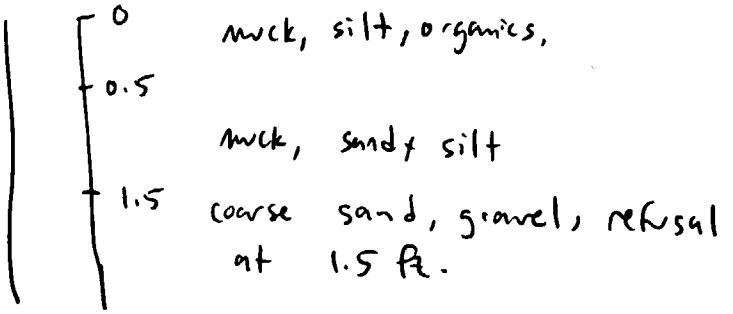
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Sandy silt followed by course sand & gravel

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Course sand / gravel at 1.5 ft.
Refusal at 1.5 ft.
Tried in 3 locations.

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM**	101599	
TOC**	G/272630G0	G/252400 80
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101594	
TAL METALS X	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ CMW-2026-0005-01 10/28/99 (W) -SD- (W) 10/28/99
10/28/99 (W)

Tetra Tech NUS Job No. N0400
QC Information: CMW-DU-102899A (If applicable) -SD

Sample Method: hand S/S scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/28/99 9^15 hours DUP Time: 9^20 hours

Sampler(s):
S. VETERE (K.LUNDGREN) B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren (Signature)

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	X Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, (Peat) Dry, Moist, Wet, Etc.) silty peat

DIUF Water Lot#

SAMPLE DATA/REMARKS: Duplicate collected CMW-SD-DU-102899A

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/272030 40 G/252400 30
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected here
Duplicate volume collected

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE (W) (W)
Sample ID: ~~CMS~~ CMW-~~35~~-2026-0502-01
(W) 10/20/99 FP 10/28/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: _____

Depth Interval Sampled: 0.5-2.0 feet

Sample Date & Time: 10/28/99 927 hours DUP Time: _____ hours

Sampler(s):
S. VETERE (K.LUNDGREN B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): ___

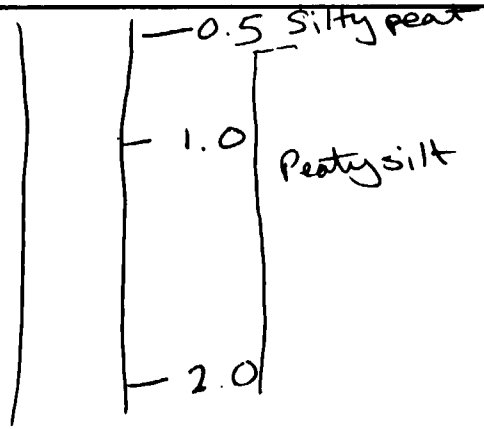
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) peaty silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/27203060 G/25240080
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ CMW-FP-2026-0204-01 (VL) 10/28/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 2.0 - 4.0 feet

Sample Date & Time: 10/28/99 933 hours DUP Time: _____ hours

Sampler(s):
S. VETERE (K.LUNDGREN) B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

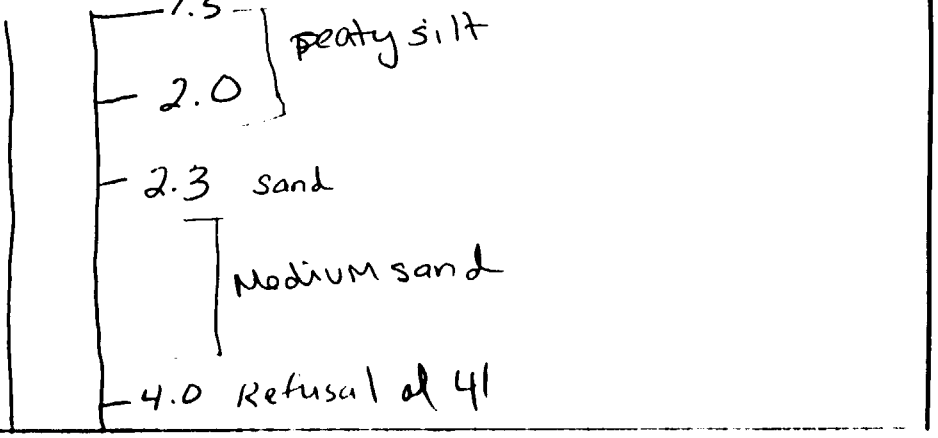
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Medium Sand, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272030/60 G/252400 80
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - CMW - SD - 2027 - 01
(W) 10/28/99 FP FTO 10-28-99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/28/99 1000 hours DUP Time: ____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Silty peat with reddish hue, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/272c3060 G/252400 80
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected here

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE -0005
Sample ID: ~~CMS-~~ ~~6100~~ APB-FP-2028-01
10/28/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/28/99 1425 hours DUP Time: ____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silt, Moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272c3060 G/252400 80
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101594
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected here
0.5 feet from CMS-600 stake
Sediment collected 1.5 feet from APB-FP-2028 stake

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ CMS-PPB-FP-2028-0.5D2-01 (DUP 10/28/99)

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0.5 - 2.0 feet

Sample Date & Time: 10/28/99 1435 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Ben Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- X Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

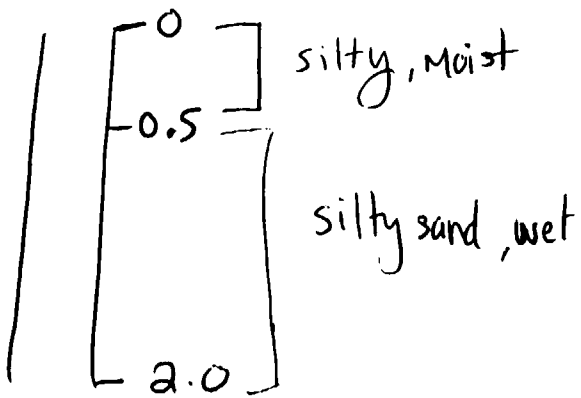
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) wet, silty sand

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/2726306D G/2524005 80
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

Page 1 of

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ APB-FP-2028-~~0204~~-01 (10/28/99) -0235

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: Hand Auger
Depth Interval Sampled: 2.0 - 4.0 feet @ 10/28/99
Sample Date & Time: 10/28/99 1142 hours DUP Time: _____ hours
Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
Data Recorded By: Kim Lundgren (Signature)
PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

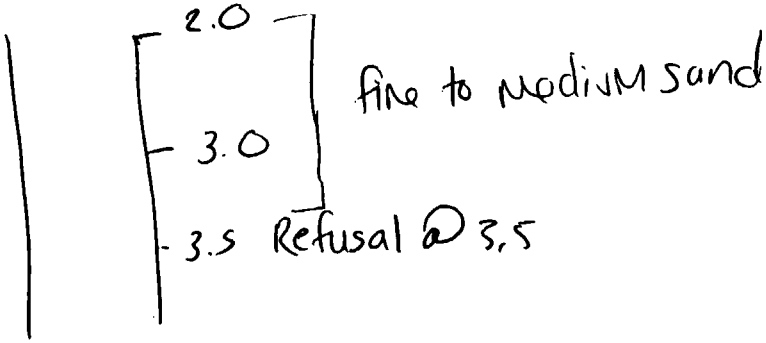
___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dark fine to medium sand, some gravel
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27203060 G/25240030
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



[illegible] 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS- APB-SD-2029-0005-01 (V) 10/29/99 (D) 10/29/99

Tetra Tech NUS Job No. N0100
QC Information: APB-SD-DU-102999A (if applicable)

Sample Method: ~~S/S scoop~~ hand auger

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 10/29/99 925 hours DUP Time: ~~0930~~ 0930 hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren (Signature)

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	X Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Silty or layer of sand

DIUF Water Lot# ___

SAMPLE DATA/REMARKS: ___

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/27263060 G/25240020
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected

'4 Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ APB-SD-2029-0.5D2-01 (D) 10/29/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0.5 - 2.0 feet

Sample Date & Time: 10/29/99 9^30 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): ___

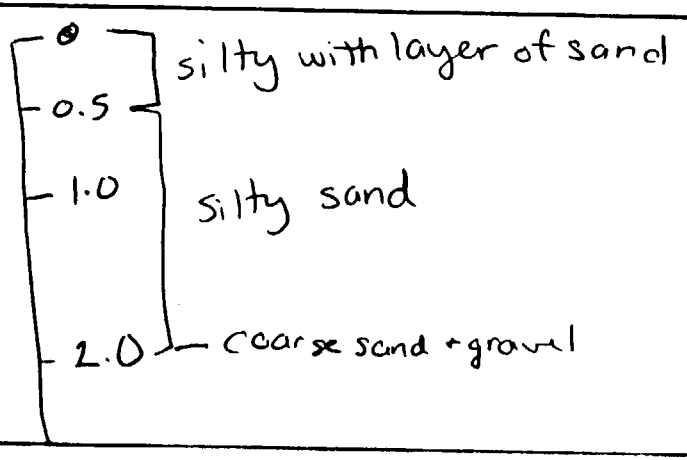
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.)

DIUF Water Lot#

SAMPLE DATA/REMARKS:

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/2726306D G/2524003D
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE ICTO 10-29-99
Sample ID: ~~CMS-~~ ARD-SD-2029-~~0204~~-01 (DUP) 10/29/99 1203
Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger
Depth Interval Sampled: 2.0 - 4.0 (3.0) feet ICTO 10-29-99
Sample Date & Time: 10/29/99 944 hours DUP Time: _____ hours
Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
Data Recorded By: _____ Signature
PID Monitor Reading 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

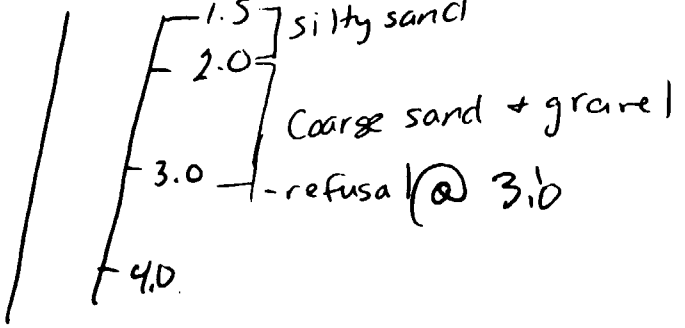
___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Coarse sand and gravel
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240030
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ APB-SD-2030-01
(M) 10/22/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S scoop

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 10/22/99 1040 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY (K. O'NEILL) (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
_X_ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
_X_ Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Fine sand and silt, organic root, brown

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/272063060 G/252400380
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: No free water collected, sediment is dry

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE (KL) 10/28/99
Sample ID: ~~CMS~~ APB-FP-~~2030~~ 2031-01 (KL) 10/28/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 10/28/99 1515 hours DUP Time: _____ hours

Sampler(s): S. VETERE K. LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) organic silt, moist, roots,

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM** X	101599	
TOC** X	G/272c3060	G/252400 80
SVOC/Pest/PCB X	101599	
DIOXIN/FICX X	101599	
TAL METALS X	101599	
GRAIN SIZE** X		
Free Water*** X	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: organic sheen noticed in hole where sample was taken (hole filled in with water).

1 1/2 CMS-~~010~~ 607 1CTO 10/28/99

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ APD-FP-2032-01
(R) 0128/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/28/99 1545 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K. LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Brian Tuttle
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) organic silt, roots, wet.

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/27263040 G/25240030
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water sample taken at this location.

CMS 616

TtNUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE -0005- (10) 10/28/99
Sample ID: ~~CMS~~ ARB-FP-2033-A01
(10) 10/28/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S scoop

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 10/28/99 16^08 hours DUP Time: _____ hours

Sampler(s): S. VETERE, K.LUNDGREN, B. FENNELLY, K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) organic silt, clay like

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/27203060 G/25240030
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected

20' - CM .610

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ - APB-FP-2033-0.5O2-01 (RE) 10/28/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger
Depth Interval Sampled: 0.5-2.0 feet
Sample Date & Time: 10/27/99 1620 hours DUP Time: _____ hours
Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

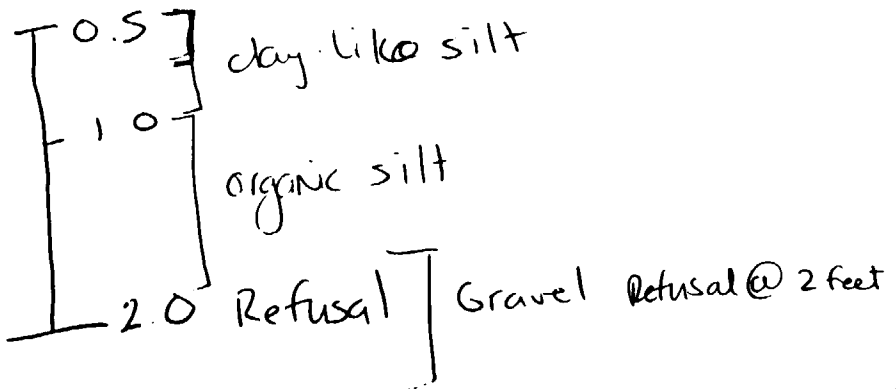
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Organic silt, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272030&0 G/252900 80
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: APB-SD-2034-01 @ 11/3/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: ECKMAN

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 11/03/99 1348 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dark silty

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM** X	101599	
TOC** X	G/27263060	G/25240080
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101599	
TAL METALS X	101599	
GRAIN SIZE** X		
Free Water*** X	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: Free water collected here

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~APC-SD-2035-0005-01~~ APC-SD-2035-0005-01 (TW) 11/3/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: s/s hand auger

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 11/03/99 1520 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEIL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty peat, brown

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/27263060 G/25240080
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101594
TAL METALS X	101594
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Next to CMS-626 stake

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: APC-SD-2035-0.502-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S hand auger

Depth Interval Sampled: 0.5 – 2.0 feet

Sample Date & Time: 11/3/99 1535 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEIL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty peat w/ sand lens @ 2'

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH:
AVS/SEM**	101599	
TOC**	G/27263069 G/25240080	
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: APC-SD-2035-0204-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S hand auger BAS 11/3/99

Depth Interval Sampled: ~~At~~ 2.0-4.0 feet

Sample Date & Time: 11/3/99 1545 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Tunkel
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Tan, fine to med. sand w/ silt + gravel (0.5-1" diameter)

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH:
AVS/SEM**	101599	
TOC**	G/27263060 G/25240080	
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101594	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ARC - SO - 2035 - 0405 - 01

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S hand auger

Depth Interval Sampled: 4.0 - 5.0 feet

Sample Date & Time: 11 / 3 / 99 ~~1455~~ 1555 hours BGF 11/3/99 DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) fine to coarse sand, w/ 10% gravel (0.75 - 1.5" in diameter)

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refusal @ 5'.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: APC-SD-20316-01

Tetra Tech NUS Job No. N0400
QC Information: APC-SD DU-11397 A (If applicable)
SV 10/3 B SV 10/3

Sample Method: ekman

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 11/3/99 14[10] hours DUP Time: 14[15] hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	X Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dark brown muck

DIUF Water Lot# ___

SAMPLE DATA/REMARKS: ___

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/272630/0 G/252400 80
SVOC/Pest/PCB X	101599
DIOXIN/FICX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected here

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~GMS~~ APB-SD-2037-01 (BRP 10.22.99)

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/22/99 1120 hours DUP Time: _____ hours

Sampler(s): S. VETERE K. LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Brown, Silty Sand, high organic content very moist.

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM** X	101599	
TOC** X	G/27263060	G/25240080
SVOC/Pest/PCB X	101599	
DIOXIN/FICX	101599	
TAL METALS X	101599	
GRAIN SIZE** X		
Free Water*** X	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH:
No Dioxin sample collected here due to extensive dioxin testing done prior (by EPA).

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: WRL-SD-2038-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/25/99 1610 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ____ Soil
- ✓ Sediment
- ____ Composite
- ✓ Grab
- ____ Trip Blank*
- ____ Equipment Blank*
- ____ Field Duplicate collected
- ____ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) FINE/MEDIUM SAND w/ ORGANIC MATTER

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240030
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: WRL-SD-2039-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: ECKMAN SAMPLER

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/25/99 1531 hours DUP Time: _____ hours

Sampler(s): S. VETERE (K. LUNDGREN) (B. FENNELLY) (K. O'NEILL) (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ✓ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) _____

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: OIL SHEEN OBSERVED

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/27263060 G/25249005 0
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

* COLLECTED EXTRA VOLUME FOR SVOC ANALYSIS DUE TO WATERY SAMPLE

Tt NUS Form 0005A

DUPLICATE SAMPLE TAKEN

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: WRL-SD-2040-01

Tetra Tech NUS Job No. N0400
QC Information: DUPLICATE TAKEN (if applicable)

Sample Method: S/S Scoop and bowl

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 10/25/99 1320 hours DUP Time: 1330 hours

Sampler(s): S. VETERE K. LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	X Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) med. to coarse sand with silt.

DIUF Water Lot#

SAMPLE DATA/REMARKS:

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM** X	101599	
TOC** X	G/2726306D	G/2524003D
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101599	
TAL METALS X	101599	
GRAIN SIZE** X		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: Duplicate ID: (W) 10/25/99

~~WRL-SD-DV-A~~ 102599 EW 10/25/99

WRL-SD-102599A
DU

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: WRL-SD-2041-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S scoop

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 10/25/99 1445 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ✓ Sediment
- ___ Composite
- ✓ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) fine sand w/ silt + organic

DIUF Water Lot# Watts

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH:
AVS/SEM** X	101599	
TOC** X	G/27263060 G/25240030	
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101599	
TAL METALS X	101599	
GRAIN SIZE** X		
Free Water*** X	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

1t NUS Form 0005A

Page

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ WRL-SD-2042-01 (11/2/99)
Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S scoop
Depth Interval Sampled: 0-0.5 feet
Sample Date & Time: 11/2/99 1452 hours DUP Time: _____ hours
Sampler(s): S. VETERE K.LUNDGREN (B. PENNELLY) K. O'NEILL _____ (circle appropriate)
Data Recorded By: Kim Lundgren (Signature)
PID Monitor Reading: N/A ppm began raining PID not useful

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) organic silty mucky, a lot of roots
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/272030G0 G/252400S0
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected here

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-WLPX~~ - SD - 2043-01 (WRL-SD-2043-01)
BOF 11/8/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 11/8/99 1205 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEIL (circle appropriate)

Data Recorded By: Boni Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

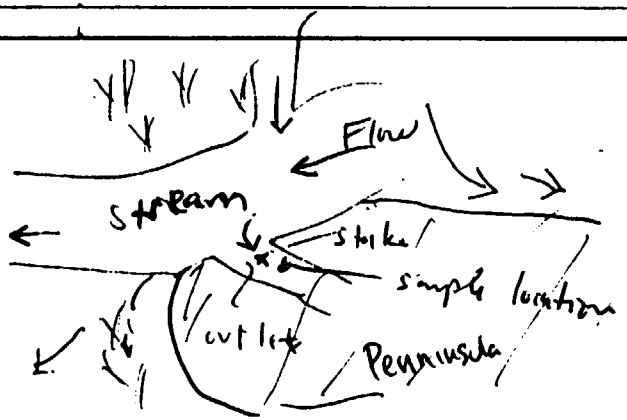
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) organic silty sand, brown

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: extra soil volume collected due to high water content.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27203060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: WM-SD-2044-000.5-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S eckman sampler

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/9/99 1345 hours DUP Time: ~~1350~~ hours BCF 11/9/99

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply) BCF 11/9/99

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ~~X~~ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty organic muck

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263040 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: extra volume collected at this location due to high water content.

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: WRL-SD-2044-0902-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: plastic core tube

Depth Interval Sampled: 0.5 - 2 feet

Sample Date & Time: 11/9/99 1430 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty organic muck (pudding like)

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: extra volume collected at this location due to high water content.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272030/0 G/252400 80
SVOC/Pest/PCB	101599
DIOXIN/FICX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: 5 Attempts in 1' of water
3' of penetration - refusal on large area of rock (?). Area approx 100 ft².
recovery 1.8' - 1.9' in 2 attempt.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: WRL-SD-2044-0203-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: plastic core tube

Depth Interval Sampled: 2-3 feet

Sample Date & Time: 11/9/99 1435 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B.FENNELLY K.O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty organic muck, w/ some sand.

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: extra sample volume collected at this location due to high water content.
BDF 11/9/99

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM**	101599	
TOC**	G/27263060	G/25240080
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: Refusal at 3'.

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: LPX-SD-2045-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: s/s Ekman sampler

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/8/99 1505 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B.FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

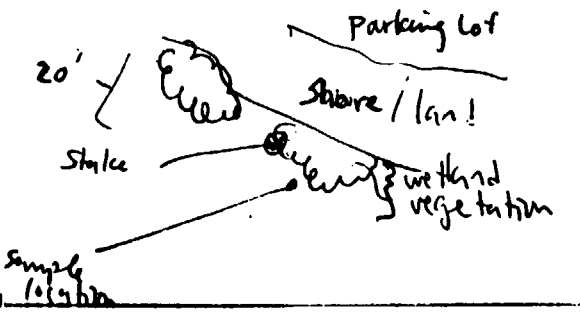
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty organic muck (pudding-like consistency)

DIUF Water Lot#

SAMPLE DATA/REMARKS: extra sediment volume collected at this location due to high water content.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: sample taken approximately 20' from shore at edge of vegetated area.



TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CFX-SD-2046-0005-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: S/S eckman sampler

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 11/8/99 1550 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. KENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Tuttle
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

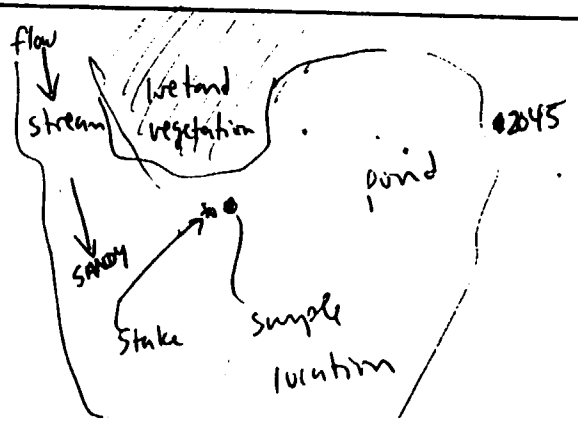
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty organic muck w/ some sand.

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: extra sediment volume collected at this location due to high water content

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27203060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: LPX-SD-2046-0.502-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: plastic core tube

Depth Interval Sampled: 0.5 - 2.0 feet

Sample Date & Time: 11/8/99 1615 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B.FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) organic silt
BRF 11/8/99

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: 5' of Penetration (0.5 - 5.0')? 1st tube
BRF 11/8/99 ~~1.5~~ 1.35' of recovery - discarded. Collected 3 cores of 4' penetration w/ 1.9' recovery each
sediment relatively dry as a result of compression in plastic core tube.

1 extra sediment jar collected to supplement volume if needed
petroleum odor Noticed in sample

Split recovered portion into 0.002 + 0.20# samples.
All similar material
KTD 11/08/99

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: LPX-SP-2046-0204-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: plastic core tube

Depth Interval Sampled: 2-4 feet

Sample Date & Time: 11/8/99 1630 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

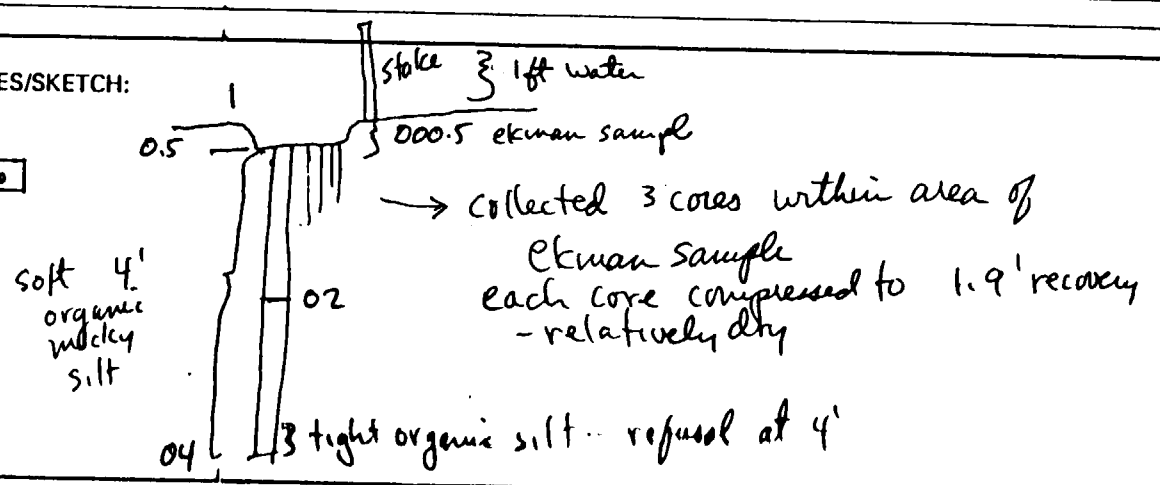
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) organic silt mucky

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: LPX-SD-2047-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: SIS Eckman Sampler

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/8/99 1352 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty organic muck

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM** X	101599	
TOC** X	G/27263060	G/25240080
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101594	
TAL METALS X	101594	
GRAIN SIZE** X		
Free Water*** X	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: Free water collected here.
- extra sediment volume collected at this location due to high water content.
- also collected lab QC sample at this location.
- Appears to be a 3' thick layer of muck in this ~~area~~ area.

BF 11/9/99

Tt NUS Form 0006A

DUPLICATE SAMPLE COLLECTED

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: LPX-SD-2048-000.5-01

Tetra Tech NUS Job No. N0400
QC Information: LPX-SD-DU-110999A (if applicable)

Sample Method: s/s eckman sampler

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/9/99 1050 hours DUP Time: 1100 hours
Sampler(s):
S. VETERE K.LUNDGREN B.FENNELLY K. O'NEIL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	X Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Organic silty sand with a lot of partially decayed leaf matter.

DIUF Water Lot#

SAMPLE DATA/REMARKS:

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM**	101599	
TOC**	G/27263060	G/25240080
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: Field Duplicate collected at this location.
extra volume for sample and duplicate collected at this location due to high water content.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CPX-SD-2048-0.5-2.0-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: Plastic Core Tube

Depth Interval Sampled: 0.5 - 2.0 feet

Sample Date & Time: 11/9/99 1115 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

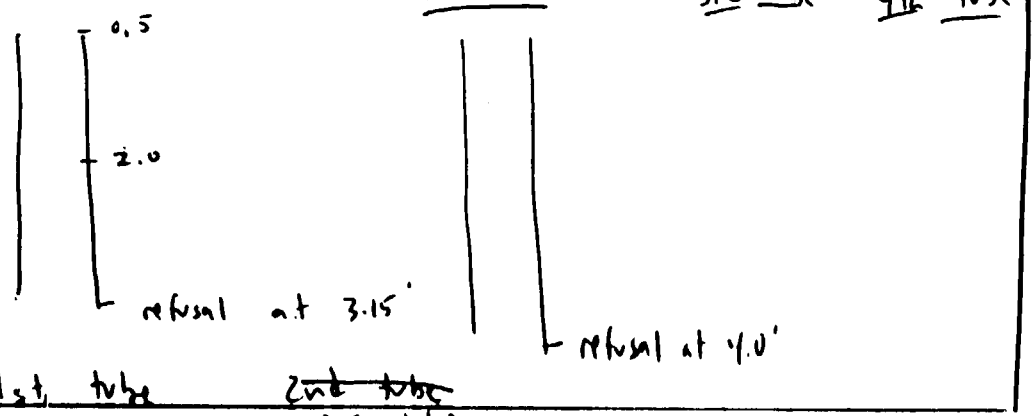
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) organic silty sand (muck)

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMX-SD-2048-0204-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: Plastic Core Tube

Depth Interval Sampled: 02-04 feet

Sample Date & Time: 11/9/99 1120 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty muck.

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240030
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: LPX-SD-2049-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: Eckman

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/05/99 11^15 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) fine sand w/silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/27263060 G/25240080
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** ✓	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected here

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: LPX-SD-2050-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: Eckman

Depth Interval Sampled: 0 - 0.5 feet

Sample Date & Time: 11/5/99 1040 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Organic Muck

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM** X	101599
TOC** X	G/272&3060 G/252400&0
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE** X	
Free Water*** X	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Free water collected here

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~[illegible]~~ LPX-SD-2051-01
BG 11/4/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: 3/s Ekman sampler

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/4/99 1615 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEIL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	X Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) organic muck

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: duplicate ID: LPX-SD-110499A

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH:
AVS/SEM**	101599	
TOC**	G/27263060 G/25240030	
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: LPX-SD-2052-000.5-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: SIS Eckman sampler

Depth Interval Sampled: 0.0 - 0.5 feet

Sample Date & Time: 11/4/99 1130 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Muck, dark brown.

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH:
AVS/SEM**	101599	
TOC**	G/2726 3060 G/2524 0030	
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101594	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ LPX-SD-2052-0.504-01
~~LPX~~ BRF 11/4/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: 10' Plastic Core Tube

Depth Interval Sampled: 0.5-4 feet

Sample Date & Time: 11/4/99 1420 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

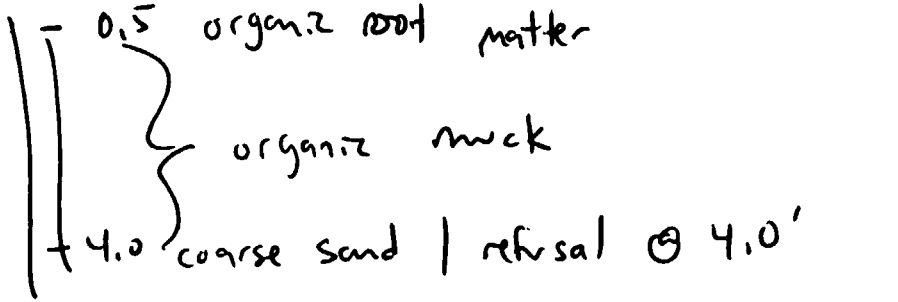
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) see below

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: 1.5" diameter gravel @ 4.0'
4' of penetration; 1' of recovery

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM**	101599	
TOC**	G/27263060	G/25240030
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH:



TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: LPX-SD-2053-0004.5-01

Tetra Tech NUS Job No. N0400
QC Information: LPX-SD-DUP-11499 (If applicable)

Sample Method: S/S Eckman Sampler

Depth Interval Sampled: 0-0.5 feet

Sample Date & Time: 11/4/99 1230 hours DUP Time: 1240 hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate collected
- ___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) ~~muck~~ silty muck

DIUF Water Lot# (P) 11/4/99

SAMPLE DATA/REMARKS:

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM** X	101599	
TOC** X	G/2726306D	G/252400 50
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101599	
TAL METALS X	101599	
GRAIN SIZE** X		
Free Water*** X	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: Free water collected here

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ LPX-SD-2053-0502-01 11/4/99 BRF

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: 10' plastic core tube

Depth Interval Sampled: 0.5 - 2.0 feet 11/4/99 BRF

Sample Date & Time: 11/4/99 1500 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty, organic muck w/sand

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH:
AVS/SEM**	101599	
TOC**	G/273063060 G/252400380	
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS- LMX-SD-2053-0204-01
BAF 11/4/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: 10' Plastic Core tube

Depth Interval Sampled: 2-4 feet

Sample Date & Time: 11/4/99 1500 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) organic silt w/ sand

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: refusal / gravel @ 4'

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27203040 G/25240030
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS:~~ WRM1-SD-2054-01 EP

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger
Depth Interval Sampled: 0-0.5 feet
Sample Date & Time: 12/2/99 930 hours DUP Time: _____ hours
Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Brian O'Connell
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- 3 Soil
- X Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Moist silt, dark brown

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX X	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-004-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0 - 1 feet

Sample Date & Time: 11/18/99 1445 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

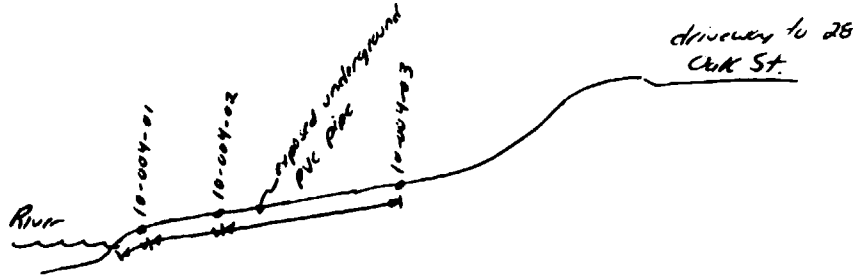
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) moist brn silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP + dioxin samples

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample locations tail along traverse bearing N 66° E

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-004-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1440 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) same as RES-SS-10-004-03

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-004-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-004-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1435 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dry tan silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240020
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-004-01 for Sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-005-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1505 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

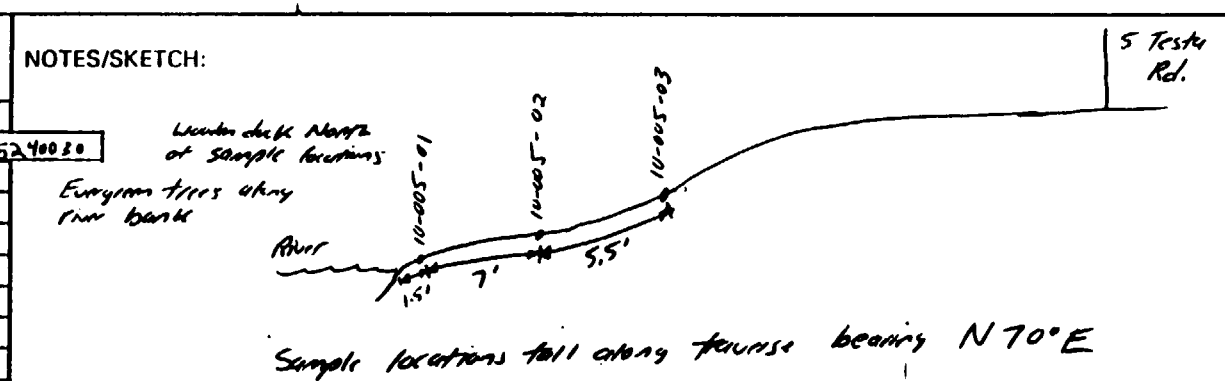
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn clayey silt, abundant roots + organic matl, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP + dioxin samples

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272030G0 G/252400 30
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample locations fall along transect bearing N 70° E

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-005-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1500 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K. LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) same as RES-SS-10-005-03

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263040 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet for RES-SS-10-005-01 for sketch SD 11/18/99

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-005-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1455 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: Seth Pelepko
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dry brn silt, some gravel
SP 11-19-99

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM**	101599	
TOC**	G/27263060	G/25240080
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-005-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-042-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1535 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

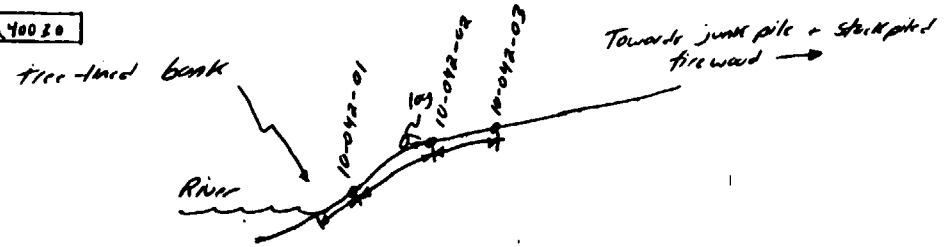
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn silt, sm. gray silty sand, moist, roots

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP + dioxin samples.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630/0 G/252400 20
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-042-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1530 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: Seth Velgos
Signature

PID Monitor Reading: 00 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Same as RES-SS-10-042-03

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-042-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-042-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S ~~S~~ Trowel SP 11-16-99

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1525 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dry dk brn silt, roots

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-044-01

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DU-111999A (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 0935 hours DUP Time: 0940 hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate collected
- ___ Other (Specify): ___

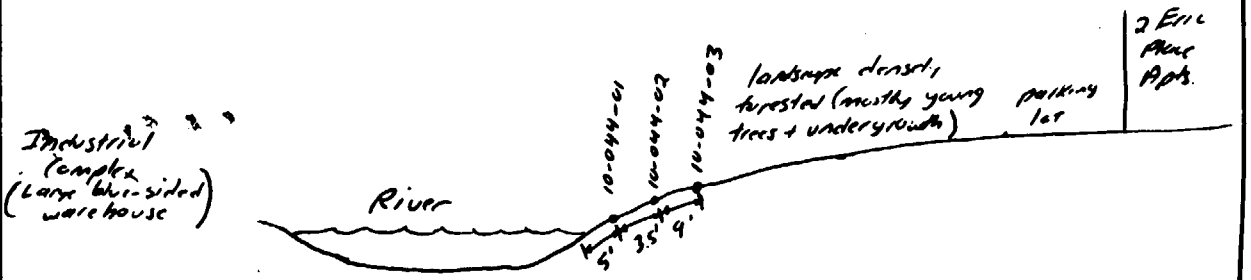
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn wet silt, sm gravel, roots

DIUF Water Lot# ___

SAMPLE DATA/REMARKS: Collect CLP dioxin + dioxin duplicate samples

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample locations fall along traverse bearing N55°E

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-044-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 0920 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) moist brn silt, tr gravel

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect duplicate sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-044-01 for Sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-044-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 0915 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: Scott Johnson
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dry brn clayey silt, thin layer of organic matl near surface

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-044-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CES-SS-10-053-01

Tetra Tech NUS Job No. N0400
QC Information: CES-SS 12049C (if applicable)

Sample Method: hand auger
Depth Interval Sampled: 0-1 feet
Sample Date & Time: 12/02/99 940 hours DUP Time: 942 hours
Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
Data Recorded By: [signature] Signature
PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

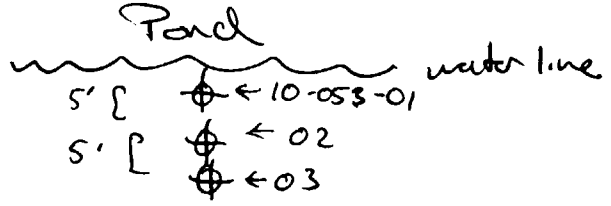
- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) it is very gravely sand
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB X	
DIOXIN/HCX X	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Duplicate QC taken here



PARKING LOT

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-053-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/02/99 935 hours DUP Time: _____ hours

Sampler(s): (S. VETERE) K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Fennelly
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
___ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) gravelly sand

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX X	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-053-03

Tetra Tech NUS Job No. N0400
QC Information: RES SS-12021 FA (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0 - 1 feet

Sample Date & Time: 12/02/99 8:30 hours DUP Time: 8:32 hours

Sampler(s): (S. VETERE) K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Kim Fennelly
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) light brown gravelly sand

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX X	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Dioxin dupe collected here

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-06E-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1045 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

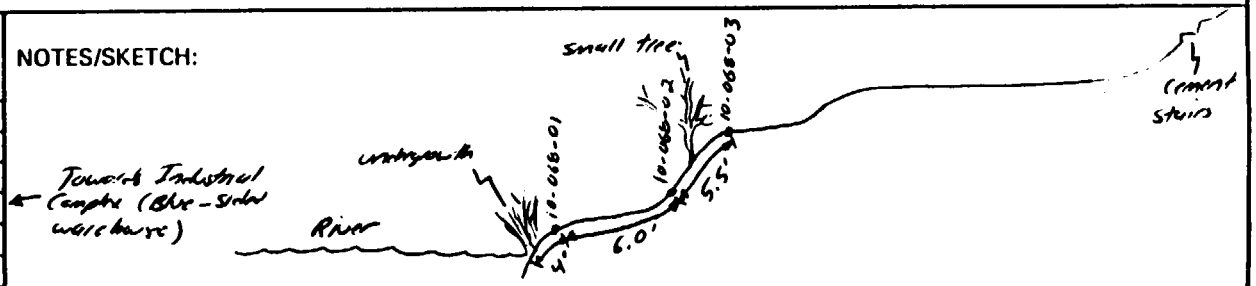
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dry tan sandy silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP + dioxin samples.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample locations fall along traverse bearing N 71° E.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-068-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1040 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- X Equipment Blank* (SP 11/19/99)
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dry brn sandy silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect duplicate sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-068-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-068-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1033 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dry brn sandy silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-068-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-074-01

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DU-111999B (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1105 hours DUP Time: 1110 hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
S. PELIGRO

Data Recorded By: Scott Peligro
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil		Trip Blank*
X	Sediment		Equipment Blank*
	Composite	X	Field Duplicate collected
X	Grab		Other (Specify):

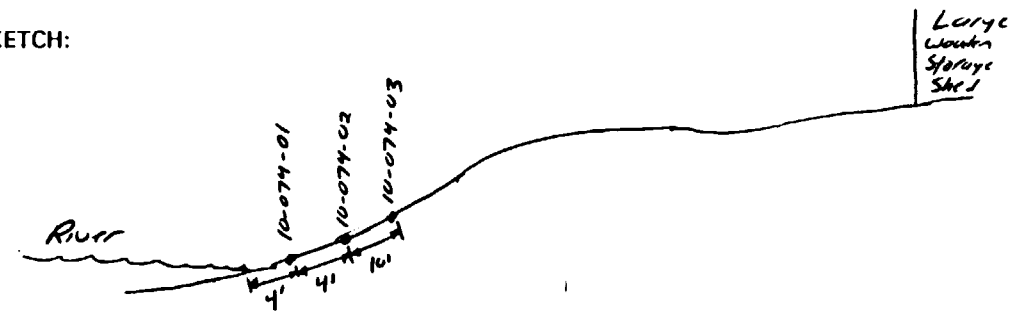
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn sandy silt, tr. gravel + glass frags., wet

DIUF Water Lot#

SAMPLE DATA/REMARKS: Collect CLP, dioxin, + dioxin duplicate samples.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample locations fall along traverse bearing N 44°E.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-074-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1100 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn silt, sm. gravel, dry, sm. glass fragments

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-074-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-074-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1055 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- [X] Soil
- [X] Sediment
- [ ] Composite
- [X] Grab
- [ ] Trip Blank*
- [ ] Equipment Blank*
- [ ] Field Duplicate collected
- [ ] Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn silt, sm. gravel, dry

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-074-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-075-01

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DU-111999C (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1135 hours DUP Time: 1140 hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: Seth Johnson
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	X Field Duplicate collected
X Grab	___ Other (Specify): ___

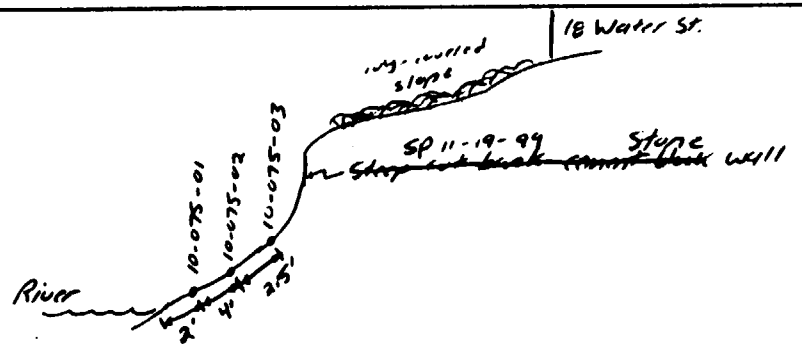
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn clayey silt, moist

DIUF Water Lot# ___

SAMPLE DATA/REMARKS: Collect CLP, dioxin, + dioxin duplicate samples

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample points fall along transect bearing N53°E

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-075-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1130 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: Scott Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dry brn sandy silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: ~~A~~ Split Collect dioxin sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-075-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-075-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1127 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dry brn sandy silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect duplicate sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-075-01 for Sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-076-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1210 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: Scott Pelepko
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

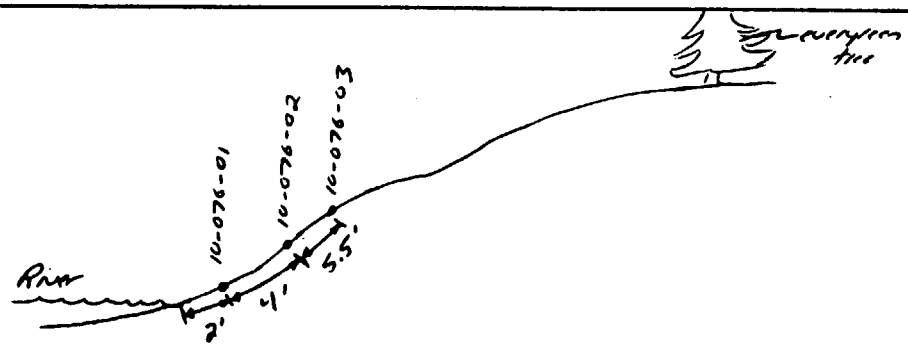
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn sandy silt wet, glass fragments

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP + dioxin samples.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample locations fall along traverse bearing N61°E.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-076-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1205 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: Seth Pelepko
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn dry silt, tr. sand + gravel

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-076-01 for Sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-10-076-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1200 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: Scott Pelepko
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dry brn sandy silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-076-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE SO 11-18-99
Sample ID: RES-SS-10-~~044~~-01 604

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DU-111899F (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1615 hours DUP Time: 1620 hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
S. PELEDKO

Data Recorded By: Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate collected
- ___ Other (Specify): ___

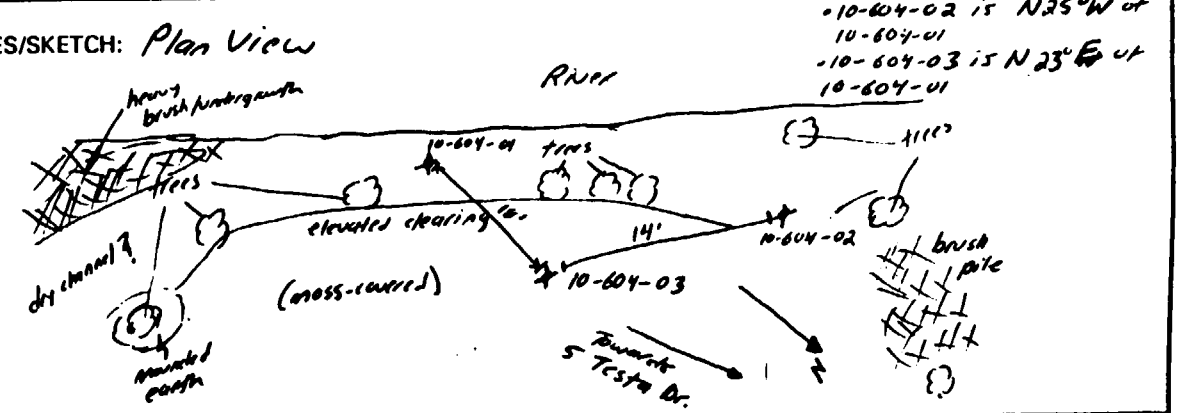
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) ~~Red-brn silty clay~~ moist brn silty clay SP 11-18-99

DIUF Water Lot# ___

SAMPLE DATA/REMARKS: Collect ccP + dioxin samples. Dioxin duplicate sample also collected at location

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Plan View



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE SP 11-18-99
Sample ID: RES-SS-10-~~044~~-02 604

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1600 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. Pelepko)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) moist brn silty clay

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-10-~~044~~-01 604 SP 11-18-99 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE SP11-10-91
Sample ID: ~~CMS~~ RES-55-10-~~044~~-0203 604

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/91 1555 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEAK)

Data Recorded By: Seth Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) moist brn silty clay

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-55-10-~~044~~-01 604 SP11-10-91 for Sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ RES-SS-11-011-01
(KW) 12/2/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 1547 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kevin Lundgren
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brown silt w/ trp, sand and bottles

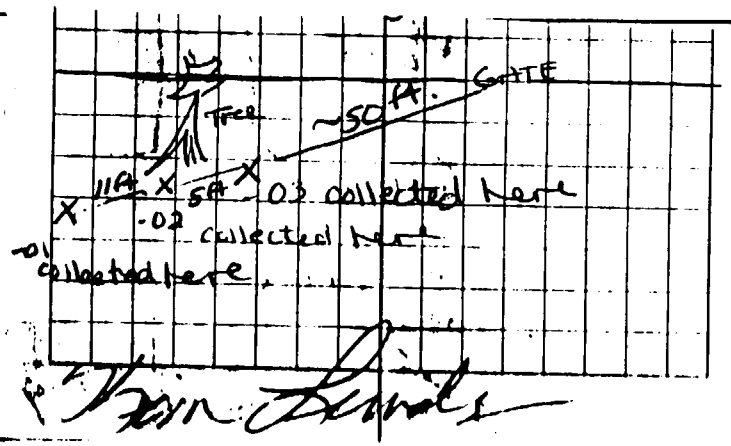
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272c3060 G/252400 80
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

FROM FIELD LOGBOOK ENTRY 12-2-99



Kevin Lundgren

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-011-02 FD 121299

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 15 43 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: _____ Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) organic silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH:
AVS/SEM**	101599	
TOC**	G/27263060 G/25240080	
SVOC/Pest/PCB	101599	
DIOXIN/HCX X	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

Tt NUS Form 0005A

Page ___ of ___

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~: RES SS-11-011-03
(KO) 12121999

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DUP-120299D (if applicable)

Sample Method: hand auger
Depth Interval Sampled: 0-1 feet
Sample Date & Time: 12/2/99 1539 hours DUP Time: 1541 hours
Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
Data Recorded By: Kim Lundgren
Signature
PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) poorly graded dark brown sand, resembles TP-SC-1
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272e3040 G/252400 80
SVOC/Pest/PCB	101599
DIOXIN/HCX X	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Dioxin Duplicate collected here (D)

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ RES-SS-11-012-01 (W) 12/2/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 1533 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Silt with gravel

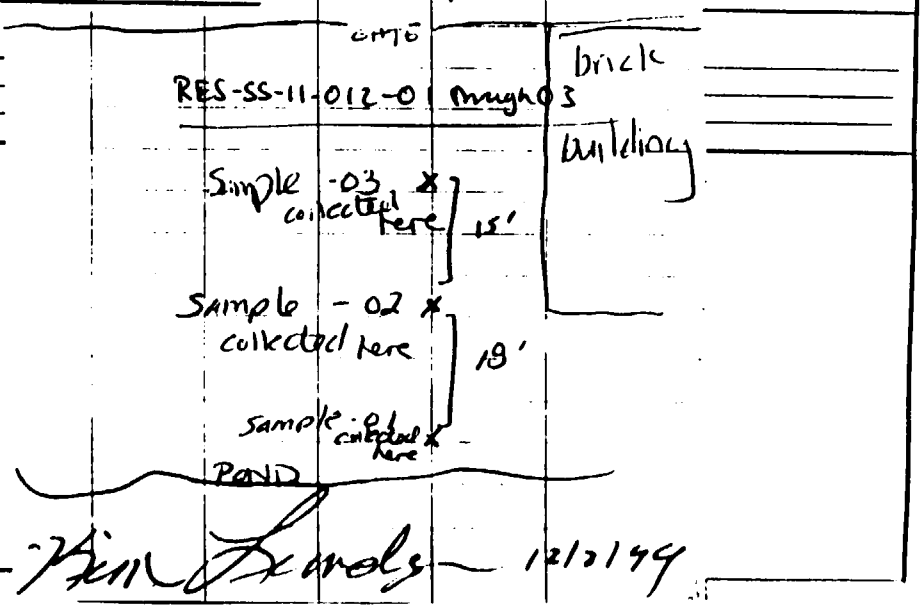
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272030G0 G/252400 30
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

SKETCH TAKEN FROM FIELD LOGBOOK Entry 12-2-99



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS:~~ RES-SS-11-012-02
(W) 1212199

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 15[24] hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: _____ Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) ~~Mucky~~ dark brown silt @ 12/2/99

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240020
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: See Sample Log Sheet for RES-SS-11-012-01

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ RES-SS-11-012-03 (W) 12121999

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 1130 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Silt with gravel

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272c3060 G/252400 80
SVOC/Pest/PCB	101599
DIOXIN/HCX X	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: See Sample logsheet for RES-SS-01-012-01

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ RES-SS-11-328-01

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DV-111099D (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/10/99 1115 hours DUP Time: 1120 hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
S. PELEPKO

Data Recorded By: Signature

PID Monitor Reading: 00 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate collected
- ___ Other (Specify): ___

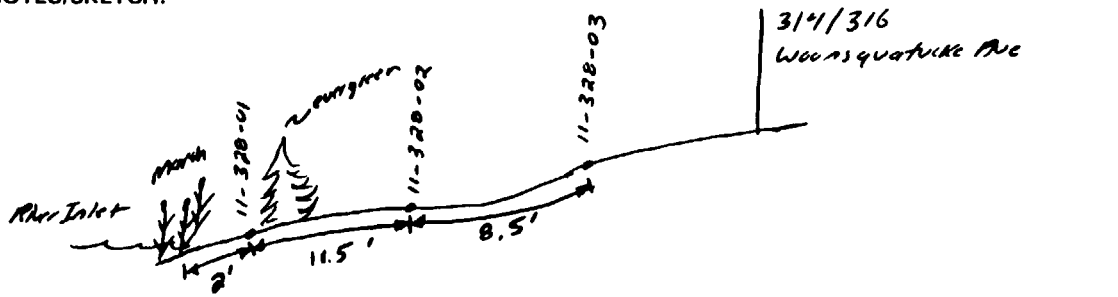
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn organic-rich Silt, wet

DIUF Water Lot# ___

SAMPLE DATA/REMARKS: Collect CLP, dioxin, + dioxin duplicate samples.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample locations all along transect bearing S61°E

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~GMS-~~ RES-55-11-328-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1110 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Gravelly silt (brn), damp

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-55-11-328-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ RES-SS-11-328-03

Tetra Tech NUS Job No. N0100
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1105 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 00 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn gravelly silt, dry

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-328-01 for SKETCH.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-55-11-396-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1605 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PELERKO

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

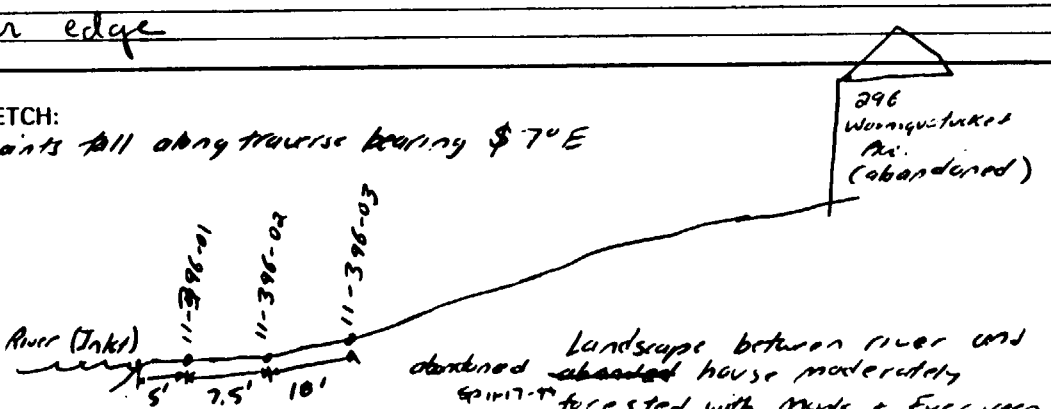
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn silt loam w/ v. fine brn sand trace, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: collect CLP + dioxin at location
collected 5' from water edge

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:
Sample points fall along traverse bearing S 7° E



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-396-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1600 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn silt loam, dry

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: collect duplicate at location

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-396-01 for Sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-396-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/94 1555 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ____ Composite
- X Grab
- ____ Trip Blank*
- ____ Equipment Blank*
- ____ Field Duplicate collected
- ____ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn silt loam, dry

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin at location

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-396-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-419-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1340 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn silt, sm gravel, gray silty sand near bottom of interval, wet

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP, dioxin samples.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

To Asphalt Plant



Sample locations fall along transverse bearing S 75° E

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-419-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1335 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEATO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	____ Trip Blank*
____ Sediment	____ Equipment Blank*
____ Composite	____ Field Duplicate collected
X Grab	____ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dump brn sandy silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-419-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-419-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 1330 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) damp brn sandy silt, sm. gravel

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-419-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-420-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0 - 1 feet

Sample Date & Time: 11/17/99 1440 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
S. PEREPKA

Data Recorded By: Scott [signature] Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn sandy silt, sm. clay, moist

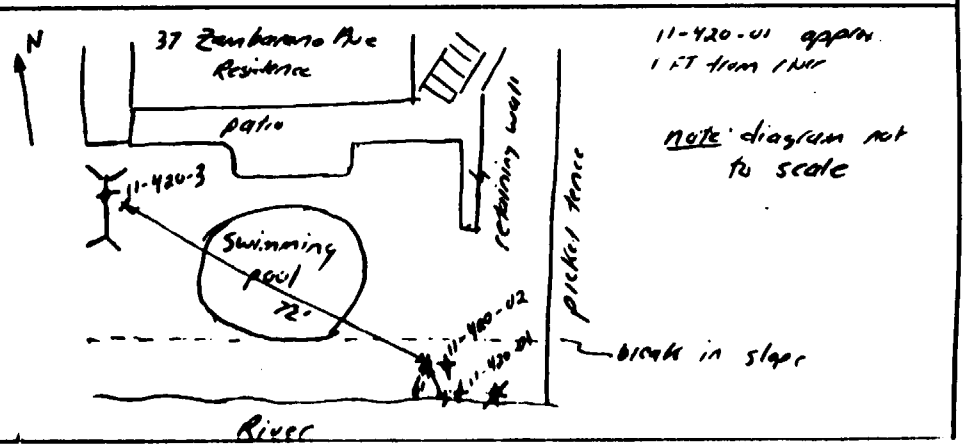
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: CLP + dioxin samples collected

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Compass Readings:
From 1 to 2
N 10°E
From 2 to 3
N45°W



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-420-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1435 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) (K. O'NEILL) (circle appropriate)
(S. PELEPKO)

Data Recorded By: Scott Velepko
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn sandy silt, dry

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample at location

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-420-02 for sketch.

Tt NUS Form 0005A

DUPLICATE SAMPLE TAKEN (DIOXIN ONLY)

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-420-03

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DU-111799E (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1425 hours DUP Time: 1430 hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELFREY)

Data Recorded By: Scott Volpe
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn sandy silt, dry

DIUF Water Lot# ___

SAMPLE DATA/REMARKS: Collect dioxin + dioxin duplicate RES-SS-DU-111799E samples at location. Samples collected from under swing set at resident's request.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-420-01 for Sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-420-04

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop
Depth Interval Sampled: 0-1 feet
Sample Date & Time: 11/17/99 1520 hours DUP Time: _____ hours
Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
Data Recorded By: K O'Neill (Signature)
PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

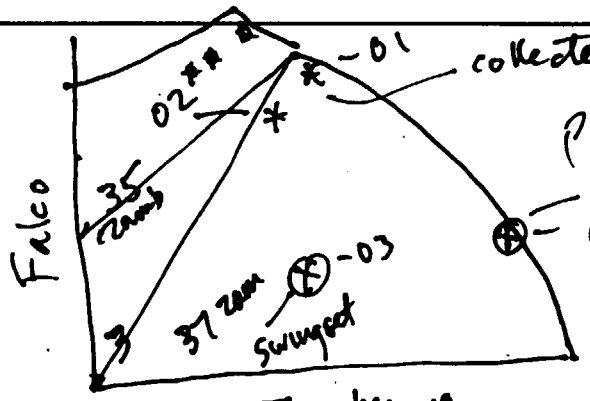
- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Silty Sandy loam - wet
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Dioxin only

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: See Site Logbook



collected here per owners info of low area
Pond
Approx 1' from water edge steep slope
-04 - collected -04 per KTO request to S. Parker. Due to large waterfront area low spot being more prone like. 04 gives better distribution

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-422-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1520 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

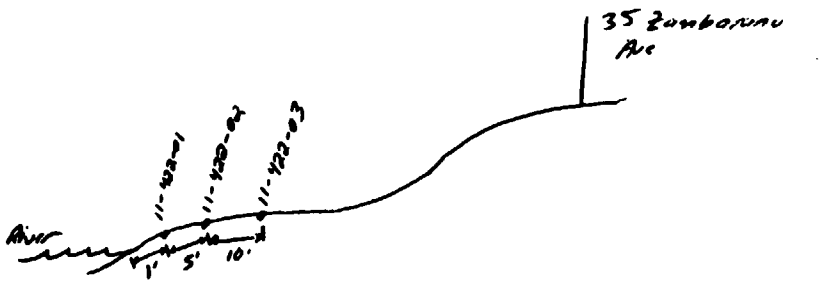
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn silt, sm. gravel, wet

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP + dioxin at location

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample locations tall along traverse bearing N 3° W

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-422-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0 - 1 feet

Sample Date & Time: 11/17/99 1515 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Same as RES-422-03

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample at location.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-422-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE @ 11-17-99
Sample ID: RES-SS-11-422-~~02~~ 03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1510 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
S. PELECKO

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil KTO 2-18-00	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn sandy silt, dry

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin at location.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-422-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE 11-423
Sample ID: RES-SS-11-423-01
4 SP 11-16-99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1505 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

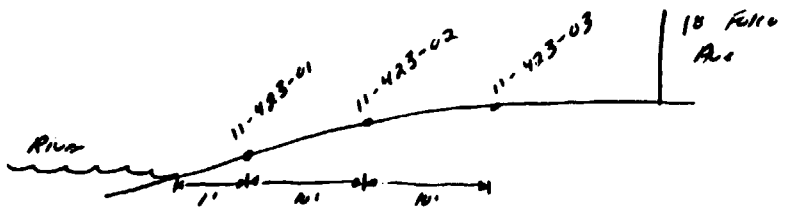
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 4"-5" thin silt loam, 4" thin sand, 2"-3" thin gray sand, moist→wet
11-16-99

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE 11-423
Sample ID: RES-SS-11-R23-02
4 of 11-16-94

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/94 1502 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
S. Pdopke

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 4"-5" dk brn silt loam, 7"-8" lt brn sand

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-423-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-55-11-423-03 II-423
4 SP 11-16-99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1500 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. Arlepate)

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Same as RES-55-11-423-02

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-55-11-423-01 for Sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-55-11-424-0301
4 SP 11-16-99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1535 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
S. Alcott

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
____	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 3"-4" dk. brn silt loam, damp, 8"-9" grey sand, wet

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-55-11-424-03 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-424-02 (duplicate 4)
Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel
Depth Interval Sampled: 0-1 feet
Sample Date & Time: 11/16/99 1525 hours DUP Time: _____ hours
Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate) S. Pilgrim
Data Recorded By: Seth [signature] Signature
PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 3"-4" dk brn silt loam, 8"-4" lt brn sand dump
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-424-03 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-#24-02 (4 Sp 11-18-99)

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0 - 1 feet

Sample Date & Time: 11/16/99 1515 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. Prendergast)

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

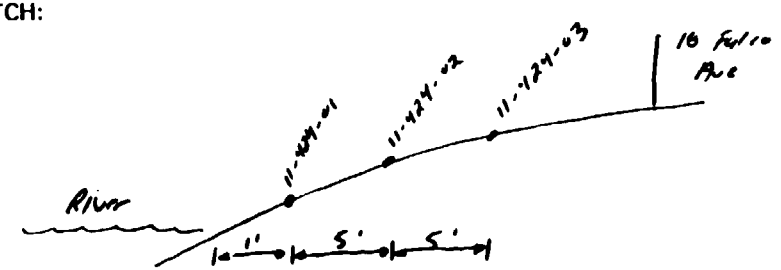
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 2"-3" dk. brn silt loam, 9"-10" H. brn sand, clump

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

DUPLICATE SAMPLE COLLECTED (CLP ONLY)

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RES-SS-11-425-01

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DU-111799B (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 0905 hours DUP Time: 0910 hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEMO)

Data Recorded By: Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate collected
- ___ Other (Specify): ___

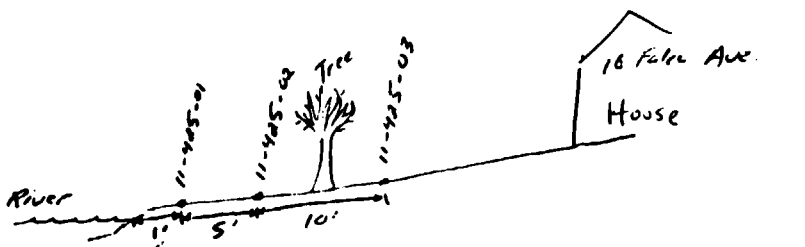
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn silty sand, tr. clay, moist

DIUF Water Lot#

SAMPLE DATA/REMARKS: Collect CLP, dioxin, and CLP duplicate RES-SS-DU-111799-B.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample points full along traverse bearing N35°E

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-425-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 0958 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEAKE)

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn sandy silt, dump

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-425-01 for sketch

Tt NUS Form 0005A

DUPLICATE SAMPLE COLLECTED (DIOXIN ONLY)

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-425-03

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DU-111799A (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/11/99 0950 hours DUP Time: ~~0955~~ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: Scott Jeffries
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate collected
- ___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Brn silty sand w/ sm gray sand, dry

DIUF Water Lot# ___

SAMPLE DATA/REMARKS: Collect dioxin + duplicate dioxin sample RES-SS-DU-111799-A

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-425-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS - 11-426-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 0930 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL S. PELEPKO (circle appropriate)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

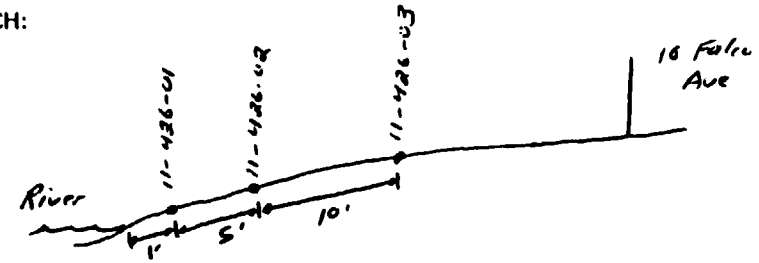
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet Etc.) ~~2"-4" dk. brn silt loam, 0"-4" brn silty sand, clump~~ dk brn silty sand & gravel, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP & dioxin samples

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample points fall along transect to 112°E

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-426-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0 - 1 feet

Sample Date & Time: 11/17/99 0935 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) (K. O'NEILL) (circle appropriate)
(S. PELLETKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 2"-4" dk brn silt loam, 4"-8"-10" brn silty sand, tr. gravel, damp

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-426-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-427-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1619 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

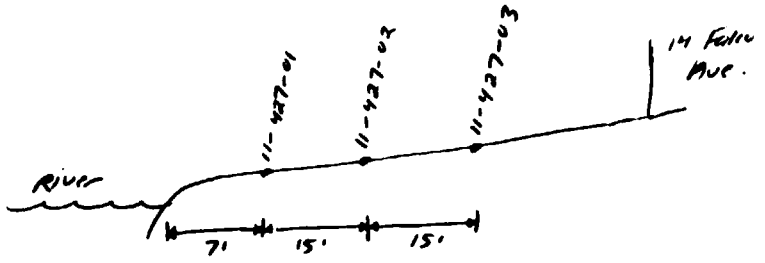
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Gravelly/grass, concrete till in brn silt mottle, sm sand, dry

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-427-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1615 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Same as RES-SS-11-427-03

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-427-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-427-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1605 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn silt loam w/ sm. gravel, damp

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-427-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~GMS~~ - RES-SS-11-486-01

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DU-11099C (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1050 hours DUP Time: 1055 hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate collected
- ___ Other (Specify): ___

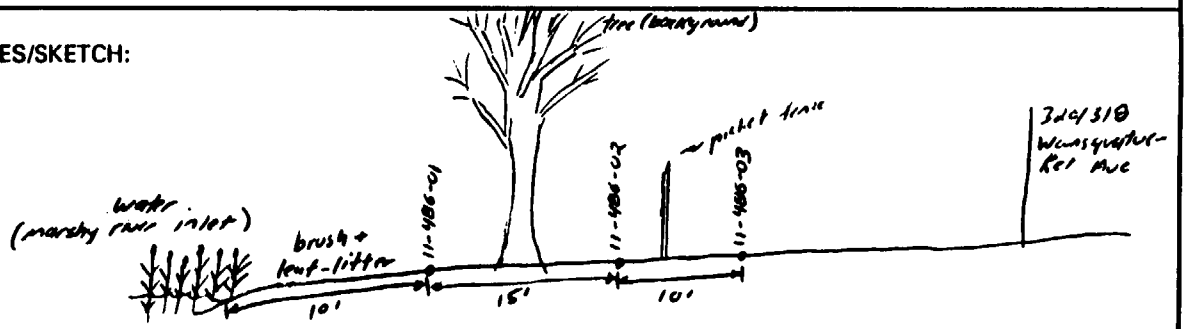
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn silt ~~loam~~, clay, wet, abundant organic material

DIUF Water Lot#

SAMPLE DATA/REMARKS: Collect CLP, dioxin, + dioxin duplicate samples

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample locations fall along transect bearing S 75°E.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~EMS~~ RES-SS-11-486-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1045 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn silt loam, damp

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-486-01 for Sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ RES-SS-11-486-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1040 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: Scott Pelepko
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn silt loam, dump

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect triplicate sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-486-01 for Sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-4289-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0 - 1 feet

Sample Date & Time: 11/17/99 1010 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

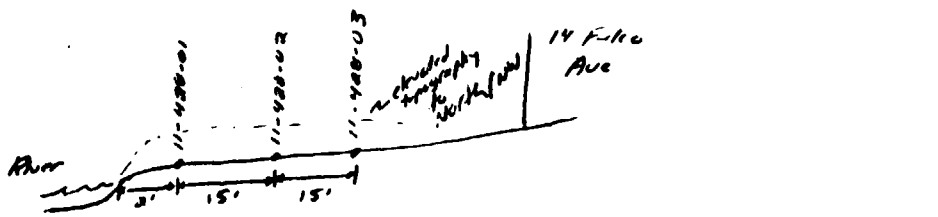
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) lt brn silt, sm. clay + gravel, moist, tr. brick frags (fill)

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP + diuxin samples

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample locations intercepted by traverse bearing N 43° E

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-428-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1000 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. HLEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn silt, sm. clay & gravel, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect diuxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-428-01 for SKETCH

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-428-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 0950 hours DUP Time: 0955 hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PERERA

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	X Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) lt. brn sandy silt, dry

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: dioxin + dioxin duplicate RES-SS-DU-111799-C collected at location

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-428-01 for Sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-429-G (Garden)

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1010 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) (K. O'NEILL) (S. PELEPKO) (circle appropriate)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ✓ Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

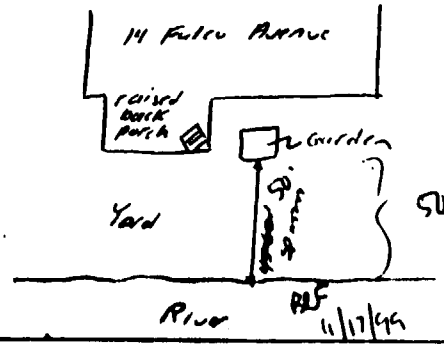
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn shm - purchased topsoil

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Dioxin sample collected from resident's garden as requested by resident (14 Fulco Avenue)

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Plan View



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-429-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1025 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

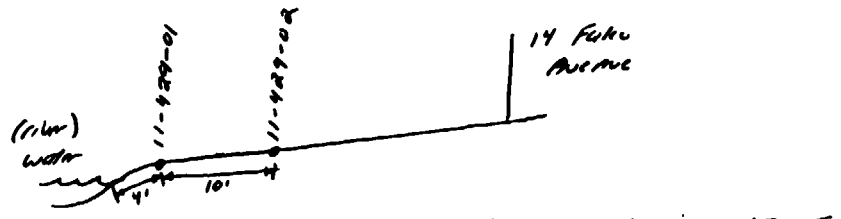
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) gray-brn silty sand, some brick frags (fill)

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP + dioxin samples

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample locations intercepted by magnetic bearing 1130°E

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-429-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1020 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn silt, sm. clay

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect diuin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-429-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RES-SS-11-426-0.3

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 0915 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) (K. O'NEILL) _____ (circle appropriate)
G. PELECHO

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) ~~Sandy~~ dk. brn silt loam, ~~Clayey~~ brn silty sand, fr. grain, damp 6"-8" 4"-6"

DIUF Water Lot# _____ SP 11-17-99

SAMPLE DATA/REMARKS: Collect Duplicate Sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-426-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RES-SS-11-430-01
BRF - 11/17/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1130 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

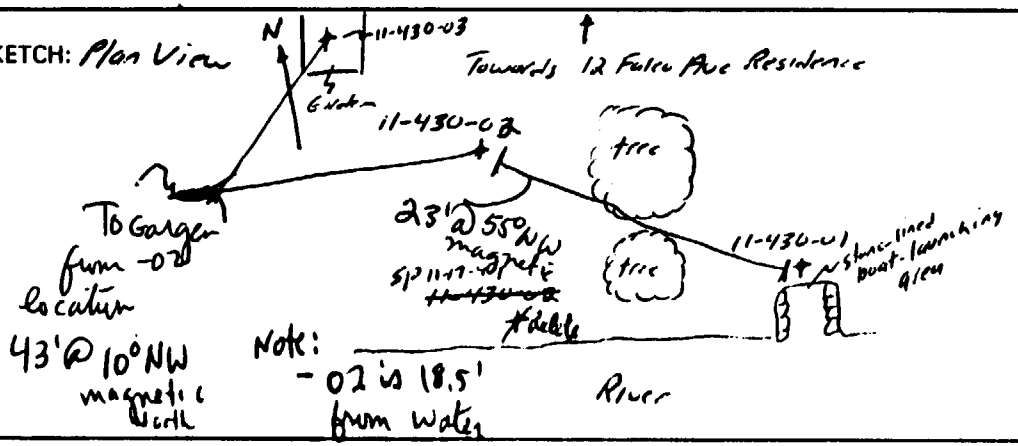
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 2" brn sandy silt, 10" gray fine sand, moist/wet

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP + dioxin samples at location. Collect 11-430-03 from yard as directed by resident at 12 Fuller Ave.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Plan View



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-430-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1120 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
S. PELEMO

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Sandy silt w/ trace gravel, brn.

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: dioxin sample collected at location

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to RES-SS-11-430-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-430-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1115 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PELCHAT

Data Recorded By: Scott Lafayette
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) ~~Sandy~~ silt w/ some gravel, brown
BDF 11/17/99

DIUF Water Lot#

SAMPLE DATA/REMARKS: dioxin sample collected at location. Collect sample from garden as directed by resident at 12 Falco Ave.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-430-01 for sketch

GARDEN SAMPLE

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-431-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1140 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEAZY)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ✓ Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

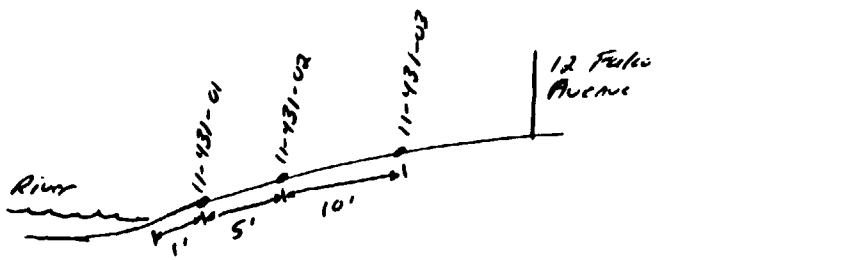
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 2"-3" dk brn silt loam, 5"-6" dk brn sandy silt, 3"-4" gray silty sand, some → sm. gravel wet

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: QA/QC + dioxin samples collected at location

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sample points intercepted by traverse bearing N15°E

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-11-431-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1140 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEAK)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 2"-3" dk brn silt loam, 3"-9" brn sandy silt, sm. clay, 1" brn-gray silty fine sand, damp → wet

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: dioxin sample collected at location

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-431-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RES-55-11-431-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1130 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: Scott Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
X Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 8"-9" dk brn clay loam, 3"-4" brn silty clay, damp → moist w/ depth

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: dioxin sample collected at location

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-55-11-431-01 for Sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-432-01

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-QU-111844B (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 0920 hours DUP Time: 0925 hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PIELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- [X] Soil
- [X] Sediment
- [ ] Composite
- [X] Grab
- [ ] Trip Blank*
- [ ] Equipment Blank*
- [X] Field Duplicate collected
- [ ] Other (Specify): _____

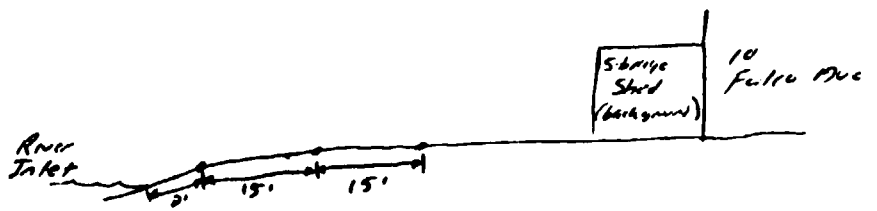
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Varved silt, moist, abundant organic mat.

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP, dioxin, + dioxin duplicate

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Samples collected along transect bearing N9°E

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-432-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 0915 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEAKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn silt, dry

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-432-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-432-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 0910 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ (Seth ...) Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- [X] Soil
- [X] Sediment
- [ ] Composite
- [X] Grab
- [ ] Trip Blank*
- [ ] Equipment Blank*
- [ ] Field Duplicate collected
- [ ] Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn silt, dry

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-432-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~GMS-~~ RES-SS-11-433-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 0945 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
S. PELEPKO

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn silt, abundant organic material, wet

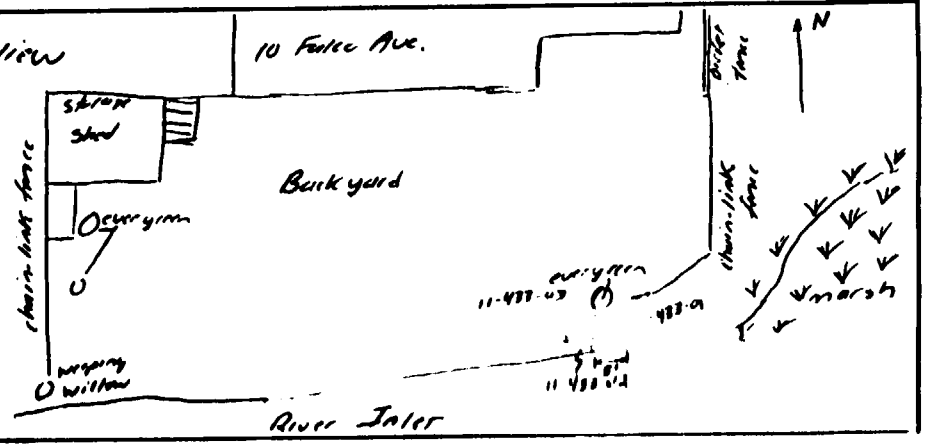
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP + dioxin samples.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Plan View

Orientation between Sample locations:
11-433-02 is due west of 11-433-01
11-433-03 is ~~due~~ 40° NW of 11-433-02



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ RES-SS-11-433-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 0955 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- [X] Soil
- [X] Sediment
- [ ] Composite
- [X] Grab
- [ ] Trip Blank*
- [ ] Equipment Blank*
- [ ] Field Duplicate collected
- [ ] Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn silt, abundant organic mat'l, moist, tr. sand

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-11-433-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~GMS-~~ RES-SS-11-433-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1000 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn silt, organic matl, moist, trace debris

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-433-01 sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: GMS- RES-SS-11-497-01
(W) 12121199

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 1455 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)

Data Recorded By: Ken Fennelly
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) light silty sand, mostly gravel

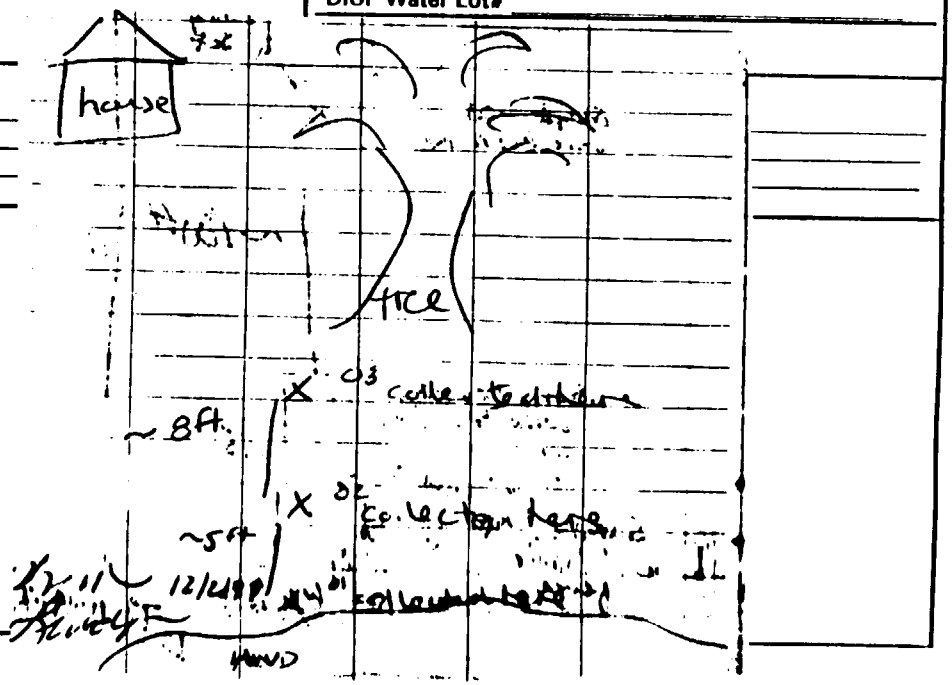
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272&3060 G/252400 80
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

FIELD SKETCH COPIED FROM SITE LOG ENTRY 12-2-99



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ RES-SS-11-497-02
(RW) 12/2/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0-1 feet (1 ft)

Sample Date & Time: 12/2/99 2^50 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: _____ Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty, sand w/gravel

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240050
SVOC/Pest/PCB	101599
DIOXIN/HCX ✓	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to sample log sheet for RES-SS-11-497-01

Tt NUS Form 0005A

Page ___ of ___

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE

Sample ID: CMS-RES-SS-11-497-0[illegible]

(EU) 12/2/99

Tetra Tech NUS Job No. N0400

QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0 feet

Sample Date & Time: 12/2/99 1345 (1445) hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272603060 G/252400850
SVOC/Pest/PCB	101599
DIOXIN/HCX X	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to sample log sheet for RES-SS-11-497-01

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-S77-01

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DU-111099E (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1405 hours DUP Time: 1410 hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- [X] Soil
- [X] Sediment
- [ ] Composite
- [X] Grab
- [ ] Trip Blank*
- [ ] Equipment Blank*
- [X] Field Duplicate collected
- [ ] Other (Specify):

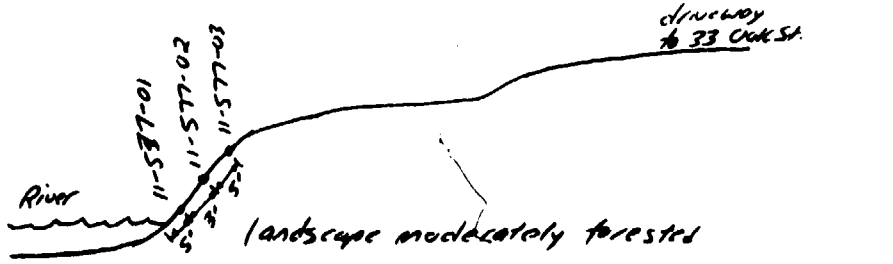
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn silt, moist, abundant roots

DIUF Water Lot#

SAMPLE DATA/REMARKS: Collect CLP, dioxin, + dioxin duplicate samples

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630G0 G/252400B0
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-55-11-577-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1400 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) same as RES-55-11-577-03

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-55-11-577-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-11-577-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/18/99 1355 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

11-18-99
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) ~~dry~~ moist brn silt, abundant roots

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect dioxin sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/273063060 G/252400380
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-11-577-01 for sketch.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-12-239-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0 - 1 feet

Sample Date & Time: 11/16/99 1110 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): _____

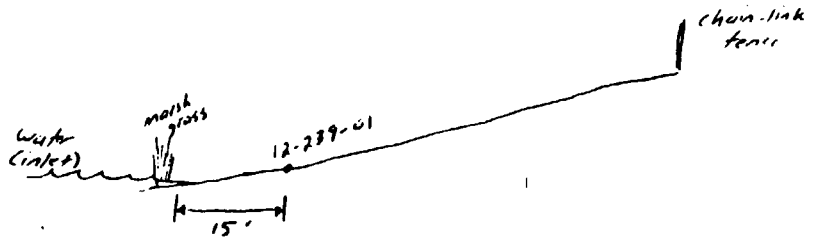
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn sandy silt with organic matl, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630 60 G/252400 80
SVOC/Pest/PCB	101599
DIOXIN/HCX	101594
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

DUPLICATE SAMPLE COLLECTED (DIOXIN ONLY)

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-12-240-01

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DU-111699C (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1045 hours DUP Time: 1050 hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
S. PERERA

Data Recorded By: Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

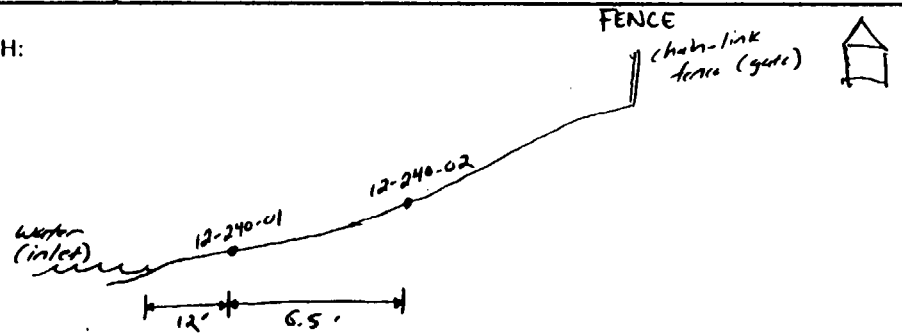
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn silt, moist

DIUF Water Lot#

SAMPLE DATA/REMARKS: Collect dioxin duplicate sample RES-SS-DU-111699-C at location SAMPLE COLLECTED 12' from water edge

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-12-240-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 ~~1050~~ 1055 SP hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn silt, organic matl (leaf litter), fr. sand, moist

DIUF Water Lot#

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263040 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-12-240-01 for Sketch of location

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-12-550-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 0940 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEMO)

Data Recorded By: Seth [signature] Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

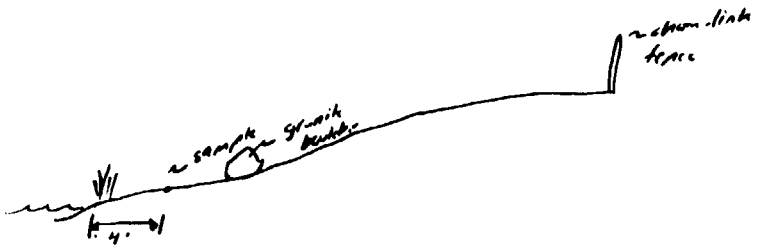
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn silt, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM**	101599	
TOC**	G/27263060	G/25240080
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-12-551-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0 - 1 feet

Sample Date & Time: 11/16/99 0925 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ✓ Soil
- ✓ Sediment
- ___ Composite
- ✓ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

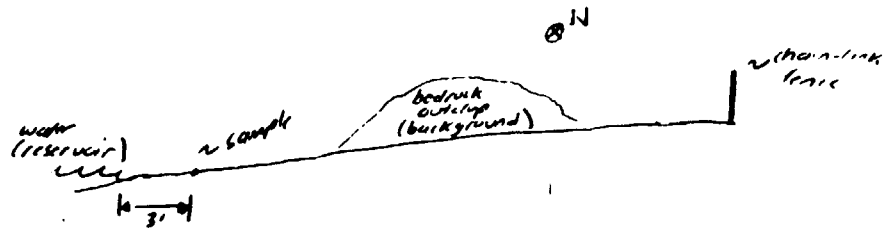
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn sandy SILT, some gravel, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RCS-SS-12-552-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 11/16/99 feet

Sample Date & Time: 11/16/99 0835 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B.FENNELLY K. O'NEILL S. Pelepko (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Silty Sand, brown, moist.

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM**	101599	
TOC**	G/27263060	G/25240080
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	

-d &

NOTES/SKETCH: ~~Reject to SA~~

DUPLICATE SAMPLE TAKEN

Page 1 of 1

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-12-553-01

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DV-111699A (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0 - 1 feet

Sample Date & Time: 11/16/99 0820 hours DUP Time: 0825 hours
Sampler(s):
S. VETERE K.LUNDGREN B. KENNELLY K. O'NEILL (circle appropriate) Seth Pelpka

Data Recorded By: Brian Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil GIF 11/16/99
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate collected
- ___ Other (Specify): ___

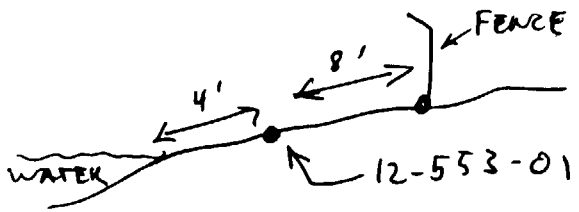
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty sand, brown w/gravel

DIUF Water Lot# (not list)

SAMPLE DATA/REMARKS:

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630W G/252400SO
SVOC/Pest/PCB	101599
DIOXIN/HCX	101594
TAL METALS	101594
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Duplicate ID RES-SS-111699A



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RE2-SS-12-554-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 0950 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: Scott Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

SIP 11-24

- ~~X~~ Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

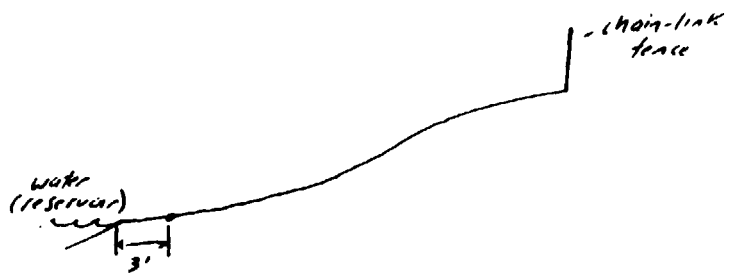
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn silty sand with gravel, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

DUPLICATE SAMPLE TAKEN (DIOXIN)

Page 1 of 1

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-12-SSS-01

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DU-111699B (if applicable)

Sample Method: SIS Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 0905 hours DUP Time: 0910 hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEATO)

Data Recorded By: Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate collected
- ___ Other (Specify): ___

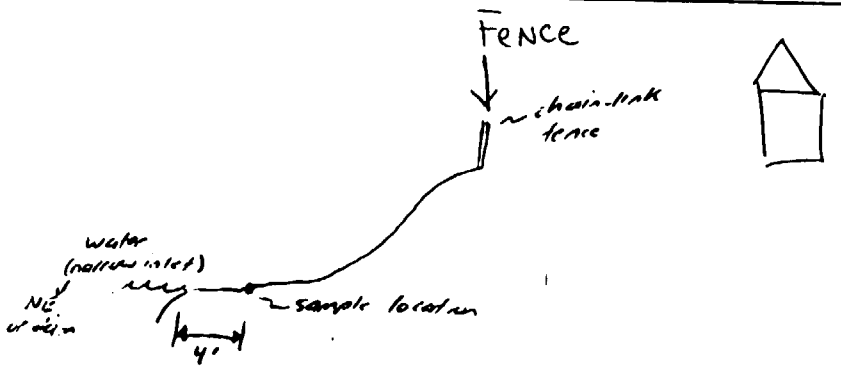
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn silty sand w/ gravel, moist

DIUF Water Lot# ___

SAMPLE DATA/REMARKS: field duplicate RES-SS-DU-111699-B for dioxin collected at location
Sample collected 4' from small inlet (water) edge

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240020
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-12-556-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1350 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

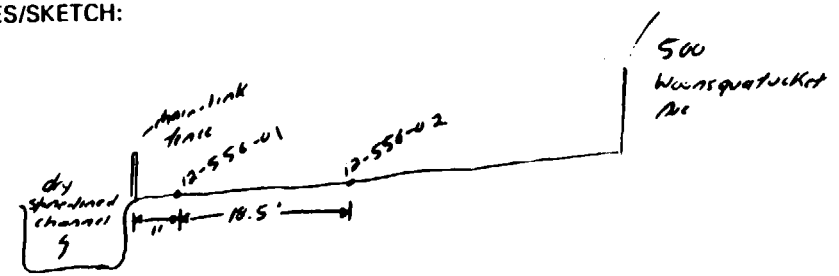
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn organic rich silt loam, sm. gravel, damp

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-55-12-556-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1355 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
S. Pelcyato

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn organic rich silt loam, sm. gravel, damp

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-55-12-556-01 for Sketch of location

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-~~1-56~~ SS-12-560-01
SP 11-11-99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1430 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: Scott Fennelly
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

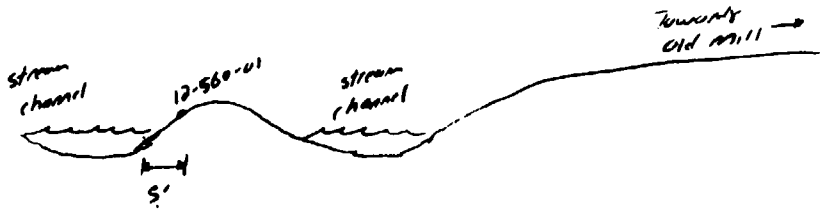
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk bra silt, sm sand + gravel, dry

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-12-560-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/94 1422 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY (K. O'NEILL) (circle appropriate)
S. PELEPKO

Data Recorded By: Scott Johnson
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

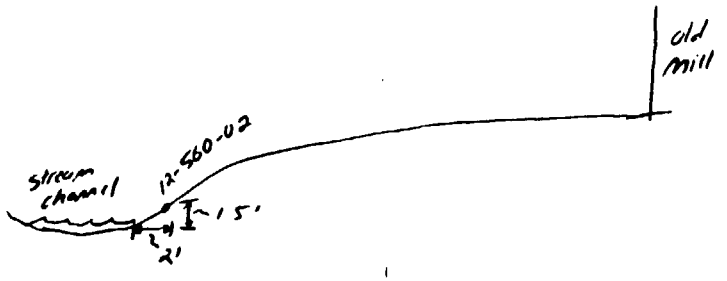
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn clayey silt, sm. gravel, damp

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-14-210-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0 - 1 feet

Sample Date & Time: 11/16/99 1145 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PELERKA

Data Recorded By: _____
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

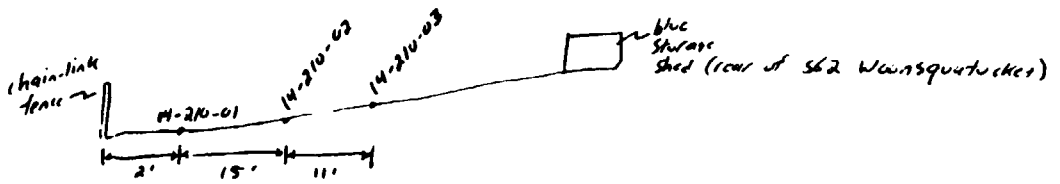
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Gravelly silty sand, dk brn, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630 60 G/252400 20
SVOC/Pest/PCB	101599
DIOXIN/HCX	101594
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ RES-SS-14-210-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-1' feet

Sample Date & Time: 11/16/99 1145 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY (K. O'NEILL) (circle appropriate)

Data Recorded By: K O'Neill
Signature

PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Sand w/ silt + org matter

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-14-210-01 for sketch

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ RES-SS-14-210-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/16/99 1148 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: Scott Velepko
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- X Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Sandy silt (dk brn) w/ gravel + organic matl, damp

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Refer to Sample Log Sheet RES-SS-14-210-01 for Sketch

Tt NUS Form 0005A

DUPLICATE SAMPLE TAKEN

TETRA TECH NUS, INC.

Page ___ of ___

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-271-01

Tetra Tech NUS Job No. N0400
QC Information: RES SS-DU-111599A (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1155 hours DUP Time: 1205 hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): ___

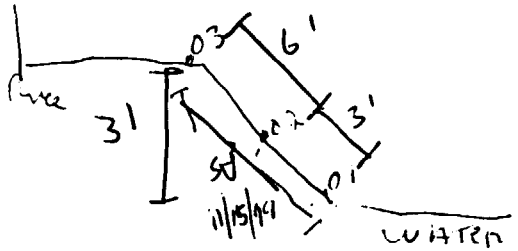
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) SANDY SILT, SOME GRAVEL

DIUF Water Lot#

SAMPLE DATA/REMARKS:

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263040 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RFS-SS-14-271-01A
KL 12/2/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: SCOOP

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 955 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- [X] Soil
- [ ] Sediment
- [ ] Composite
- [ ] Grab
- [ ] Trip Blank*
- [ ] Equipment Blank*
- [ ] Field Duplicate collected
- [ ] Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty sand

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX X	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-271-02

Tetra Tech NUS Job No. N0400
QC Information: NA (if applicable)

Sample Method: S|S SOOOP

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1204 hours DUP Time: ____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL ____ (circle appropriate)
S. PELEPKO

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ____ Sediment
- ____ Composite
- ____ Grab
- ____ Trip Blank*
- ____ Equipment Blank*
- ____ Field Duplicate collected
- ____ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) CLAYEY SILT, SOME SAND, BROWN ROCK FRAGMENTS

DIUF Water Lot# ____

SAMPLE DATA/REMARKS: ____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263040 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: REFER TO SAMPLE LOG SHEET FOR RES-SS-14-271-01

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-271-03

Tetra Tech NUS Job No. N0400
QC Information: NA (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1210 hours DUP Time: ____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL ____ (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
___ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.)

DIUF Water Lot#

SAMPLE DATA/REMARKS:

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: REFER TO SAMPLE LOG SHEET FOR RES-SS-14-271-01

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-372-01

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DV-111899A (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 0925 hours DUP Time: 0830 hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: Seth Pelepko
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil		Trip Blank*
X	Sediment		Equipment Blank*
	Composite	X	Field Duplicate collected
X	Grab		Other (Specify):

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn silt, some gravel & sand, organic material, moist

DIUF Water Lot#

SAMPLE DATA/REMARKS: Collect CLP + CLP duplicate.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-302-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0 - 1 feet

Sample Date & Time: 11/16/99 1325 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn, organic-rich silt loam, moist
abundant roots

DIUF Water Lot#

SAMPLE DATA/REMARKS: Collect CLP sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

Page ___ of ___

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-303-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1330 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

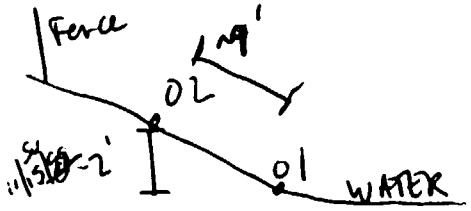
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) MOIST SILT, SOME SAND, ROOTS, PETROLEUM ODOR & SHEEN

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-303-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1335 hours DUP Time: _____ hours

Sampler(s): S. VETERE K. LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
S. PALEPU

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
___ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 6" ORGANIC CLAY, BELOW 6" CLAYEY SAND MOIST

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM**	101599	
TOC**	G/27263060	G/25240080
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: REFER TO SAMPLE LOG SHEET FOR RES-SS-14-303-01

Tt NUS Form 0005A

Page ___ of ___

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-333-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1350 hours DUP Time: _____ hours

Sampler(s): ~~S. VETERE~~ K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
~~S. PARKO~~

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
___ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

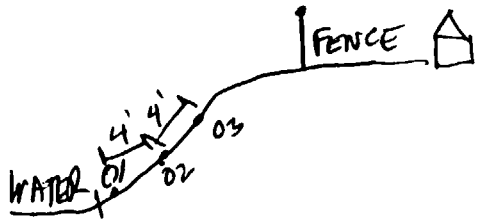
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) WET, SATURATED SILT & CLAY, MATS

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Sample collected ~1' uphill of waters edge

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630(4) G/252400 80
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-333-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1355 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
S. BEREKO

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 2" ORGANIC CLAY LOAM, CLAYEY SAND GRAVEL

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630/0 G/252400/0
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: REFER TO SAMPLE LOG SHEET FOR RES-SS-14-333-01

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-333-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1403 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
___ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) BROWN, SILTY SAND, SOME GRAVEL

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630b0 G/252400 80
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101594
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: REFER TO SAMPLE LOG SHEET FOR RES-SS-14-333-01

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-334-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1415 hours DUP Time: ____ hours

Sampler(s): ~~S. VETERE~~ K. LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
S. PERSKO

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) SANDY CLAY SILT, SOME CLAY
SV 11/15/99

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101594
TAL METALS	101594
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RB-SS-14-365-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1430 hours DUP Time: _____ hours

Sampler(s): ~~S. VETERE~~ K. LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
S. PELOSO

Data Recorded By: Stephen Veterе
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
___ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

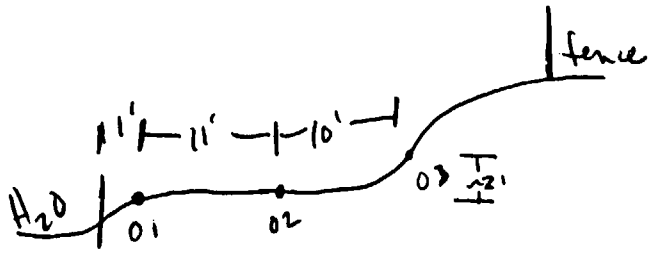
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 3" MEDIUM BROWN SAND, ORGANIC, RICH CLAY LOAM

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-365-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0 - 1 feet

Sample Date & Time: 11/15/99 1435 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
S. PELERO

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
___ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) SAND MS RES-SS-14-365-01

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: SEE SAMPLE LOG SHEET FOR RES-SS-14-365-01

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-365-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1440 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) _____

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630b0 G/252400 80
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: SEE SAMPLE LOG SHEET FOR RES-SS-14-365-01

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-366-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1505 hours DUP Time: ____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
S. PLUEPEL

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
___ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): ___

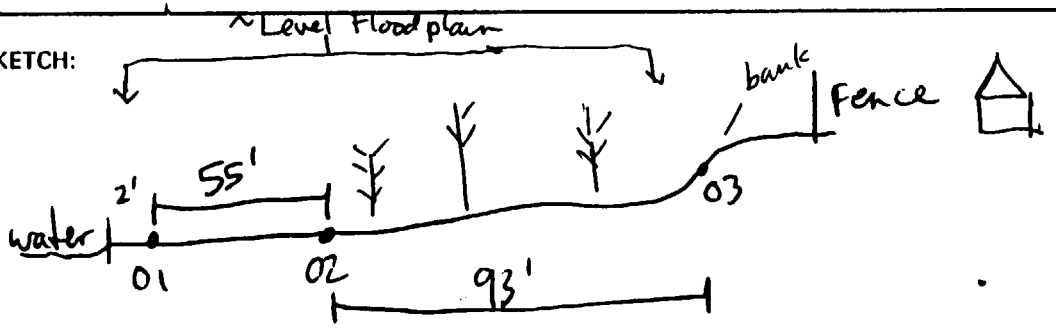
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Sands & sandy clays/clayey sands, med. to dk. brn, Fe-staining, moist/wet

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Sample collected ~2' from narrow stream (water) edge

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630G0 G/252400 80
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



RESSS-11 366

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-366-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1510 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- [X] Soil
- [ ] Sediment
- [ ] Composite
- [X] Grab
- [ ] Trip Blank*
- [ ] Equipment Blank*
- [ ] Field Duplicate collected
- [ ] Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) SILTY w/ SAND

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272c3060 G/252400280
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: SEE SAMPLE LOG SHEET FOR RES-SS-14-366-01

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: SES-SS-14-366-03

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1520 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
S. FOLEY

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
___ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silt w/sand, brown

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630G0 G/252400E0
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: SEE SAMPLE LOG SHEET FOR
AES-SS-14-366-01

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-398-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1605 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
S. PELEPKO

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

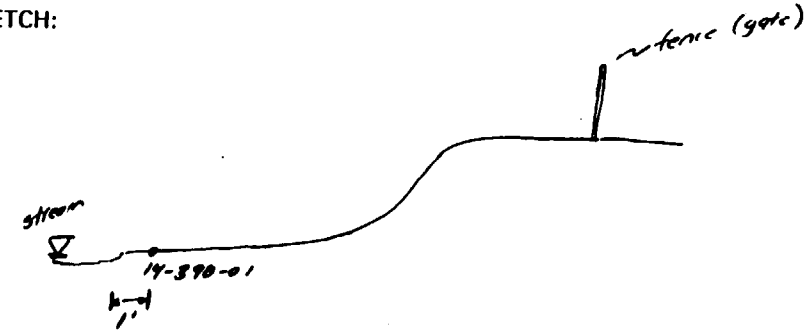
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk. brn organic-rich clay loam, roots, moist/wet

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272&3060 G/252400 80
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-399-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Scoop

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1610 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
___	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
___	Grab	___	Other (Specify): _____

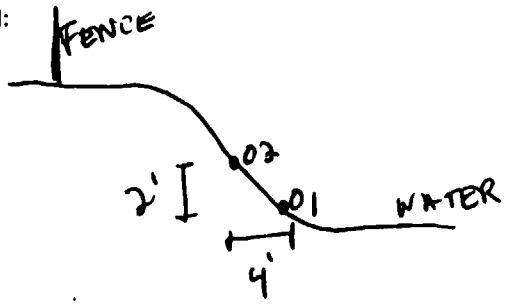
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) DARK BROWN SILT

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630/0 G/252400 80
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-399-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: SS Scoop

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1420 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kevin O'Neill
Signature

PID Monitor Reading: 0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Silty brown

DIUF Water Lot# _____

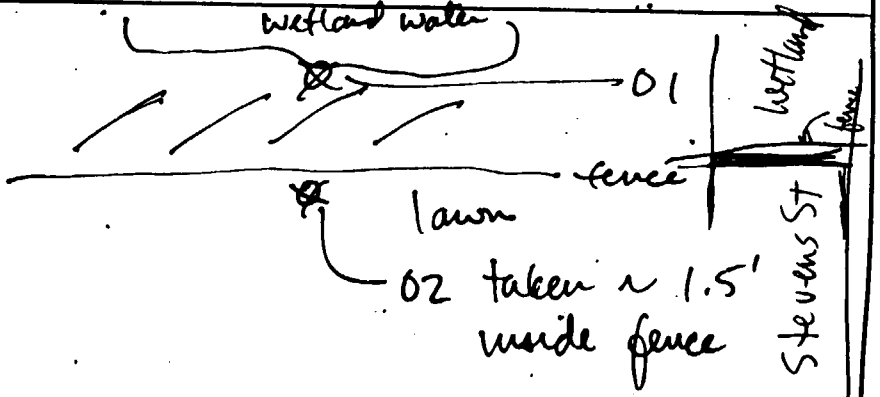
SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	X
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Dioxin Only

See site Logbook



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-419-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 0935 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
S. PELEPKO

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

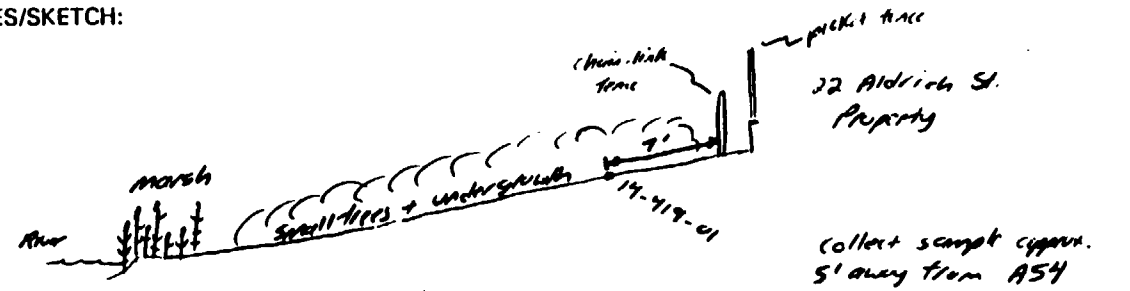
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dry brn peat, roots, other organic matl, tr. silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-420-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 0820 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. DELEAKO)

Data Recorded By: Seth Pettigrew
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	____	Trip Blank*
X	Sediment	____	Equipment Blank*
____	Composite	____	Field Duplicate collected
X	Grab	____	Other (Specify): ____

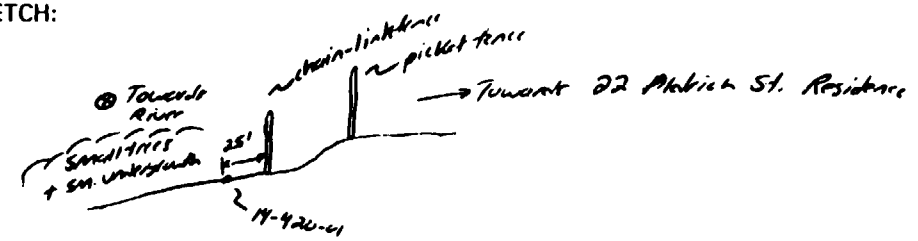
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) 3" bra silt, 9" H. bra sand, dry

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP Sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-421-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/19/99 0800 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____ Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	___	Field Duplicate collected
X	Grab	___	Other (Specify): ___

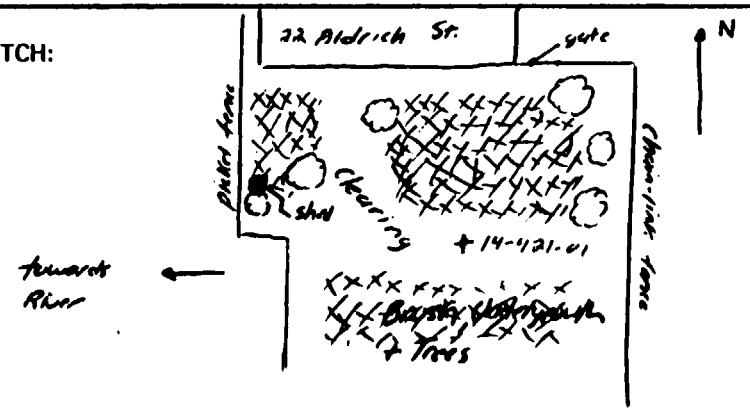
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) brn sandy silt, dry

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect CLP sample

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS- RES-SS-M-422-02-01
KD 12/2/99 RDF 12/9/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S auger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 1205 hours DUP Time: _____ hours

Sampler(s): S. VETERE K. LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

X Soil	___ Trip Blank*
___ Sediment	___ Equipment Blank*
___ Composite	___ Field Duplicate collected
X Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Moist, dark brown, silty sand.

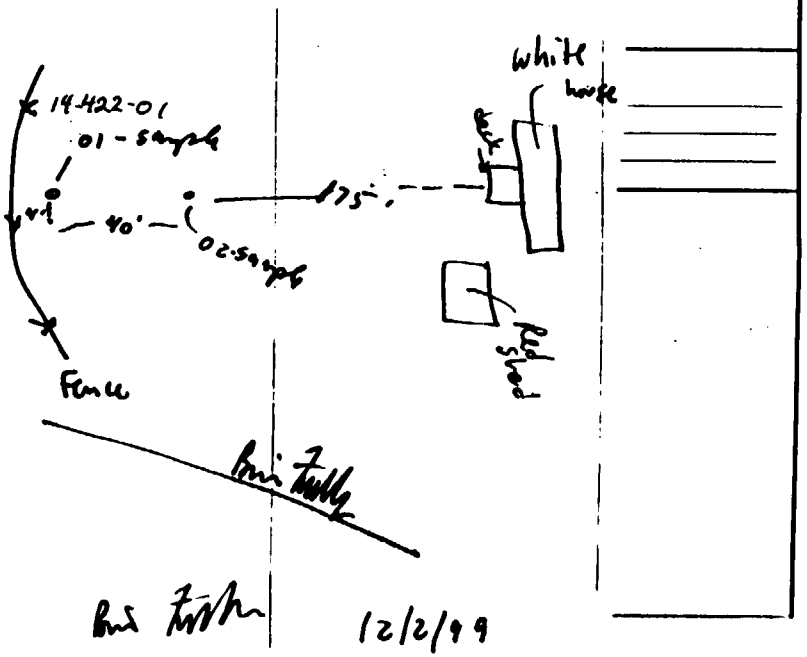
DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

SKETCH TAKEN FROM FIELD LOGBOOK 12-2-99 →



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CM9 - RES-SS-14-422-01
XD 1212199

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S auger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 1155 hours DUP Time: _____ hours

Sampler(s): S. VETERE K. LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty sand, brown

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: SEE LOG SHEET FOR RES-SS-14-422-01

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RES-SS-M-424-01 (D)

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S auger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 1145 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K. LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Tuttle
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

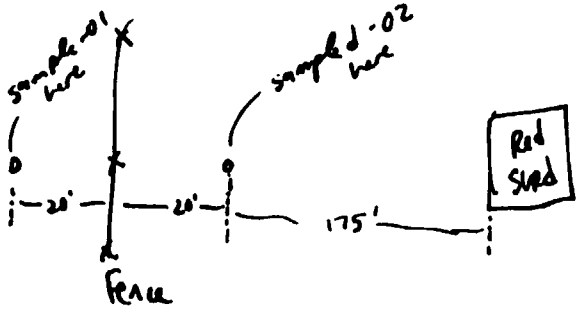
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty sand, w roots, brown top half, bottom half light brown, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:
SKETCH FROM FIELD LOG 12-2-99



Brian Tuttle

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RES-SS-14-424-02 (W) 12/2/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S auger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 1135 hours DUP Time: _____ hours

Sampler(s): S. VETERE K. LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fuller
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- X Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) organic matter and silt, brown, dry.

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: apparently compost area.

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: See log book for sketch.
OR SAMPLE LOG SHEET FOR RES-SS-14-424-01

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RES-SS-14-425-01 (W) 1212199

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 1127 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

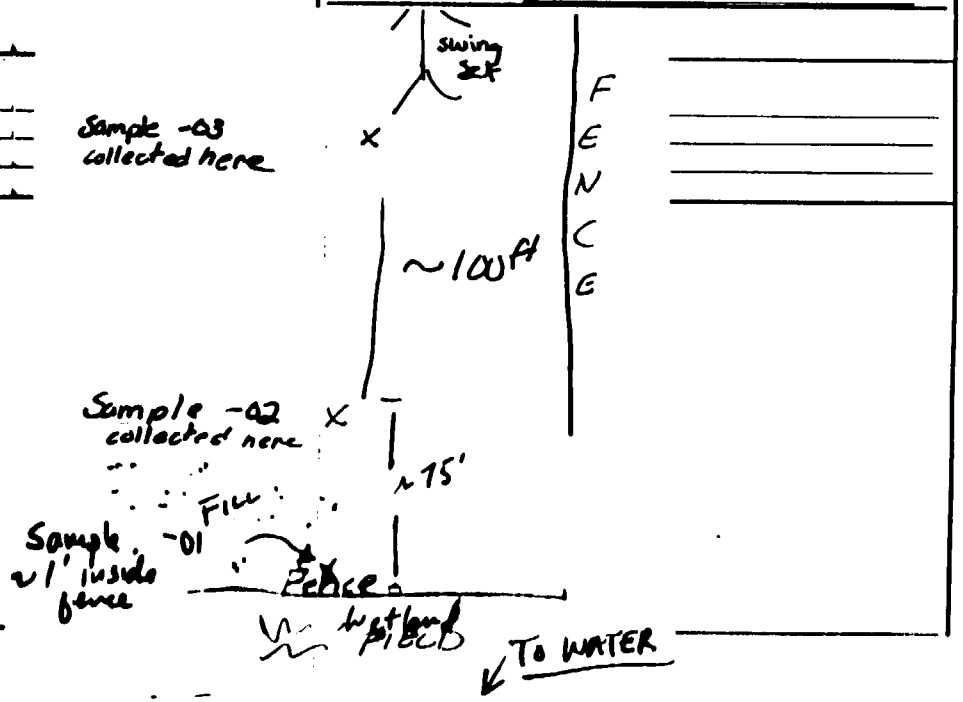
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dark moist silty sand

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-425-02

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger
Depth Interval Sampled: 0-1 feet
Sample Date & Time: 12/2/99 1121 hours DUP Time: _____ hours
Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
Data Recorded By: Kim Lundgren
Signature
PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dark brown silty sand

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX X	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: SEE SAMPLE LOG SHEET FOR RES-SS-14-425-01

Tt NUS Form 0005A

Page ___ of

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS- RES-SS-14-425-03 (W) 121269

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger
Depth Interval Sampled: 0-1 feet
Sample Date & Time: 12/02/99 1115 hours DUP Time: _____ hours
Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)
Data Recorded By: Kim Lundgren Signature
PID Monitor Reading: 1 ppm

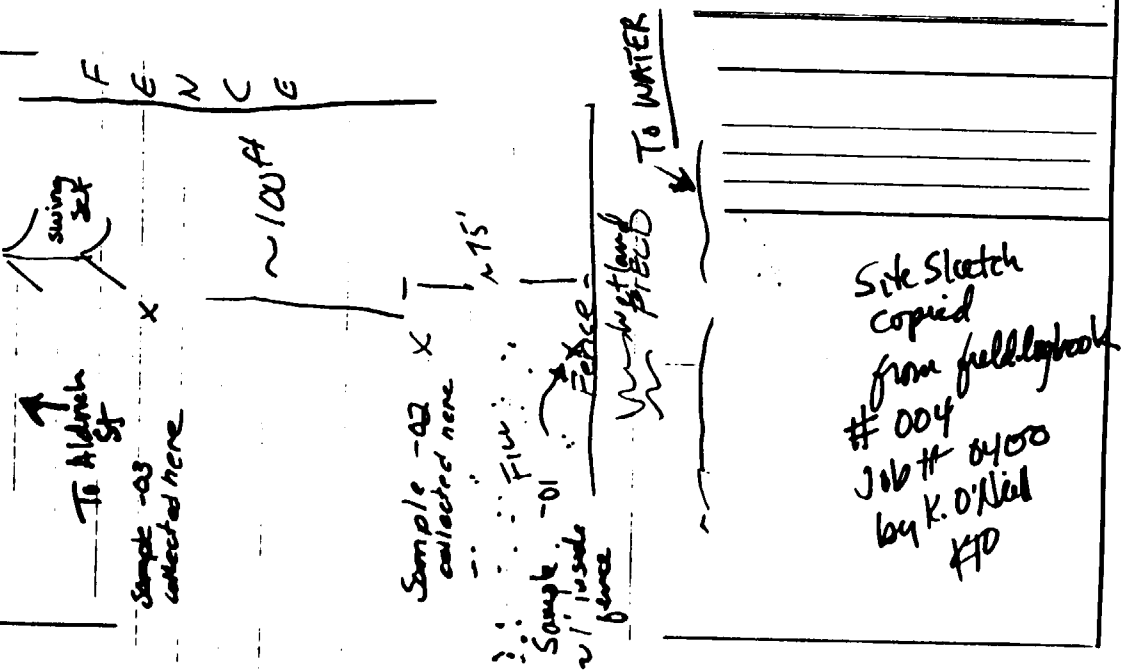
TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) light brown silty sand

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	NOTES/SK
AVS/SEM**	101599	
TOC**	G/272c3060 G/252400 80	
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RES-SS-14-430-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S Trowel

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/17/99 1400 hours DUP Time: 1405 hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: Scott Volpe
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

X	Soil	___	Trip Blank*
X	Sediment	___	Equipment Blank*
___	Composite	X	Field Duplicate collected
X	Grab	___	Other (Specify): ___

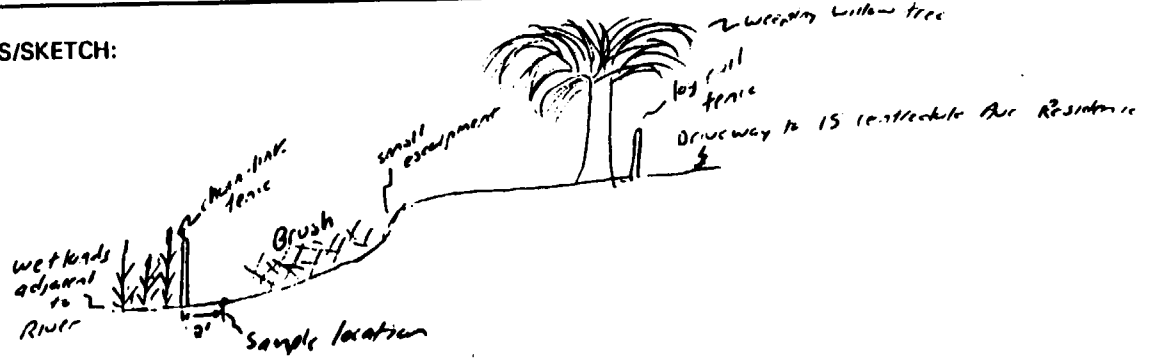
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) dk brn sandy silt, moist

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Collect TCLP and TCLP duplicate RES-SS-DU-111799D at location

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ RES-SS-14-448-01
SW 11/15/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: S/S SCOOP

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 11/15/99 1645 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)
S. POLEFKO

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

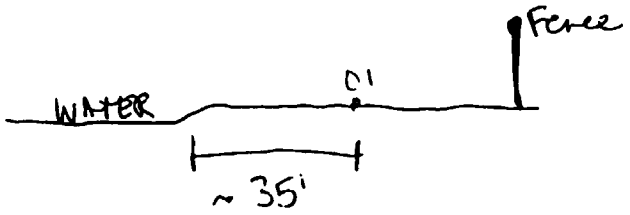
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) ORGANIC RICH, CLAY w/ Loam, ROOTS

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: Sample collected ~35' from water edge

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272603040 G/252400 80
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Tt NUS Form 0005A

Page ___ of ___

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RES-SS-14-449-01 (VO 12/14/99)

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: hand auger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 1035 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren (Signature)

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

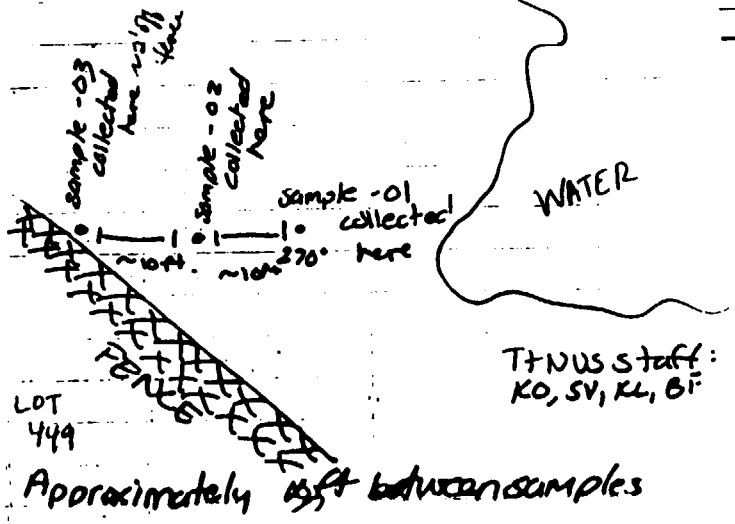
Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) SILT

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: RES-SS-14-449-01@270°

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:



Sketch copied from field logbook #004 (Centredale) Job #0400

KTD 2-24-2000

TtNUS staff: KO, SV, KL, BF

Tt NUS Form 0006A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RES-SS-14-449-02
RL 12/2/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: handauger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 1030 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEIL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) Silt

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX X	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS- RES-SS-14-449-03
12/2/99

Tetra Tech NUS Job No. N0400
QC Information: RES-SS-DUP-[illegible]0299 (If applicable)

Sample Method: handauger

Depth Interval Sampled: 0-1 feet

Sample Date & Time: 12/2/99 1025 hours DUP Time: 1030 hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Fennelly
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- X Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) silty peaty

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB X	
DIOXIN/HCX X	
TAL METALS X	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Dioxin duplicate collected here

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS- LPX-SW-2053-01
BAT 11/4/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: direct dip.

Depth Sampled: 0.5 feet Total Depth 4 feet (SW Only)

Sample Date & Time: 11/4/99 1205 hours DUP: _____ hours

Sampler(s): S. VETERE B. KENNELLY K. LUNDGREN K. O'NEILL
(circle appropriate)

Date Recorded By: Brian R. Fennelly
Signature

TYPE OF SAMPLE: (Check all that apply)

___ Groundwater	___ Trip Blank*
X Surface Water	___ Equipment Blank*
___ Residential Supply	___ Field Duplicate Collected
X Grab	___ Other (Specify):
___ Composite	

*include sample source & lot No.

PID Monitor Reading: ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
11.3	6.12	0.222	7.89	0.00

turbidity:

Color: clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB				
TAL METALS (TOTAL)				
TAL METALS (FILTERED)				
DIOXIN & HCX				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ RCC-SW-3001-01

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0.5 feet Total Depth ~1.0 feet (SW Only)

Sample Date & Time: 11/10/95 1330 hours DUP: _____ hours

Sampler(s): S. VETERE ~~B. FENNELLY~~ K. LUNDGREN ~~K. O'NEILL~~ (circle appropriate)

Date Recorded By: K O'Neill (Signature)

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- X Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify): _____

*include sample source & lot No.

PID Monitor Reading: 0 ppm

Notes /Sketch:

Sampling/Purge Data: turbidity 1.3 NTU

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
12.9	6.58	0.188	9.96	0.00

Stream has low to moderate flow and up to ~3' deep, is ~50' wide

Color: _____ Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB				
TAL METALS (TOTAL)				
TAL METALS (FILTERED)				
DIOXIN & HCX				

Tt NUS Form 0004

DUPLICATE SAMPLE COLLECTED (metals only)

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RCC - SW - 3003 - 01
BRF 11/10/99

Tetra Tech NUS Job No. N0400
QC Information: RCC-SW-DU-111099A (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0.5 feet Total Depth ~~0.5~~ 1.0 feet (SW Only) TTO

Sample Date & Time: 11/10/99 1015 hours DUP: 1020 hours 11/10/99

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEILL
(circle appropriate)

Date Recorded By: Brian Fennelly
Signature

TYPE OF SAMPLE: (Check all that apply)

___	Groundwater	___	Trip Blank*
X	Surface Water	___	Equipment Blank*
___	Residential Supply	X	Field Duplicate Collected
X	Grab	___	Other (Specify):
___	Composite		

*include sample source & lot No.

Little or no flow, collected in side pocket just off main stream flow

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
11.5	6.31	0.177	7.96	0.00

Color: clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

turbidity : 1.9 NTU.

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB				
TAL METALS (TOTAL)				
TAL METALS (FILTERED)				
DIOXIN & HCX				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RIC - SW - 3003 - 01
BGF 11/10/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct dip

Depth Sampled: 0.5 feet Total Depth 1 feet (SW Only)

Sample Date & Time: 11/10/99 0910 hours DUP: _____ hours

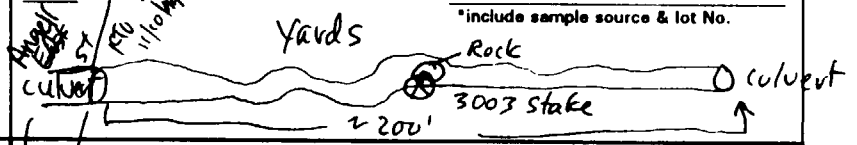
Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEILL (circle appropriate)

Date Recorded By: K O'Neill
Signature

TYPE OF SAMPLE: (Check all that apply)

___ Groundwater	___ Trip Blank*
X Surface Water	___ Equipment Blank*
___ Residential Supply	___ Field Duplicate Collected
___ Grab	___ Other (Specify):
___ Composite	

*include sample source & lot No.



PID Monitor Reading: _____ ppm

Notes /Sketch: stream is rocky about 4-5' wide rip rap in some areas

Color: clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

Sampling/Purge Data: turb 2.0 NTU

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
10.8	5.88	0.335	9.23	0.01

flowing @ ~1-2 cu ft/sec mostly sandy bottom, 1 thick in areas

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB				
TAL METALS (TOTAL)				
TAL METALS (FILTERED)				
DIOXIN & HCX				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~-RAB-SW-3004-01 MS/MSD

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct dip

Depth Sampled: 0.5 feet Total Depth 1.0 feet (SW Only)

Sample Date & Time: 11/10/99 1520 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN ~~K. O'NEILL~~ (circle appropriate)

Date Recorded By: Kevin O'Neill
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- X Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*Include sample source & lot No.

PID Monitor Reading: ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
12.4	6.62	0.177	9.66	0.00

turbidity 3.9 NTU

Low-to-moderate flow in stream, sandy bottom, surrounded by forested wetland

Color: _____ Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB				
TAL METALS (TOTAL)				
TAL METALS (FILTERED)				
DIOXIN & HCX				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ WRC-SW-2009-01
(W) 11/1/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 1 feet Total Depth 2 feet (SW Only)

Sample Date & Time: 11/01/99 16^20 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEIL
(circle appropriate)

Date Recorded By: Brian Fennelly
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- ___ Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
13.6	6.04	0.200	8.46	0.00

Turbidity: 14

Color: _____ Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS		BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB	X	A 9075010			
TAL METALS (TOTAL)	X	C 9235040			
TAL METALS (FILTERED)	X	C 9235040			
DIOXIN & HCX	X	101899			

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ WRI-SW-2010-01 (W) 11/2/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0.5-1 feet Total Depth 2.0 feet (SW Only)

Sample Date & Time: 11/02/99 11^09 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEIL (circle appropriate)

Date Recorded By: Kim Lundgren
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- ___ Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
12.4	6.36	.190	~~9.16~~ 9.28 (W) 11/2/99	0.00

Turbidity = 4.5

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ ~~STUCK~~ (W) 11/2/99
w/ muck floating

ANALYSIS		BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB	X	A 9075010			
TAL METALS (TOTAL)	X	C 9235040			
TAL METALS (FILTERED)	X	C 9235040			
DIOXIN & HCX	X	101899			

Tt NUS Form 0004

Duplicate Metals collected

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ WRC-SW-2011-01 (FD) 11/2/99

Tetra Tech NUS Job No. N0400
QC Information: WRC-SW-DU-11/02/99-A (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 1.0 feet Total Depth 2.0 feet (SW Only)

Sample Date & Time: 11/02/99 10^09 hours DUP: 1015 hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEIL (circle appropriate)

Date Recorded By: Kim Lundgren (Signature)

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- ___ Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
12.1	6.67	.193	9.63	0.00

Turbidity = 1.3

Color: clear Turbidity: (CLR/SL) CLDY/CLDY/OPAQ

ANALYSIS		BOTTLE LOT NO.
SVOC/Pest/PCB	X	A 9075010
TAL METALS (TOTAL)	X	C 923504D
TAL METALS (FILTERED)	X	C 923504D
DIOXIN & HCX	X	101899

COMMENTS: Duplicate Metals collected

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-WRC-SW-2012-01
(W) 11/2/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0.5 feet Total Depth 1 feet (SW Only)

Sample Date & Time: 11/02/99 9^10 hours DUP: _____ hours

Sampler(s): S. VETERE (B. FENNELLY) K. LUNDGREN (K. O'NEIL) (circle appropriate)

Date Recorded By: Bill Lundy
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- ___ Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*Include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
11.9	5.53	0.192	9.56	0.00

Turbidity: 1.0

Color: _____ Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS		BOTTLE LOT NO.
SVOC/Pest/PCB	X	A 9075010
TAL METALS (TOTAL)	X	C 9235040
TAL METALS (FILTERED)	X	C 9235040
DIOXIN & HCX	X	101899

COMMENTS

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - WRC - SW - 2013 - 01 (D) 11/1/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 1.0 feet Total Depth 2.5 feet (SW Only)

Sample Date & Time: 11/01/99 1523 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEIL
(circle appropriate)

Date Recorded By: Kim Lundgren
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- ___ Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
13.6	5.86	0.198	8.72	0.00

Turbidity = 0.95

Color: _____ Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS		BOTTLE LOT NO.	COMMENTS
SVOC/Pest/PCB	X	A 907501O	Clear Water
TAL METALS (TOTAL)	X	C 923504O	
TAL METALS (FILTERED)	X	C 923504O	
DIOXIN & HCX	X	101899	

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-WRC-SW-2014-01
11/1/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct D.P

Depth Sampled: 0.5 feet Total Depth 1.5 feet (SW Only)

Sample Date & Time: 11/01/99 1420 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEIL (circle appropriate)

Date Recorded By: Brian Smith
Signature

TYPE OF SAMPLE: (Check all that apply)

___	Groundwater	___	Trip Blank*
X	Surface Water	___	Equipment Blank*
___	Residential Supply	___	Field Duplicate Collected
X	Grab	___	Other (Specify):
___	Composite		

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
13.7	5.81	0.187	8.56	0.00

Turbidity = 0.75

Color: clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS		BOTTLE LOT NO.	COMMENTS
SVOC/Pest/PCB	X	A 9075010	
TAL METALS (TOTAL)	X	C 9235040	
TAL METALS (FILTERED)	X	C 9235040	
DIOXIN & HCX	X	101899	

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ - WRC - SW - 2015 - 01 (W) 11/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0.5 feet Total Depth 1 feet (SW Only)

Sample Date & Time: 11/1/99 12^25 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEILL (circle appropriate)

Date Recorded By: Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- X Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
13.4	5.19	0.202	9.25	0.00

Turbidity = 0.90

Color: _____ Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB ✓	A 907501O			
TAL METALS (TOTAL) X	C 923504O			
TAL METALS (FILTERED) X	C 923504O			
DIOXIN & HCX X	101899			

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ CMW-SW-2016-01 (W) 12/26/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 1.0 feet Total Depth 2.5 feet (SW Only)

Sample Date & Time: 12/26/99 16:00 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEIL (circle appropriate)

Date Recorded By: Kim Lundgren
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- X Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
16	7.0	0.22	6.9	0.0

Turbidity 3.44 NTU

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.	COMMENTS
SVOC/Pest/PCB X	A 9075010	Triplicate Volume taken
TAL METALS (TOTAL) X	C 923504Q	
TAL METALS (FILTERED) X	C 923504Q	
DIOXIN & HCX X	101899	

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~GMS~~ CMW-SW-209-01 (2019) 10/26/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0.5 feet Total Depth 1.0 feet (SW Only)

Sample Date & Time: 10/26/99 14:30 hours DUP: _____ hours

Sampler(s): S. VETERE (B. FENNELLY) K. LUNDGREN K. O'NEILL
(circle appropriate)

Date Recorded By: Kim Lundgren
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- X Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.7 ? PID Problem ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
13.0	6.3	0.48	12.9	0.00

Turbidity = 27.2 Ntu

Color: DARK Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS		BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB	X	A 9075010			
TAL METALS (TOTAL)	X	C 923504D			
TAL METALS (FILTERED)	X	C 923504D			
DIOXIN & HCX	X	101899			

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ - CMW-SW-2020-01
(R) 10/26/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0.5 feet Total Depth 1.0 feet (SW Only)

Sample Date & Time: 10/26/99 10^55 hours DUP: _____ hours

Sampler(s): S. VETERE, B. FENNELLY, K. LUNDGREN, K. O'NEIL
(circle appropriate)

Date Recorded By: Kim Lundgren
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- X Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
12.2°C	5.9	0.21	12.9	0.00

Turbidity = 2.85 NTU

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.	COMMENTS
SVOC/Pest/PCB	A 9075010	water contains organic matter
TAL METALS (TOTAL)	C 923504O	
TAL METALS (FILTERED)	C 923504O	
DIOXIN & HCX	101899	

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~GMS~~ CMW-SW-2021-01 (KL) 10/26/99 Ø

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0-0.5 feet Total Depth 0.5 feet (SW Only)

Sample Date & Time: 10/26/99 955 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEIL (circle appropriate)

Date Recorded By: _____ Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- X Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
10.7°C	5.43	0.220	11.51	0.00

Turbidity = 33.6 NTU

Color: clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.	COMMENTS
SVOC/Pest/PCB	A 9075010	water is full of organic matter
TAL METALS (TOTAL)	C 9235040	an organic sheen was noted
TAL METALS (FILTERED)	C 9235040	
DIOXIN & HCX	101899	

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~: CMW-SW-2022-01
BAS 10/27/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: direct dip.

Depth Sampled: 0.5 feet Total Depth 1.0 feet (SW Only)

Sample Date & Time: 10/27/99 1210 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEIL
(circle appropriate)

Date Recorded By: Lin Fuller
Signature

TYPE OF SAMPLE: (Check all that apply)

___ Groundwater	___ Trip Blank*
X Surface Water	___ Equipment Blank*
___ Residential Supply	___ Field Duplicate Collected
X Grab	___ Other (Specify):
___ Composite	

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
14.6	6.07	0.371	4.17	0.01

Turbidity 1.5 NTUs

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.	COMMENTS
SVOC/Pest/PCB X	A 9075010	Stream has good flow, but slow.
TAL METALS (TOTAL) X	C 9235040	
TAL METALS (FILTERED) X	C 9235040	
DIOXIN & HCX X	101899	

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~GMS~~ CMW-SW-2023-01 (W) 10/27/99

Tetra Tech NUS Job No. N0400
QC Information: CMW-SW-DU-102799A (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0.5' feet Total Depth 1.0 feet (SW Only)

Sample Date & Time: 10/27/99 1023 hours DUP: 1027 hours

Sampler(s): S. VETERE (B. FENNELLY) K. LUNDGREN K. O'NEIL (circle appropriate)

Date Recorded By: Kim Lundgren (Signature)

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- X Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate Collected
- ___ Other (Specify):

*Include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
11.1°C	5.93 ~~5.87~~ @ 10/27/99	0.389	11.16	0.01

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

Turbidity 5.1 Ntu

ANALYSIS	BOTTLE LOT NO.
SVOC/Pest/PCB X	A 9075010
TAL METALS (TOTAL) X	C 9235040
TAL METALS (FILTERED) X	C 9235040
DIOXIN & HCX X	101899

COMMENTS: Triplicate volume collected
Flowing stream

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CM8~~ CMW-~~SW~~SW-2024-01
(W) 10/27/99 KJO 10-28-99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: (W) 10/27/99 Direct Pip

Depth Sampled: ~~0.5~~ 0.5 feet Total Depth 0.5 feet (SW Only)

Sample Date & Time: 10/27/99 11^10 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEILL (circle appropriate)

Date Recorded By: Kim Lundgren (Signature)

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- X Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
13.8	5.59	0.267	2.69	0.01

Turbidity = 6.2 Ntu

Color: light brown Turbidity: CLR/SL (CLDY)/CLDY/OPAQ

ANALYSIS		BOTTLE LOT NO.
SVOC/Pest/PCB	X	A 9075010
TAL METALS (TOTAL)	X	C 9235040
TAL METALS (FILTERED)	X	C 9235040
DIOXIN & HCX	X	101899

COMMENTS: Stagnant water Frog Valley bank organic sheen observed on sample area. organic debris in sampled water.

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-CMW-SW-2025-01
10/28/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: direct dip

Depth Sampled: 0.5 feet Total Depth 2' feet (SW Only)

Sample Date & Time: 10/28/99 1025 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEIL
(circle appropriate)

Date Recorded By: Brian Fennelly
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- ✓ Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify): _____

*Include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
10.1	5.78	.369	8.42	0.01

Turbidity: 1.3 Ntu

Color: clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS		BOTTLE LOT NO.
SVOC/Pest/PCB	X	A 9075010
TAL METALS (TOTAL)	X	C 923 5040
TAL METALS (FILTERED)	X	C 923 5040
DIOXIN & HCX	X	101899

COMMENTS: Surface water samples collect in 2' deep pool/trench within stream good flow in stream.

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ APB-SW-2029-01 (DD 10/29/99)

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0-0.25 feet Total Depth < 1 feet (SW Only)

Sample Date & Time: 10/29/99 925 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEIL (circle appropriate)

Date Recorded By: Kim Lundgren
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- X Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
8.8	5.59	0.340	3.29	0.01

Turbidity = 3.9 Ntu

Color: clear to Reddish Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS		BOTTLE LOT NO.
SVOC/Pest/PCB	X	A 9075010
TAL METALS (TOTAL)	X	C 923504O
TAL METALS (FILTERED)	X	C 923504O
DIOXIN & HCX	X	101899

COMMENTS: Organic sheen noted reddish, iron oxide flocks @ 10/29/99

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ APB-SW-2034-01 (NJ 111399)
Tetra Tech NUS Job No. N0400
QC Information: APB-SW-2034-01 (if applicable)

Sample Method/Device: Direct Dip
Depth Sampled: 1.0 feet Total Depth 2.0 feet (SW Only)
Sample Date & Time: 11/03/99 1310 hours DUP: _____ hours
Sampler(s): S. VETERE (B. FENNELLY) K. LUNDGREN K. O'NEILL
(circle appropriate)
Date Recorded By: Kim Lundy
Signature

TYPE OF SAMPLE: (Check all that apply)

___	Groundwater	___	Trip Blank*
X	Surface Water	___	Equipment Blank*
___	Residential Supply	___	Field Duplicate Collected
___	Grab	___	Other (Specify):
___	Composite		

Lab QC collected

*include sample source & lot No.

PID Monitor Reading: ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
16.8	5.61	0.168	8.33	0.00

Turbidity = 5.7

Color: _____ Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB X				
TAL METALS (TOTAL) X				
TAL METALS (FILTERED) X				
DIOXIN & HCX X				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ APC-SW-2035-01 (CMS-13199)

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct DIP

Depth Sampled: 0.5 feet Total Depth 2.5 feet (SW Only)

Sample Date & Time: 11/03/99 1328 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY (K. LUNDGREN) K. O'NEILL
(circle appropriate)

Date Recorded By: Kim Lundgren
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- ___ Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify): _____

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
14.9	6.25	0.182	7.24	0.00

Color: _____ Turbidity: CLR/SL CLDY/CLDY/OPAQ

Turbidity = 2.0

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB X				
TAL METALS (TOTAL) X				
TAL METALS (FILTERED) X				
DIOXIN & HCX X				

Tt NUS Form 0004

DUPLICATE SAMPLE COLLECTED

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-[illegible]-APC-SW-20360-01 (1) 11/3/99

Tetra Tech NUS Job No. N0400
QC Information: DV-11399-A (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0.5 feet Total Depth 3.5 feet (SW Only)

Sample Date & Time: 11/03/99 1230 hours DUP: 1253 hours

Sampler(s): S. VETERE B. FENNELLY (K. LUNDGREN) K. O'NEILL (circle appropriate)

Date Recorded By: Kim Lundgren (Signature)

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- ___ Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
15.2	5.93	0.179	8.76	0.00

Turbidity = 3.0

Color: ___ Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB X				
TAL METALS (TOTAL) X				
TAL METALS (FILTERED) X				
DIOXIN & HCX X				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~: WRL-SW-2039-01
SV 10/25/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: DIRECT DIP

Depth Sampled: 0.5 feet Total Depth ~1 feet (SW Only)

Sample Date & Time: 10/25/99 1524 hours DUP: _____ hours

Sampler(s): S. VETERE (B. FENNELLY) K. LUNDGREN K. O'NEIL
(circle appropriate)

Date Recorded By: Stephen Vetere
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- X Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
12.3	6.29	0.203	9.05	0.00

TURBIDITY = 093 NTU

Color: clear Turbidity: (CLR)/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.	COMMENTS
SVOC/Pest/PCB X	A 907501O	
TAL METALS (TOTAL) X	C 923504O	
TAL METALS (FILTERED) X	C 923504O	
DIOXIN & HCX X	101899	

Tt NUS Form 0004

Collected Duplicate

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ WRL-SW-2040-01
EV 10/25/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0.5 feet Total Depth ~1 feet (SW Only)

Sample Date & Time: 10/25/99 1310 hours DUP: 1315 hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEIL
(circle appropriate)

Date Recorded By: Kim Lundgren
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- X Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- X Field Duplicate Collected
- ___ Other (Specify): _____

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
11.9	6.09	0.2	9.86	0

TURBIDITY = 1.18 NTU

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB	A 9075010			
TAL METALS (TOTAL)	C 9235040			
TAL METALS (FILTERED)	C 9235040			
DIOXIN & HCX	101899			

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ WRL-SW-2041-01
(RL) 10/25/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0.5 feet Total Depth ~1 feet (SW Only)

Sample Date & Time: 10/25/99 1440 hours DUP: _____ hours

Sampler(s): ~~S. VETERE~~ (B) FENNELLY (K) K. LUNDGREN K. O'NEIL
(circle appropriate)

Date Recorded By: Stephen Luhar
Signature

TYPE OF SAMPLE: (Check all that apply)

___	Groundwater	___	Trip Blank*
X	Surface Water	___	Equipment Blank*
___	Residential Supply	___	Field Duplicate Collected
X	Grab	___	Other (Specify):
___	Composite		

*include sample source & lot No.

Leaf matter in sediment

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
12.1	6.20	0.200	9.60	0

Turbidity = 0.83 NTU

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB	A 9075010			
TAL METALS (TOTAL)	C 9235040			
TAL METALS (FILTERED)	C 9235040			
DIOXIN & HCX	101899			

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ WRL-SW-2042-01 (W) 11/2/99

Tetra Tech NUS Job No. N0400
QC Information: ~~FD-11299-A~~ (W) 11/2/99 (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0-0.5 feet Total Depth 0.5 feet (SW Only)

Sample Date & Time: 11/02/99 1446 hours DUP: _____ hours

Sampler(s): S. VETERE (B. FENNELLY) K. LUNDGREN K. O'NEIL (circle appropriate)

Date Recorded By: Kim Lundgren
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- ___ Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ~~X~~ Field Duplicate Collected (W) 11/2/99
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: (W) 11/2/99 N/A began to rain PID not useful ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
13.6	6.14	0.186	7.26	0.00

Turbidity - 150

Color: Cloudy Turbidity: CLR/SL (CLDY)/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.	COMMENTS
SVOC/Pest/PCB X	A 907501D	
TAL METALS (TOTAL) X	C 923504D	
TAL METALS (FILTERED) X	C 923504D	
DIOXIN & HCX X	101899	

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS:~~ LPR-SW-2043-01
ICTU 11/FIGS WRL SV 10/29/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 1.0 feet Total Depth 1.8 feet (SW Only)

Sample Date & Time: 11/8/99 1155 hours DUP: _____ hours

Sampler(s): S. VETERE ~~B. FENNELLY~~ K. LUNDGREN ~~K. O'NEILL~~
(circle appropriate)

Date Recorded By: Kevin O'Neill
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- ___ Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify): _____

*Include sample source & lot No.

flowing water nearby, SW collected in still pocket

PID Monitor Reading: _____ ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
9.6	5.10	0.181	10.52	0.00

turbidity 5.67 NTU

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB				
TAL METALS (TOTAL)				
TAL METALS (FILTERED)				
DIOXIN & HCX				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ - WRL - SW - 2044 - 01
BAF - 11/9/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0.5 feet Total Depth 1.3 feet (SW Only)

Sample Date & Time: 11/9/99 1330 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEILL
(circle appropriate)

Date Recorded By: Brian Faith
Signature

TYPE OF SAMPLE: (Check all that apply)

___	Groundwater	___	Trip Blank*
X	Surface Water	___	Equipment Blank*
___	Residential Supply	___	Field Duplicate Collected
X	Grab	___	Other (Specify):
___	Composite		

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L) *	Salinity %
10.1	6.34	0.253	9.55 —	0.01

Color: clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

turbidity 1.53 NTU.

* ~~Horiba meter~~
BAF 1/9/99

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB				hydrochloric acid / iron stain noticed on surface of water.
TAL METALS (TOTAL)				
TAL METALS (FILTERED)				
DIOXIN & HCX				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS- LPX-SW-2045-01 (VO) 115199

Tetra Tech NUS Job No. N0400
QC Information: LPX-SW-DU-110899A (if applicable)

Sample Method/Device: direct dip

Depth Sampled: 0.5 feet Total Depth 1.5 feet (SW Only)

Sample Date & Time: 11/8/99 1430 hours DUP: 1440 hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEILL
(circle appropriate)

Date Recorded By: Brian Fennelly
Signature

TYPE OF SAMPLE: (Check all that apply)

___	Groundwater	___	Trip Blank*
X	Surface Water	___	Equipment Blank*
___	Residential Supply	X	Field Duplicate Collected
X	Grab	___	Other (Specify):
___	Composite		

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
9.4	6.37	0.189	8.63	0.00

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

turbidity: 1.3 NTU.

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB X				Duplicate Sample collected at this location
TAL METALS (TOTAL) X				
TAL METALS (FILTERED) X				
DIOXIN & HCX X				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS- LAX-SW-2046-01
BAS 11/8/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: direct dip

Depth Sampled: ~ 0.5 feet Total Depth 1.0 feet (SW Only)

Sample Date & Time: 11/8/99 1545 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEILL
(circle appropriate)

Date Recorded By: _____
Signature

TYPE OF SAMPLE: (Check all that apply)

___ Groundwater	___ Trip Blank*
X Surface Water	___ Equipment Blank*
___ Residential Supply	___ Field Duplicate Collected
X Grab	___ Other (Specify):
___ Composite	

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
9.0	6.50	0.189	9.38	0.00

turbidity: 1.82 NTU

Color: clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB				
TAL METALS (TOTAL)				
TAL METALS (FILTERED)				
DIOXIN & HCX				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - LIX-SW-2647-01
BRF 11/8/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: direct dip

Depth Sampled: 0.5 (1.0) feet BRF 11/8/99 Total Depth 3 (2.7) feet (SW Only) BRF 11/8/99

Sample Date & Time: 11 / 8 / 99 1345 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN (K. O'NEILL)
(circle appropriate)

Date Recorded By: Brian Fennelly
Signature

TYPE OF SAMPLE: (Check all that apply)

___ Groundwater	___ Trip Blank*
X Surface Water	___ Equipment Blank*
___ Residential Supply	___ Field Duplicate Collected
X Grab	___ Other (Specify):
___ Composite	

*include sample source & lot No.

PID Monitor Reading: _____ ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
8.7	6.42	0.249	9.21	0.00

turbidity: 1.5 NTU

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB				Sampling location heavily vegetated.
TAL METALS (TOTAL)				
TAL METALS (FILTERED)				
DIOXIN & HCX				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ - LPX-SW-2018-01
RAF - 11/9/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: direct dip

Depth Sampled: 0.5 feet Total Depth 2 feet (SW Only)

Sample Date & Time: 11/9/99 1040 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEIL
(circle appropriate)

Date Recorded By: Brian Fennelly
Signature

TYPE OF SAMPLE: (Check all that apply)

___	Groundwater	___	Trip Blank*
X	Surface Water	___	Equipment Blank*
___	Residential Supply	___	Field Duplicate Collected
X	Grab	___	Other (Specify):
___	Composite		

*Include sample source & lot No.

PID Monitor Reading: _____ ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
8.7	5.31	0.192	8.64	0.00

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

turbidity: 1.04 NTU

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB				Still water in low
TAL METALS (TOTAL)				
TAL METALS (FILTERED)				
DIOXIN & HCX				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - LPX-SW-2049-01 (DD) 11/5/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 0.5 feet Total Depth 1 feet (SW Only)

Sample Date & Time: 11/5/99 1110 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEILL (circle appropriate)

Date Recorded By: Kim Lundgren Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- ___ Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
11.3	5.84	.219	7.52	0.00

Turbidity = 1.53

Color: _____ Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB X				
TAL METALS (TOTAL) X				
TAL METALS (FILTERED) X				
DIOXIN & HCX X				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ LPX-SW-2050-01
(W) 011599

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct Dip

Depth Sampled: 1.0 feet Total Depth 2.5 feet (SW Only)

Sample Date & Time: 11/5/99 1035 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEILL
(circle appropriate)

Date Recorded By: Ken Lundgren
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- ___ Residential Supply
- ___ Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify):

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
10.6	5.83 @ 1135 hrs 11/5/99	.185	7.90	0.00

Turbidity: 1.73

Color: _____ Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB X				Pieces of sheen noted
TAL METALS (TOTAL) X				
TAL METALS (FILTERED) X				
DIOXIN & HCX X				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~GMS~~ LPX-SW-2051-01
BAS 11/4/99

Tetra Tech NUS Job No. N0400
QC Information: LPX-DU-110499B (metals only) (if applicable)

Sample Method/Device: direct dip.

Depth Sampled: 0.5 feet Total Depth 4 feet (SW Only)

Sample Date & Time: 11/4/99 1600 hours DUP: 1605 hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEILL
(circle appropriate)

Date Recorded By: Signature

TYPE OF SAMPLE: (Check all that apply)

___	Groundwater	___	Trip Blank*
X	Surface Water	___	Equipment Blank*
___	Residential Supply	___	Field Duplicate Collected
X	Grab	___	Other (Specify):
___	Composite		

*include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
11.4	6.09	0.227	8.42	0.00

turbidity 1.3 NTU

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB				Ponded area, No observable flow.
TAL METALS (TOTAL)				
TAL METALS (FILTERED)				
DIOXIN & HCX				

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - LPX-SW-2051-01A
BRF 11/9/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: Direct dip

Depth Sampled: 0.5 feet Total Depth 2.5 feet (SW Only)

Sample Date & Time: 11/9/99 1205 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEILL
(circle appropriate)

Date Recorded By: Brian Turbyfill
Signature

TYPE OF SAMPLE: (Check all that apply)

___	Groundwater	___	Trip Blank*
X	Surface Water	___	Equipment Blank*
___	Residential Supply	___	Field Duplicate Collected
X	Grab	___	Other (Specify):
___	Composite		

*include sample source & lot No.

PID Monitor Reading: ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
8.8	6.03	0.198	9.14	0.00

BRF 11/9/99

turbidity 1.16 Ntu

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB				Location resampled due to sample loss during shipping to Lab.
TAL METALS (TOTAL)				
TAL METALS (FILTERED)				
DIOXIN & HCX				

AIOIC

Tt NUS Form 0004

TETRA TECH NUS, INC.

SAMPLE LOG SHEET – SURFACE WATER

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS-~~ LPX-SW-2052-01
BRF 11/4/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method/Device: _____

Depth Sampled: 0.5 feet Total Depth 2 feet (SW Only)

Sample Date & Time: 11/4/99 1100 hours DUP: _____ hours

Sampler(s): S. VETERE B. FENNELLY K. LUNDGREN K. O'NEILL
(circle appropriate)

Date Recorded By: Brian Fennelly
Signature

TYPE OF SAMPLE: (Check all that apply)

- ___ Groundwater
- X Surface Water
- X Residential Supply
- X Grab
- ___ Composite
- ___ Trip Blank*
- ___ Equipment Blank*
- ___ Field Duplicate Collected
- ___ Other (Specify): _____

*Include sample source & lot No.

PID Monitor Reading: 0.0 ppm

Notes /Sketch:

Sampling/Purge Data:

Temp °C	pH	Spec. Cond. (mS/cm)	DO (mg/L)	Salinity %
10.8	5.87	0.219	~~6.69~~ 8.00 BRF 11/4/99	0.00

turbidity = 1.2 NTU

Color: Clear Turbidity: CLR/SL CLDY/CLDY/OPAQ

ANALYSIS	BOTTLE LOT NO.			COMMENTS
SVOC/Pest/PCB				
TAL METALS (TOTAL)				
TAL METALS (FILTERED)				
DIOXIN & HCX				

Tt NUS Form 0004

RINSATE

Page ___ of

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~EMS-~~ LPX-RB-102299A
SV 10/22/99

Tetra Tech NUS Job No. N0400
QC Information: Equip Blank (if applicable)

Sample Method: DIRECT POUR (S/S BOWL)

Depth Interval Sampled: — feet

Sample Date & Time: 10/22/99 1205 hours DUP Time: ____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY (K. O'NEILL) (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- ✓ Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) N/A clear

DIUF Water Lot# NERL 9800-5 U.S.P./N.F. purified

SAMPLE DATA/REMARKS:

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240020
SVOC/Pest/PCB X	101599 8 oz
DIOXIN/HCX X	101594 1L glass
TAL METALS X	101594 1L
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-APB-RB-102299B
(R) 10/22/99

Tetra Tech NUS Job No. N0400
QC Information: Equip Blank (if applicable)

Sample Method: DIRECT POUR (S/S BOWL)

Depth Interval Sampled: — feet

Sample Date & Time: 10/22/99 1350 hours DUP Time: ____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY (K. O'NEILL) (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: ____ ppm

TYPE OF SAMPLE: (Check all that apply)

- ____ Soil
- ____ Sediment
- ____ Composite
- ____ Grab
- ____ Trip Blank*
- ✓ Equipment Blank*
- ____ Field Duplicate collected
- ____ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) N/A clear

DIUF Water Lot# NERL 9800-5 USP DI Purified

SAMPLE DATA/REMARKS:

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH:
AVS/SEM**	101599	
TOC**	G/27263060 G/25240020	
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

Tt NUS Form 0005A

RINSATE

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~CMS~~ CMS-RB-102599-A. (RB) 10/25/99

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: Direct Pour using s/s bowl

Depth Interval Sampled: — feet

Sample Date & Time: 10/25/99 (RB) 817 10 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ____ Soil
- ____ Sediment
- ____ Composite
- ____ Grab
- ____ Trip Blank*
- X Equipment Blank*
- ____ Field Duplicate collected
- ____ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) clear

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630G0 G/252400 20
SVOC/Pest/PCB X	101599
DIOXIN/HCX X	101599
TAL METALS X	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: RINSATE SAMPLE

Tt NUS Form 0005A

RINSATE

Page ___ of ___

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RB - 102699 - RA
(D) 10126199

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: Pour off

Depth Interval Sampled: N/A feet

Sample Date & Time: 10/26/99 1635 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
___ Sediment	X Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) _____

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH:
AVS/SEM**	101599	
TOC**	G/27263060 G/25240020	
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101599	
TAL METALS X	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

Tt NUS Form 0005A

SW Sediment Rinsate KTO 10/28/95

Page ___ of ___

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: ~~GMS-~~ KTO10/28/95 CMW-SW-RB-102899 SW

Tetra Tech NUS Job No. N0400
QC Information: Equipment rinsate (if applicable)

Sample Method: Direct pour

Depth Interval Sampled: N/A feet

Sample Date & Time: 10/28/95 1300 hours DUP Time: ____ hours

Sampler(s):
S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: K O'Neill
Signature

PID Monitor Reading: N/A ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- X Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): 9800-5

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) N/A

DIUF Water Lot# 9800-5

SAMPLE DATA/REMARKS:

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB X	
DIOXIN/HCX X	
TAL METALS X	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: D08 943

Tt NUS Form 0005A

Rinsate

Page ___ of ___

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE

Sample ID: ~~GMS - GAS - EA - 102999~~ KTO 10-29-99

(ED ICHTHYC MS-SD-RB-102999A

Tetra Tech NUS Job No. N0400

QC Information: _____ (if applicable)

Sample Method: Direct Pour

Depth Interval Sampled: N/A feet

Sample Date & Time: 10/29/99 8:25 hours DUP Time: _____ hours

Sampler(s): S. VETERE (K.LUNDGREN) B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Kim Lundgren
Signature

PID Monitor Reading: 0.0 ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- X Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) _____

DIUF Water Lot# 9800-5

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	
AVS/SEM** X	101599	
TOC**	G/27263060	G/25240030
SVOC/Pest/PCB X	101599	
DIOXIN/HCX X	101599	
TAL METALS X	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

NOTES/SKETCH: RINSATE - Sediment

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RB - 110299 A

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: Direct Pour (from S/S Bowl)

Depth Interval Sampled: -NA- feet

Sample Date & Time: 11/2/99 1335 hours DUP Time: _____ hours

Sampler(s):
S. VETERE (K. LUNDGREN) (B. FENNELLY) K. O'NEILL _____ (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: NA ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
___ Sediment	✓ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) NA

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630 60 G/252400 80
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Rinsate Blank.

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RB-110499A

Tetra Tech NUS Job No. N0400
QC Information: _____ (If applicable)

Sample Method: Pour through S/S bowl

Depth Interval Sampled: NA - feet

Sample Date & Time: 11/4/99 0805 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate)

Data Recorded By: Brian Fennelly
Signature

PID Monitor Reading: NA ~~0.0~~ ppm 11/4/99

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- X Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) NA

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH:
AVS/SEM**	101599	
TOC**	G/272630G0 G/252400 80	
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RB-111099A

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: POUR THROUGH S/S BOWL

Depth Interval Sampled: — feet

Sample Date & Time: 11/10/99 0840 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL _____ (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: NA ppm

TYPE OF SAMPLE: (Check all that apply)

____ Soil	____ Trip Blank*
____ Sediment	X Equipment Blank*
____ Composite	____ Field Duplicate collected
____ Grab	____ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) NA

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RB-111699A

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: POUR THROUGH S/S BOWL

Depth Interval Sampled: - feet

Sample Date & Time: 11/16/99 0910 hours DUP Time: ____ hours

Sampler(s):
S. VETERE K.LUNDGREN ~~B. FENNELLY~~ K. O'NEILL ____ (circle appropriate)
S POLEPKO

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: ____ ppm

TYPE OF SAMPLE: (Check all that apply)

____ Soil	____ Trip Blank*
____ Sediment	_x_ Equipment Blank*
____ Composite	____ Field Duplicate collected
____ Grab	____ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) _____

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH:
AVS/SEM**	101599	
TOC**	G/27203060 G/25240080	
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RB-111699B

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: POUR THROUGH S/S BOWL

Depth Interval Sampled: — feet

Sample Date & Time: 11/16/99 1330 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN ~~R. FENNELLY~~ K. O'NEILL _____ (circle appropriate)
S. POLEPKO

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

- ___ Soil
- ___ Sediment
- ___ Composite
- ___ Grab
- ___ Trip Blank*
- X Equipment Blank*
- ___ Field Duplicate collected
- ___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) _____

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263060 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH:

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS-RB-111799A

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: POUR THROUGH S/S BOWL

Depth Interval Sampled: — feet

Sample Date & Time: 11/17/99 0800 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN ~~C. FENNELLY~~ K. O'NEILL _____ (circle appropriate)
S. Porenco

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
___ Sediment	X Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) _____

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

ANALYSIS	BOTTLE LOT NO.	NOTES/SKETCH:
AVS/SEM**	101599	
TOC**	G/2726306b G/2524 00 80	
SVOC/Pest/PCB	101599	
DIOXIN/HCX	101599	
TAL METALS	101599	
GRAIN SIZE**		
Free Water***	N/A - Zip-lock bag	
** surface sed only	***surface sed & bank sed only	

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RB-111799 C

Tetra Tech NUS Job No. N0400
QC Information: Rinsate (if applicable)

Sample Method: Direct Push / SS Bowl

Depth Interval Sampled: N/A feet

Sample Date & Time: 11/17/99 1320 hours DUP Time: ____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: Seth Jelepko
Signature

PID Monitor Reading: N/A ppm

TYPE OF SAMPLE: (Check all that apply)

____ Soil	____ Trip Blank*
____ Sediment	X Equipment Blank*
____ Composite	____ Field Duplicate collected
____ Grab	____ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) N/A

DIUF Water Lot# Cat. No. 4150-5 (RICCA CHEM) (A.S.A. 7732-18-5)

SAMPLE DATA/REMARKS: Collect 2 x 1L AMBER FOR DIOXIN ANALYSIS

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Rinsate

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RB - 111799B

Tetra Tech NUS Job No. N0400
QC Information: RINSATE (if applicable)

Sample Method: Direct Pour / S/S bowl

Depth Interval Sampled: N/A feet

Sample Date & Time: 11/17/99 1315 hours DUP Time: _____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL _____ (circle appropriate)
(S. PELEPKO)

Data Recorded By: _____
Signature

PID Monitor Reading: N/A ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
___ Sediment	X Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) N/A

DIUF Water Lot# Cat. No. 9150-5 CAS. No. 7732-18-5 (RICCA CHEM.)

SAMPLE DATA/REMARKS: COLLECT 2 x 500 ml AMBER (SVOCs, Pest/PCBs) 2 x 1L AMBER (DIOXIN), and 1 x 1L HDPE w/ HNO3 (Metals)

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: Rinsate

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RB-111499A

Tetra Tech NUS Job No. N0400
QC Information: Rinsate Blank (if applicable)

Sample Method: Direct Pour / S/S Bowl

Depth Interval Sampled: -N/A- feet

Sample Date & Time: 11/18/99 0735 hours DUP Time: ____ hours

Sampler(s): S. VETERE K.LUNDGREN B. FENNELLY K. O'NEILL (circle appropriate) S. PELEPKO

Data Recorded By: _____ Signature

PID Monitor Reading: -N/A- ppm

TYPE OF SAMPLE: (Check all that apply)

____ Soil	____ Trip Blank*
____ Sediment	X Equipment Blank*
____ Composite	____ Field Duplicate collected
____ Grab	____ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) -N/A-

DIUF Water Lot# Cat. No. 4150-5 CAS No. 7732-18-5 (RICCA CHEMICAL)

SAMPLE DATA/REMARKS: 2 x 1L AMBER (DIOXIN)

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: RINSATE BLANK

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RB-111899B

Tetra Tech NUS Job No. N0400
QC Information: Rinsate Blank (if applicable)

Sample Method: Direct Pour / S/S Bowl

Depth Interval Sampled: -N/A- feet

Sample Date & Time: 11/18/99 0740 hours DUP Time: ____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELGRO)

Data Recorded By: Seth Yalynk
Signature

PID Monitor Reading: -N/A- ppm

TYPE OF SAMPLE: (Check all that apply)

____ Soil	____ Trip Blank*
____ Sediment	X Equipment Blank*
____ Composite	____ Field Duplicate collected
____ Grab	____ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) -N/A-

DIUF Water Lot# Cat. No 9150-5 CAS No. 7732-18-5 (RICCA CHEMICAL)

SAMPLE DATA/REMARKS: 2x 1 L AMBER (DIOXIN), 2x 80 oz AMBER (PEST/PCBs, SVOCs), 1x 1L HDPE w/ HNO_3 (METALS)

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: RINSATE BLANK

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RB-111899C

Tetra Tech NUS Job No. N0400
QC Information: Rinsate Blank (if applicable)

Sample Method: Direct Pour / S/S Bowl

Depth Interval Sampled: -N/A- feet

Sample Date & Time: 11/18/99 1710 hours DUP Time: ____ hours

Sampler(s): S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELECHATY)

Data Recorded By: Scott Pelechaty
Signature

PID Monitor Reading: -N/A- ppm

TYPE OF SAMPLE: (Check all that apply)

- ____ Soil
- ____ Sediment
- ____ Composite
- ____ Grab
- ____ Trip Blank*
- X Equipment Blank*
- ____ Field Duplicate collected
- ____ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) -N/A-

DIUF Water Lot# Walgreens Distilled Water
Item # 409577

SAMPLE DATA/REMARKS: 2 x 80 oz. AMBER (ASH/ARS, SVOC), 2 x 1L AMBER (DIOXIN), 1 x 1L HDPE w/ HNO3 (METALS)

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: RINSATE BLANK

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RB-111899D

Tetra Tech NUS Job No. N0400
QC Information: Rinsate Blank (if applicable)

Sample Method: Direct Pour / S/S Bowl

Depth Interval Sampled: -N/A- feet

Sample Date & Time: 11/18/99 1715 hours DUP Time: ____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: Scott Pelepko
Signature

PID Monitor Reading: -N/A- ppm

TYPE OF SAMPLE: (Check all that apply)

____ Soil	____ Trip Blank*
____ Sediment	X Equipment Blank*
____ Composite	____ Field Duplicate collected
____ Grab	____ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) -N/A-

DIUF Water Lot# Walgreens Distilled Water Item # 409577

SAMPLE DATA/REMARKS: 2 x 1L AMBER (Dioxin)

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: RINSATE BLANK

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RB-111999A

Tetra Tech NUS Job No. N0400
QC Information: Rinsate Blank (if applicable)

Sample Method: Direct Pour/S/S Bowl

Depth Interval Sampled: -N/A- feet

Sample Date & Time: 11/19/99 1440 hours DUP Time: ____ hours

Sampler(s): S. VETERE K. LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEGRO)

Data Recorded By: Signature

PID Monitor Reading: -N/A- ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
___ Sediment	_X_ Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): ___

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) -N/A-

DIUF Water Lot# Poland Spring Water

SAMPLE DATA/REMARKS: 2x 40 oz Amber (SVOCs, Pest/PCBs), 2x 1L Amber (Dioxin), 1x 1L HDPE w/ HNO_3 (Metals)

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: RINSATE BLANK

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: RB-111999B

Tetra Tech NUS Job No. N0400
QC Information: Rinsate Blank (if applicable)

Sample Method: Direct Pour / SS Bowl

Depth Interval Sampled: -N/A- feet

Sample Date & Time: 11/19/99 1445 hours DUP Time: ____ hours

Sampler(s):
S. VETERE K.LUNDGREN (B. FENNELLY) K. O'NEILL (circle appropriate)
(S. PELEPKO)

Data Recorded By: Scott Pelepko
Signature

PID Monitor Reading: -N/A- ppm

TYPE OF SAMPLE: (Check all that apply)

____ Soil	____ Trip Blank*
____ Sediment	X Equipment Blank*
____ Composite	____ Field Duplicate collected
____ Grab	____ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) -N/A-

DIUF Water Lot# Poland Spring Water

SAMPLE DATA/REMARKS: 2 x 1L AMBER (Dioxin)

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	
TOC**	
SVOC/Pest/PCB	
DIOXIN/HCX	
TAL METALS	
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: RINSATE BLANK

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RB - 120299A

Tetra Tech NUS Job No. N0400
QC Information: RINSATE BLANK (if applicable)

Sample Method: pour through S/S Bowl

Depth Interval Sampled: — feet

Sample Date & Time: 12/2/99 0800 hours DUP Time: ____ hours

Sampler(s):
S. VETERE (K.LUNDGREN) (B. FENNELLY) K. O'NEILL (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: ____ ppm

TYPE OF SAMPLE: (Check all that apply)

- ____ Soil
- ____ Sediment
- ____ Composite
- ____ Grab
- ____ Trip Blank*
- ✓ Equipment Blank*
- ____ Field Duplicate collected
- ____ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) —

DIUF Water Lot# ____

SAMPLE DATA/REMARKS: ____

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/27263040 G/25240080
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: RINSATE BLANK

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RB-120299B

Tetra Tech NUS Job No. N0400
QC Information: RINSATE BLANK (if applicable)

Sample Method: POUR THROUGH S/S BOWL

Depth Interval Sampled: — feet

Sample Date & Time: 12/2/99 1220 hours DUP Time: ____ hours

Sampler(s): S. VETERE K.LUNDGREN R.FENNELLY K. O'NEILL ____ (circle appropriate)

Data Recorded By: Stephen Vetere
Signature

PID Monitor Reading: — ppm

TYPE OF SAMPLE: (Check all that apply)

- ____ Soil
- ____ Sediment
- ____ Composite
- ____ Grab
- ____ Trip Blank*
- ✓ Equipment Blank*
- ____ Field Duplicate collected
- ____ Other (Specify): ____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.)

DIUF Water Lot#

SAMPLE DATA/REMARKS:

ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/2726306Q G/2524003 0
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

NOTES/SKETCH: RINSATE BLANK

Tt NUS Form 0005A

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - SOLID PHASE

Site Name: CENTREDALE MANOR SITE
Sample ID: CMS - RB- 120299C
BD 12/299

Tetra Tech NUS Job No. N0400
QC Information: _____ (if applicable)

Sample Method: pwr through s/s bowl

Depth Interval Sampled: NA feet

Sample Date & Time: 12/2/99 1555 hours DUP Time: _____ hours

Sampler(s): S. VETERE K.LUNDGREN B. KENNEDY K. O'NEILL (circle appropriate)

Data Recorded By: _____ Signature

PID Monitor Reading: _____ ppm

TYPE OF SAMPLE: (Check all that apply)

___ Soil	___ Trip Blank*
___ Sediment	X Equipment Blank*
___ Composite	___ Field Duplicate collected
___ Grab	___ Other (Specify): _____

Description: (Sand, Clay, Muck, Peat, Dry, Moist, Wet, Etc.) NA

DIUF Water Lot# _____

SAMPLE DATA/REMARKS: _____

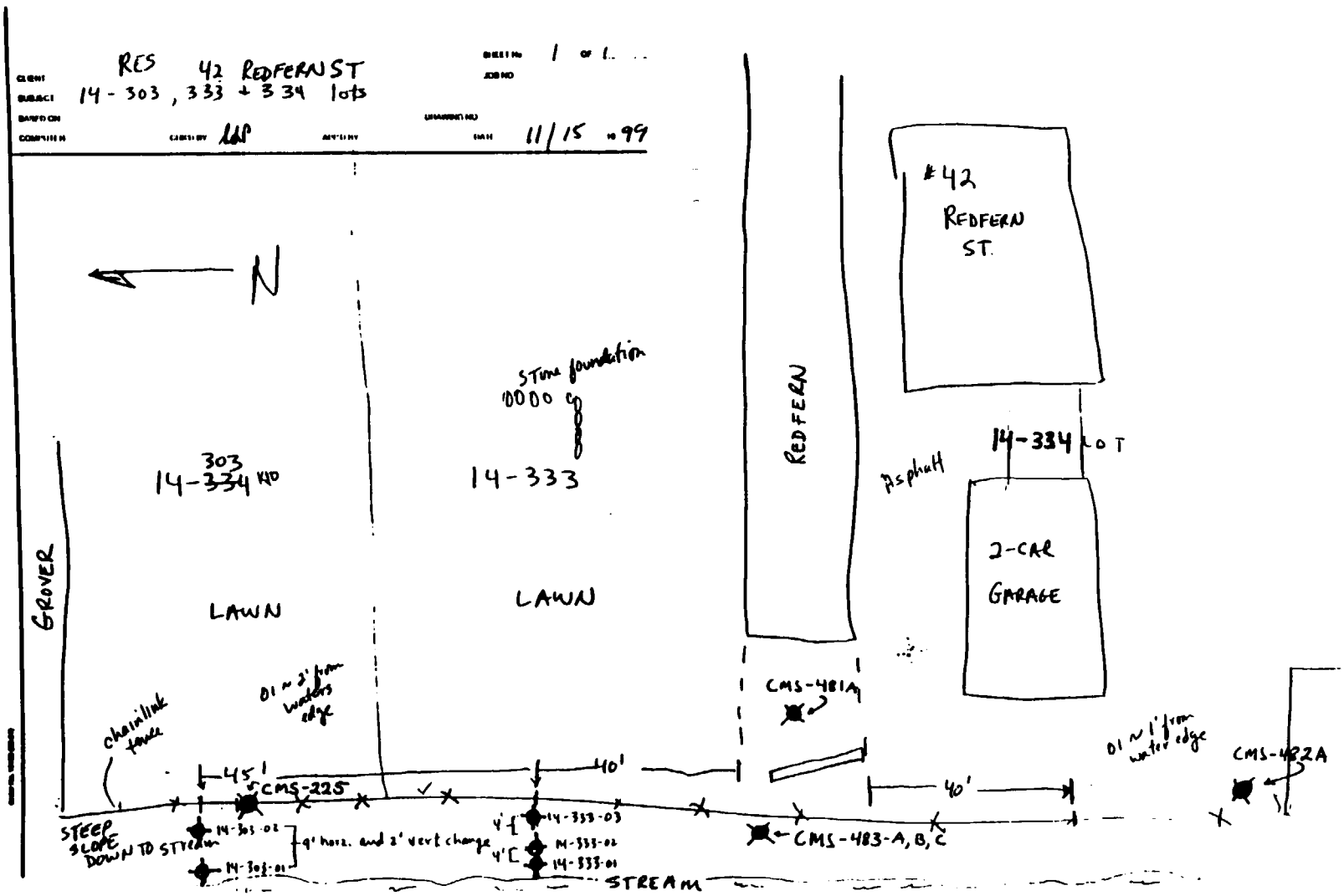
ANALYSIS	BOTTLE LOT NO.
AVS/SEM**	101599
TOC**	G/272630/0 G/252400/0
SVOC/Pest/PCB	101599
DIOXIN/HCX	101599
TAL METALS	101599
GRAIN SIZE**	
Free Water***	N/A - Zip-lock bag
** surface sed only	***surface sed & bank sed only

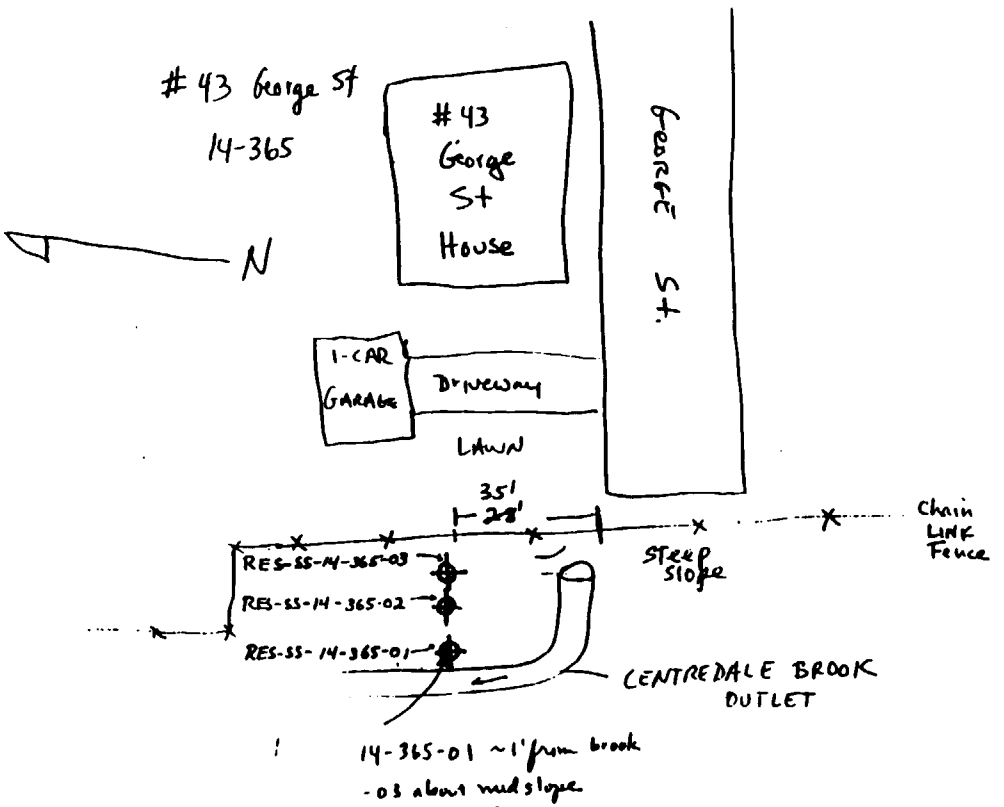
NOTES/SKETCH: Rinsate Blank.

Tt NUS Form 0005A

41 STEERE AVE

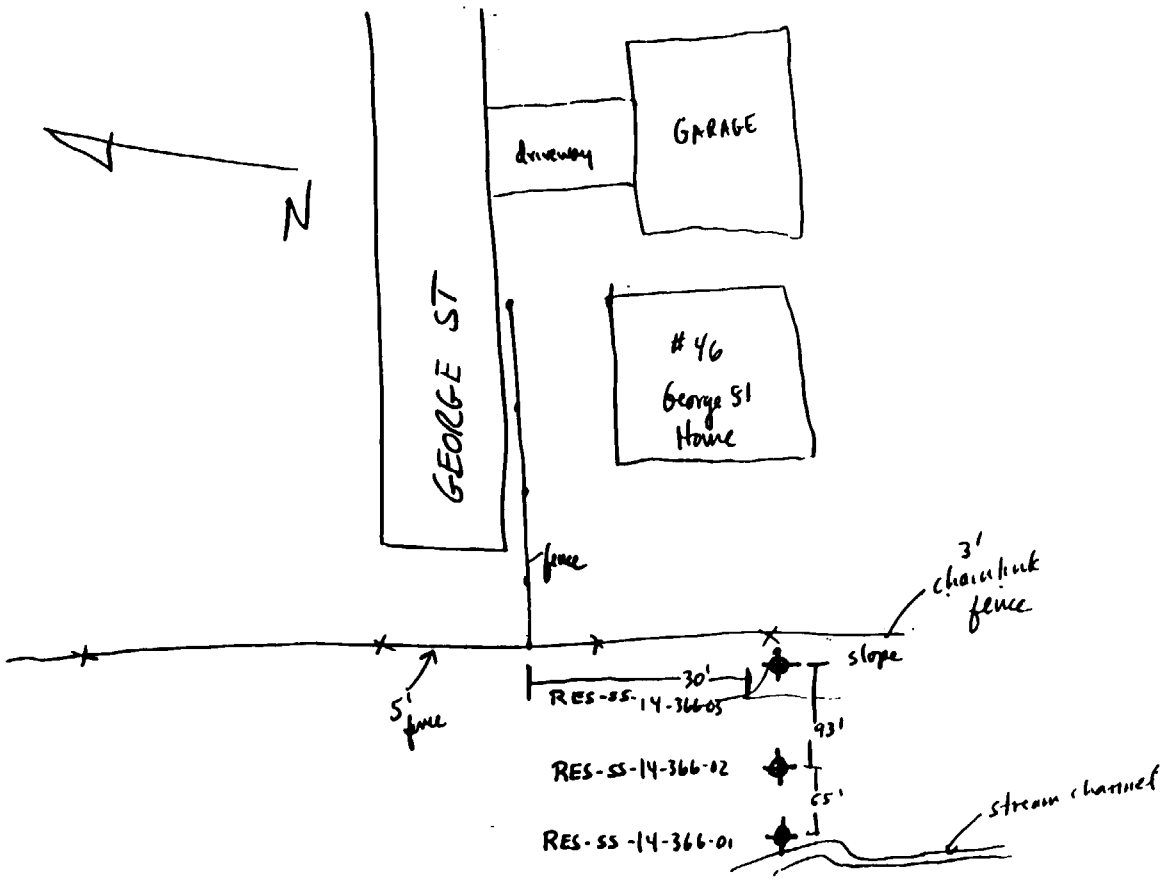
JOB NO: RES-14-271
SUBJECT: 41 STEERE AVE
COMPUTER
CHKD BY: KTD
APPD BY:
DATE: 11/15/99
SHEET No. 1 OF 1

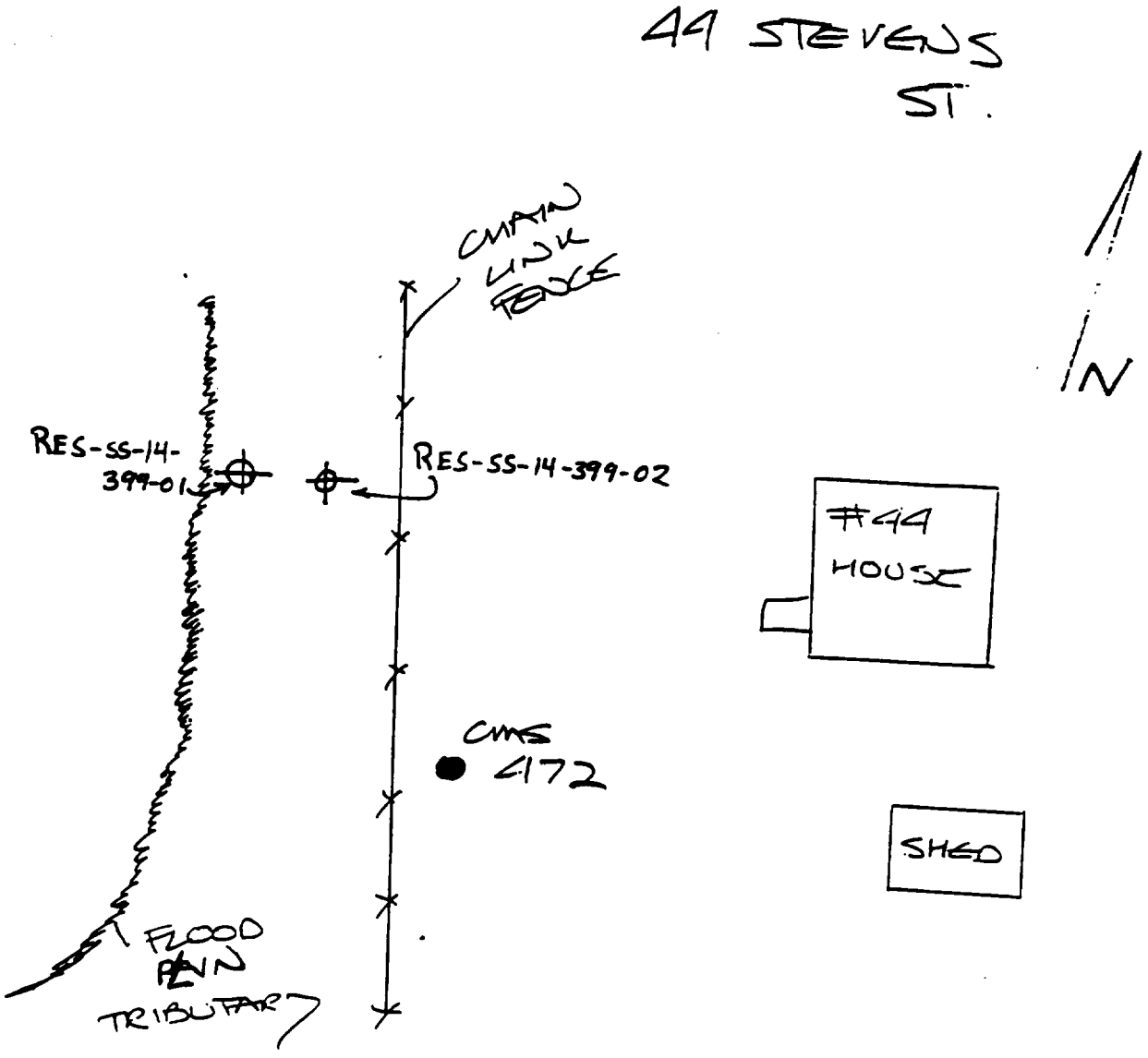

RES 42 REDFERN ST
14-303, 333 & 334 lots
SHEET No 1 OF 1
11/15 '99
N
#42 REDFERN ST.
STone foundation
14-303
14-334 LOT
14-333
REDFERN
Asphalt
GROVER
LAWN
LAWN
2-CAR GARAGE
chainlink fence
01 ~ 2' from water's edge
CMS-481A
01 ~ 1' from water edge
CMS-482A
45'
CMS-225
40'
40'
STEEP SLOPE DOWN TO STREAM
14-303-02
14-303-01
9' horz. and 2' vert change
4'
4'
14-333-03
14-333-02
14-333-01
CMS-483-A, B, C
STREAM

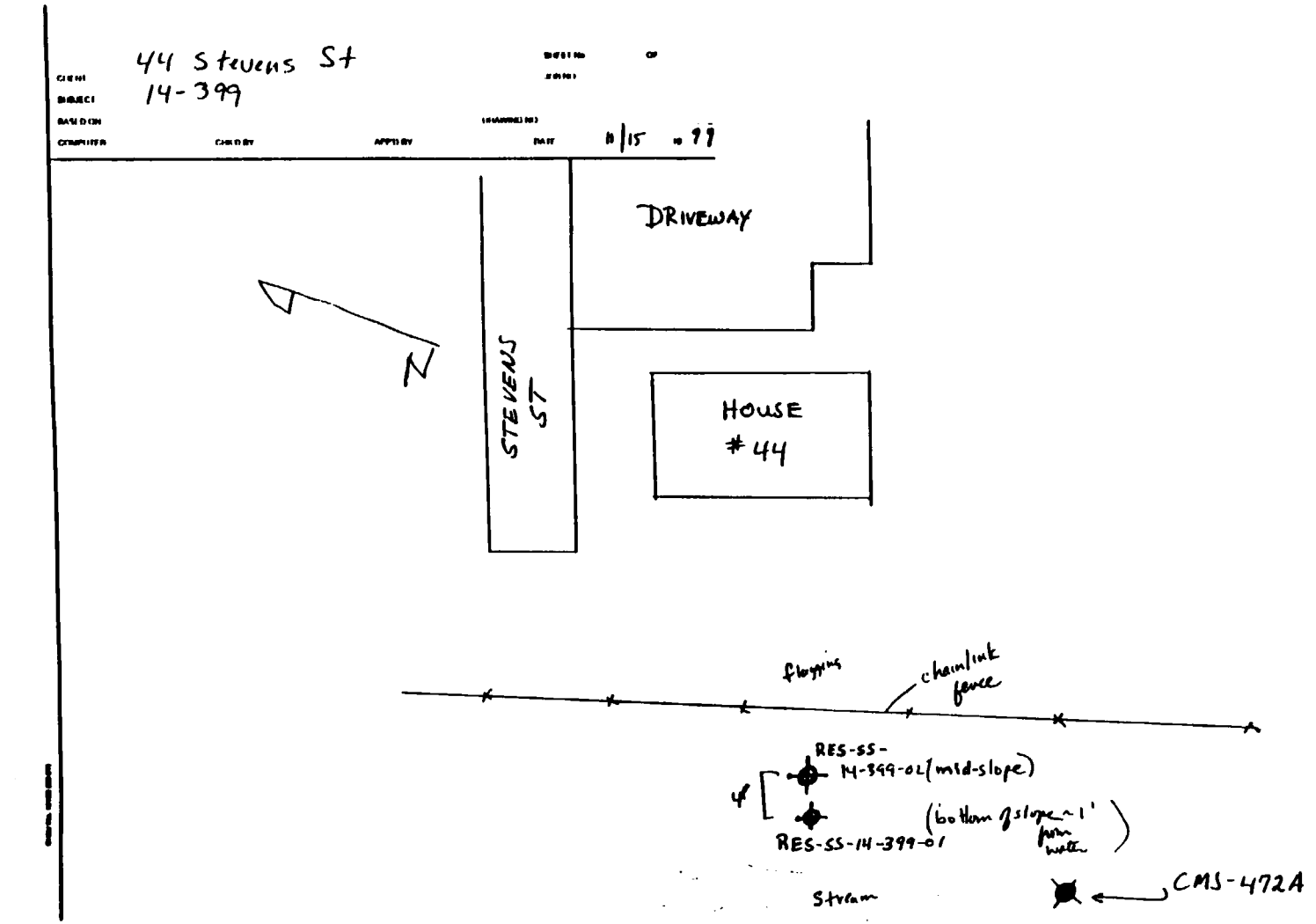

#43 George St
14-365
N
#43 George St House
George St.
1-CAR GARAGE
Driveway
LAWN
35'
28'
Chain LINK Fence
Steep slope
RES-SS-14-365-03
RES-SS-14-365-02
RES-SS-14-365-01
CENTREDALE BROOK OUTLET
14-365-01 ~1' from brook
-03 about mid slope

46 George St.
14-366

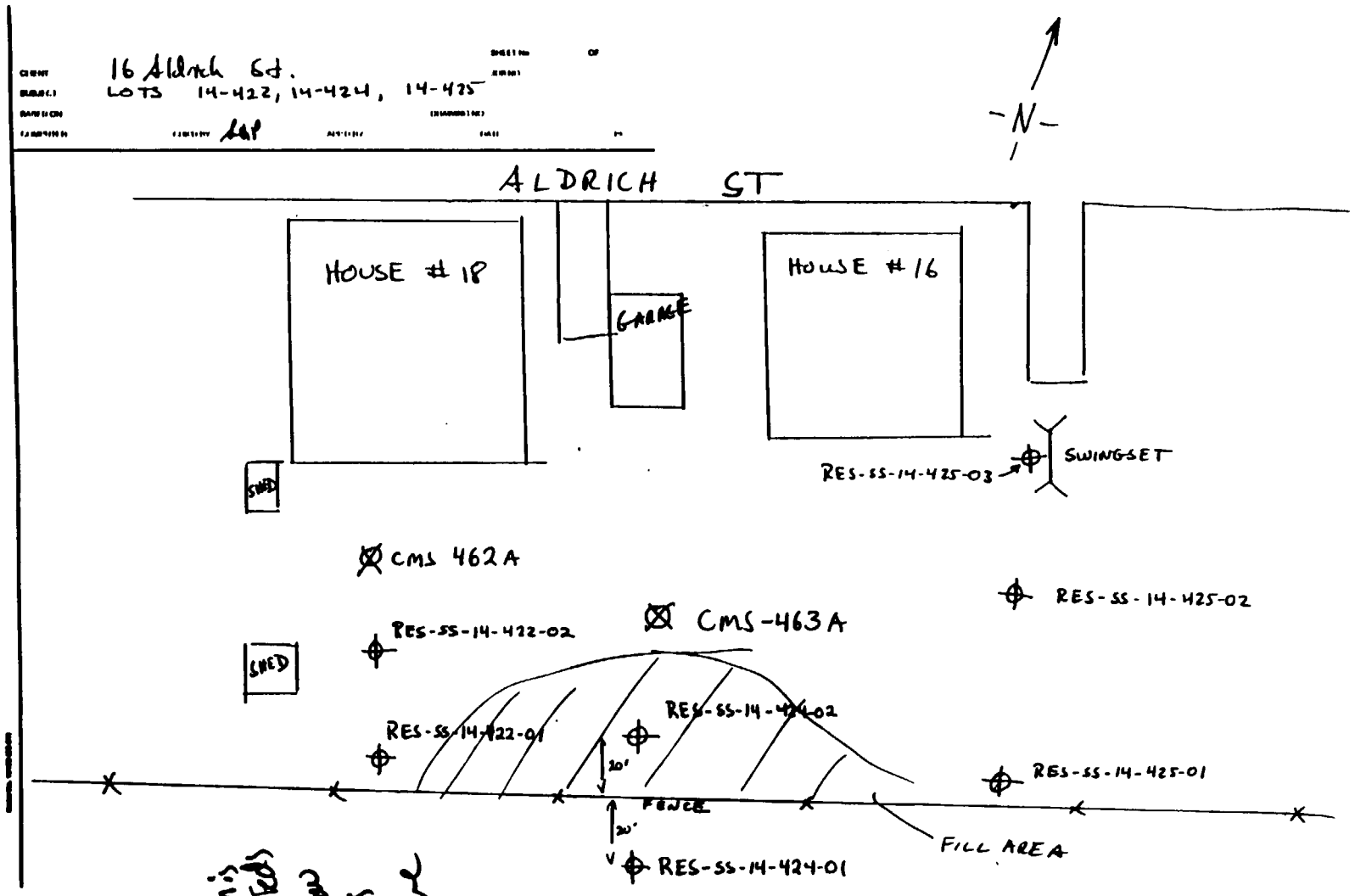
11/15 99



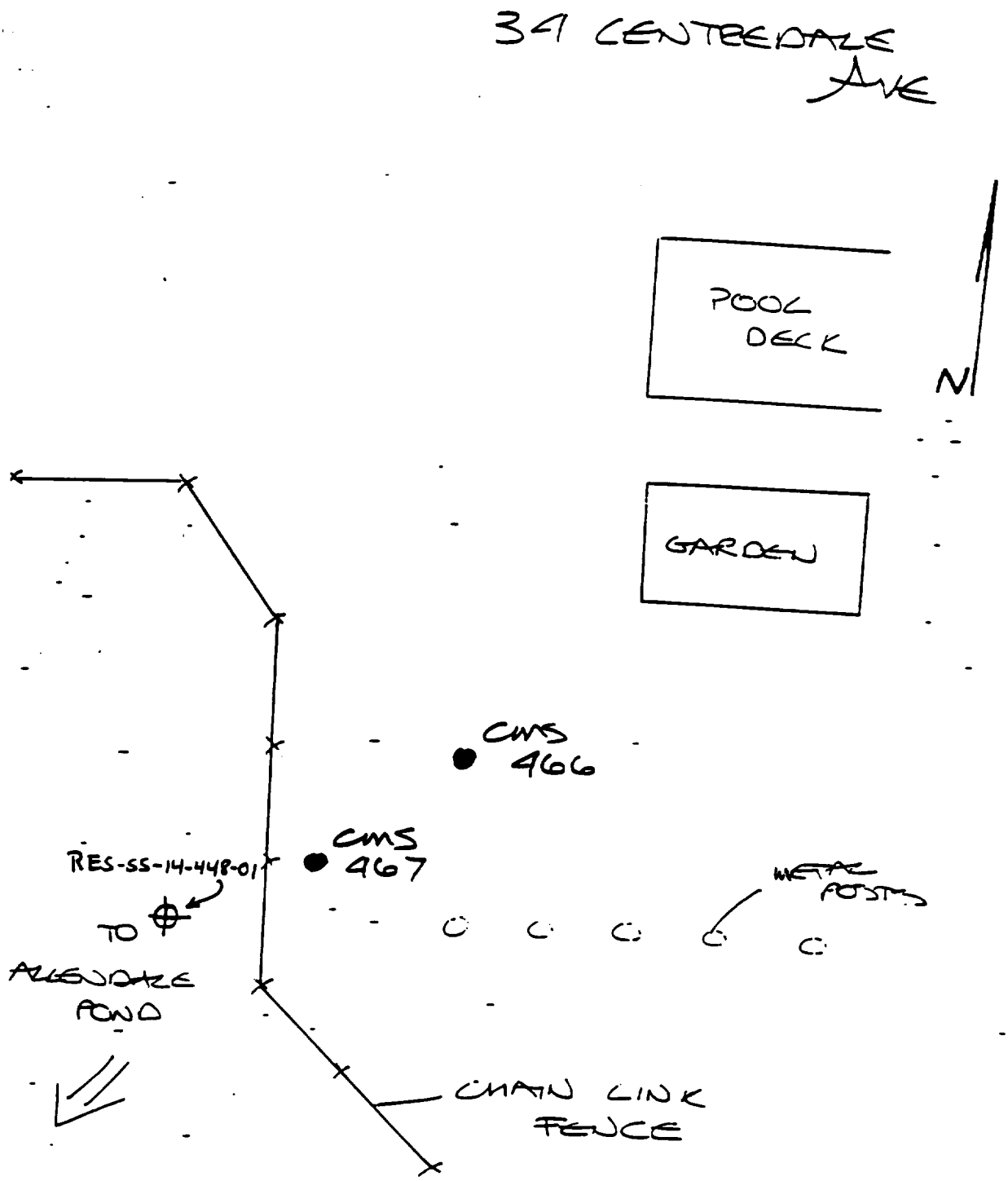

44 STEVENS ST.
N
CHAIN LINK FENCE
RES-SS-14-399-01
RES-SS-14-399-02
#44 HOUSE
CMS 472
SHED
FLOOD PLAIN
TRIBUTARY

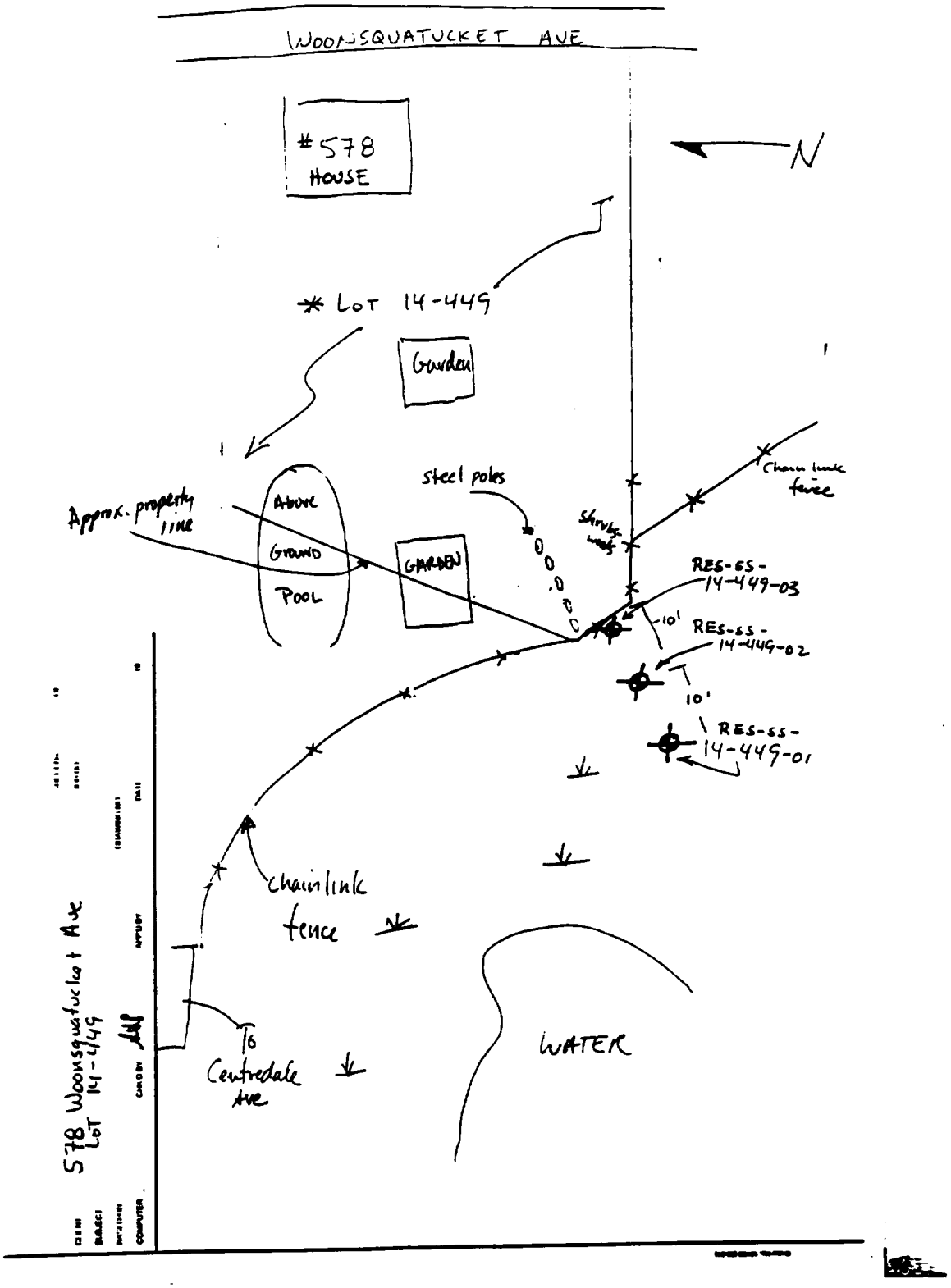

44 Stevens St
14-399
11/15 99
DRIVEWAY
N
STEVENS ST
HOUSE #44
flagging
chainlink fence
RES-SS-14-399-02 (mid-slope)
RES-SS-14-399-01 (bottom of slope ~1' from water)
Stream
CMS-472A

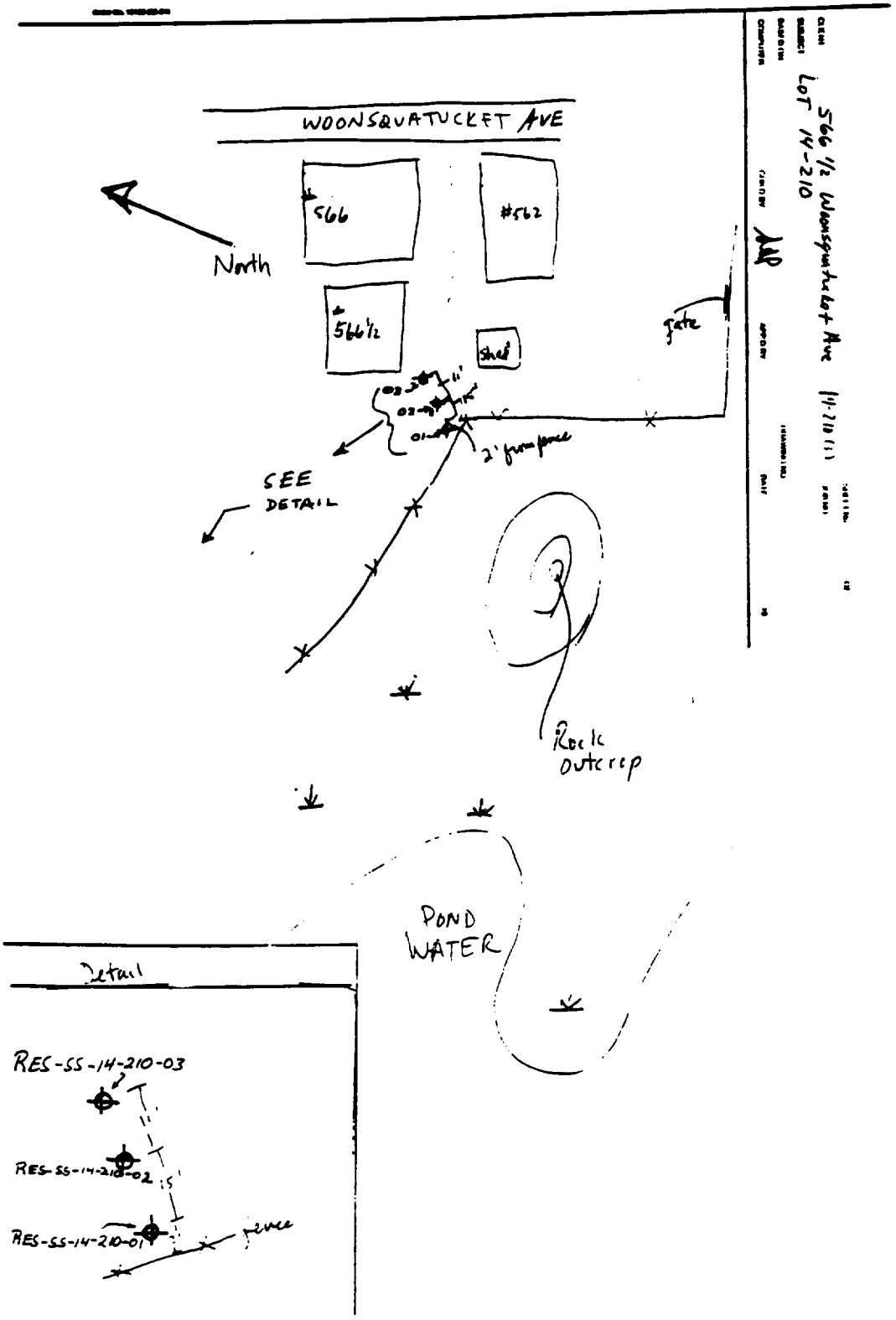
16 Aldrich St.
LOTS 14-422, 14-424, 14-425



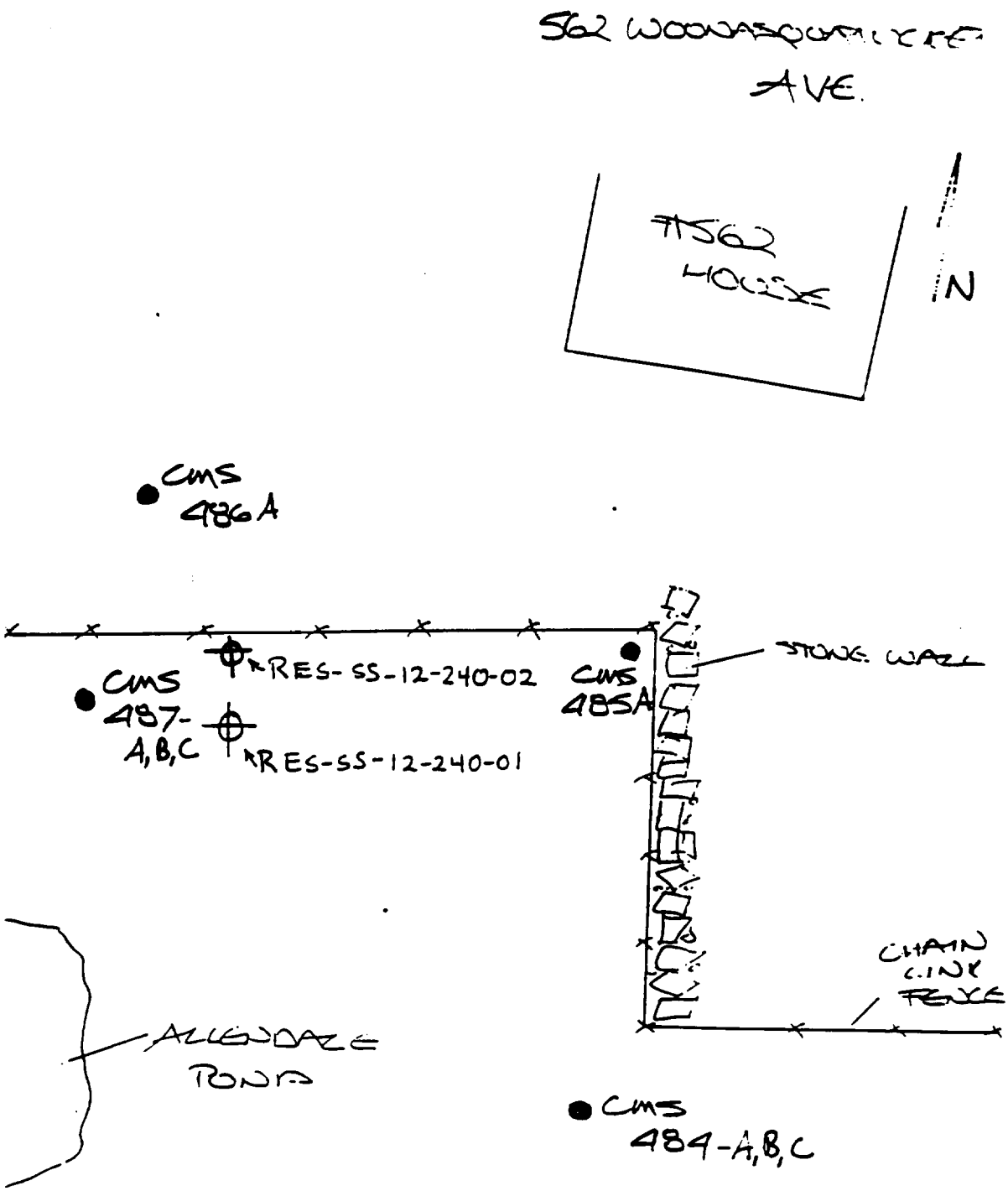
Area made use made of this a creek Shelter for Kids can be made shed and shed houses baby Shower

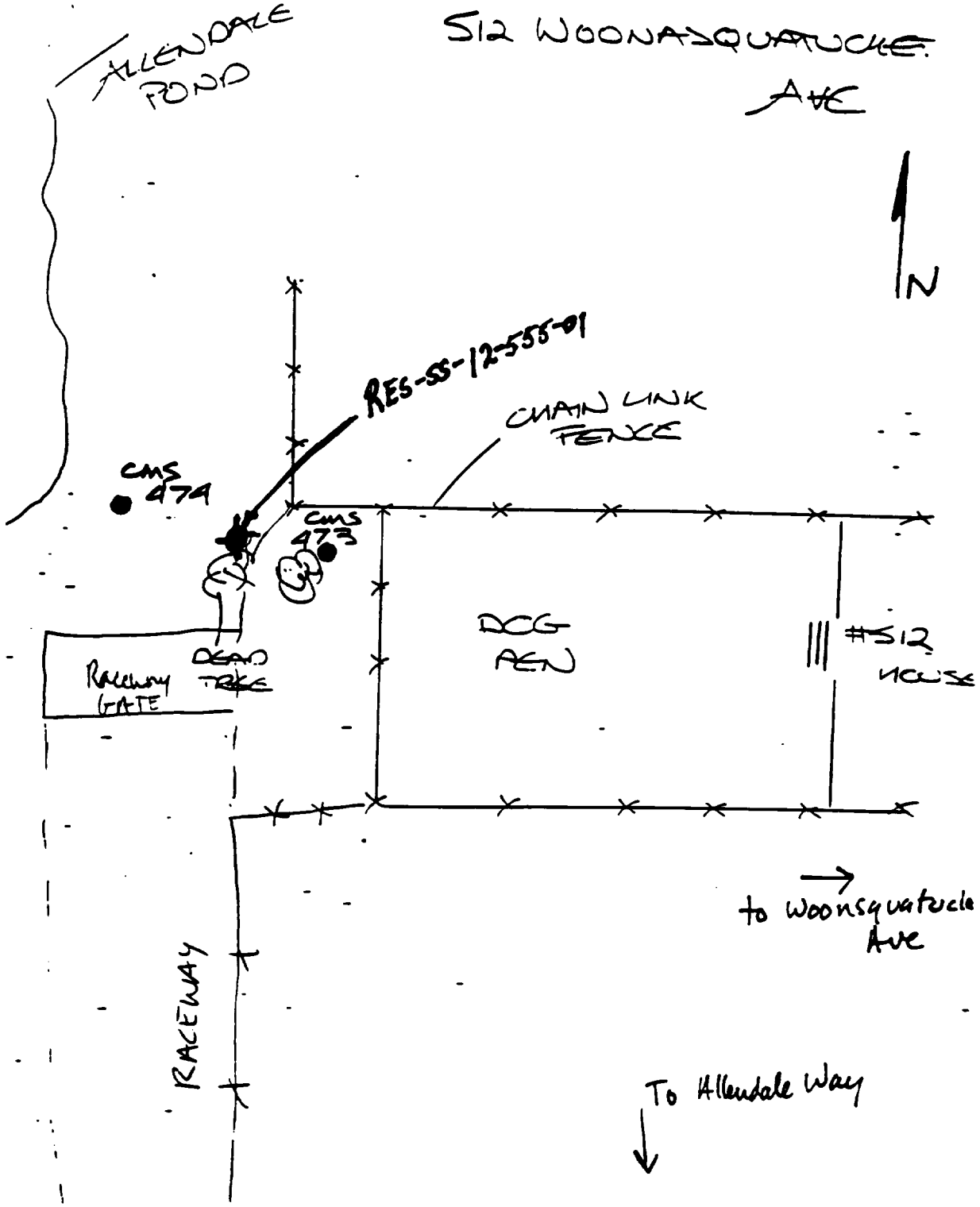

34 CENTERDALE AVE
POOL DECK
N
GARDEN
CMS 466
CMS 467
RES-SS-14-448-01
TO
ALGONQUIN POND
METAL POSTS
CHAIN LINK FENCE

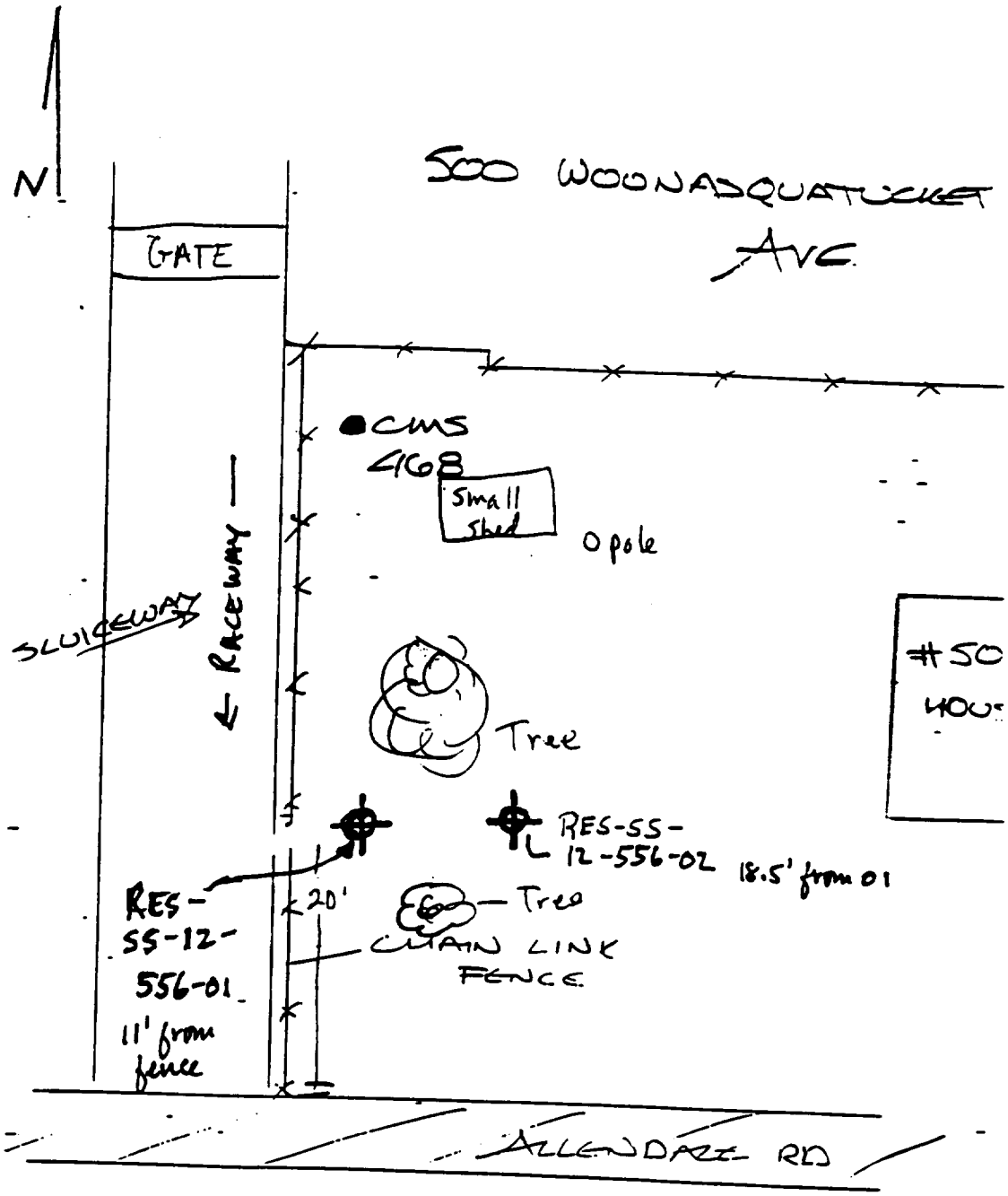

WOONSQUATUCKET AVE
#578 HOUSE
N
LOT 14-449
Garden
Approx. property line
Above Ground Pool
GARDEN
steel poles
Shrubs
Chain link fence
RES-ES-14-449-03
10'
RES-ES-14-449-02
10'
RES-ES-14-449-01
chain link fence
To Centredale Ave
WATER
578 Woonsquatucket Ave
Lot 14-449

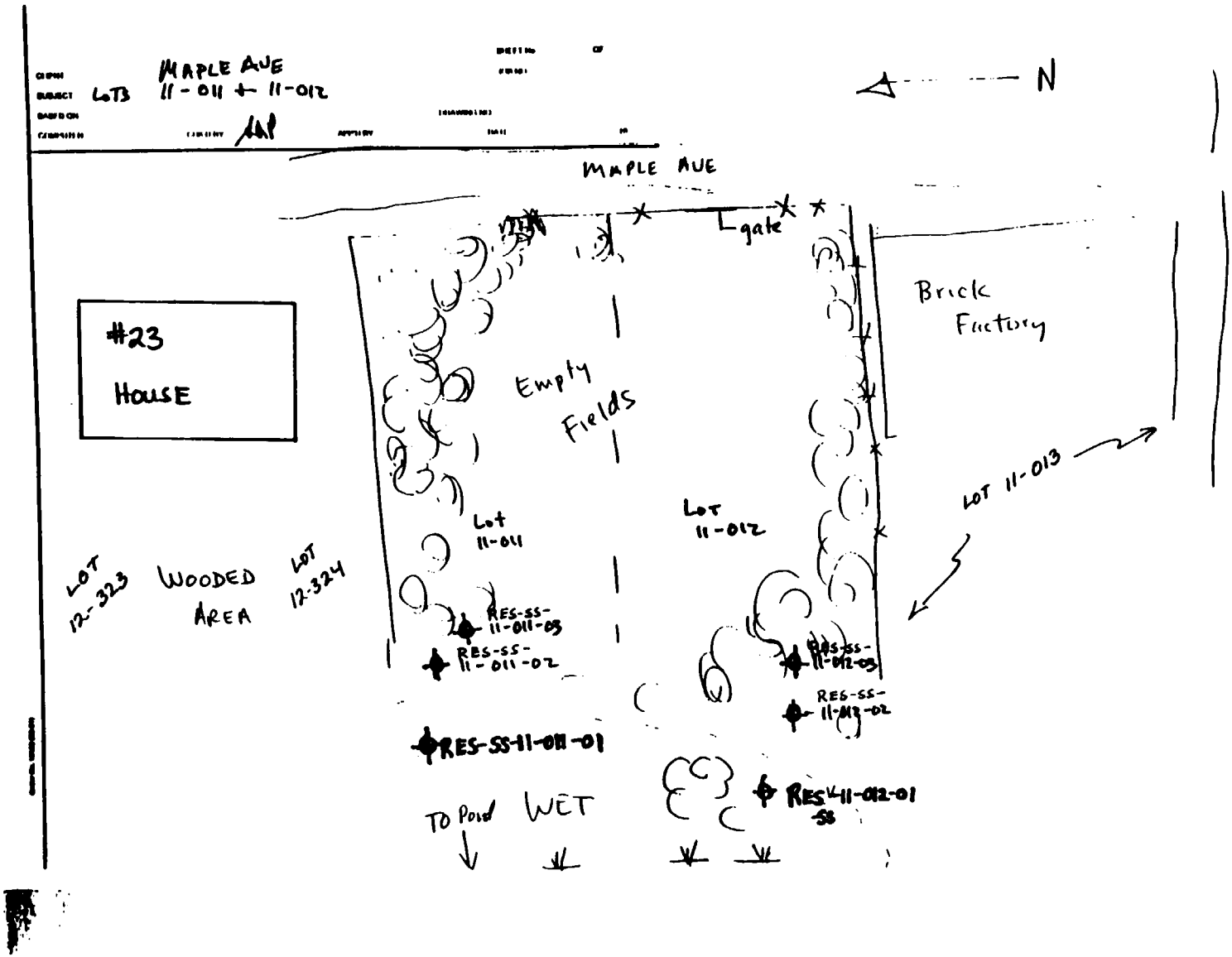


566 1/2 Woonsquatucket Ave
Lot 14-210

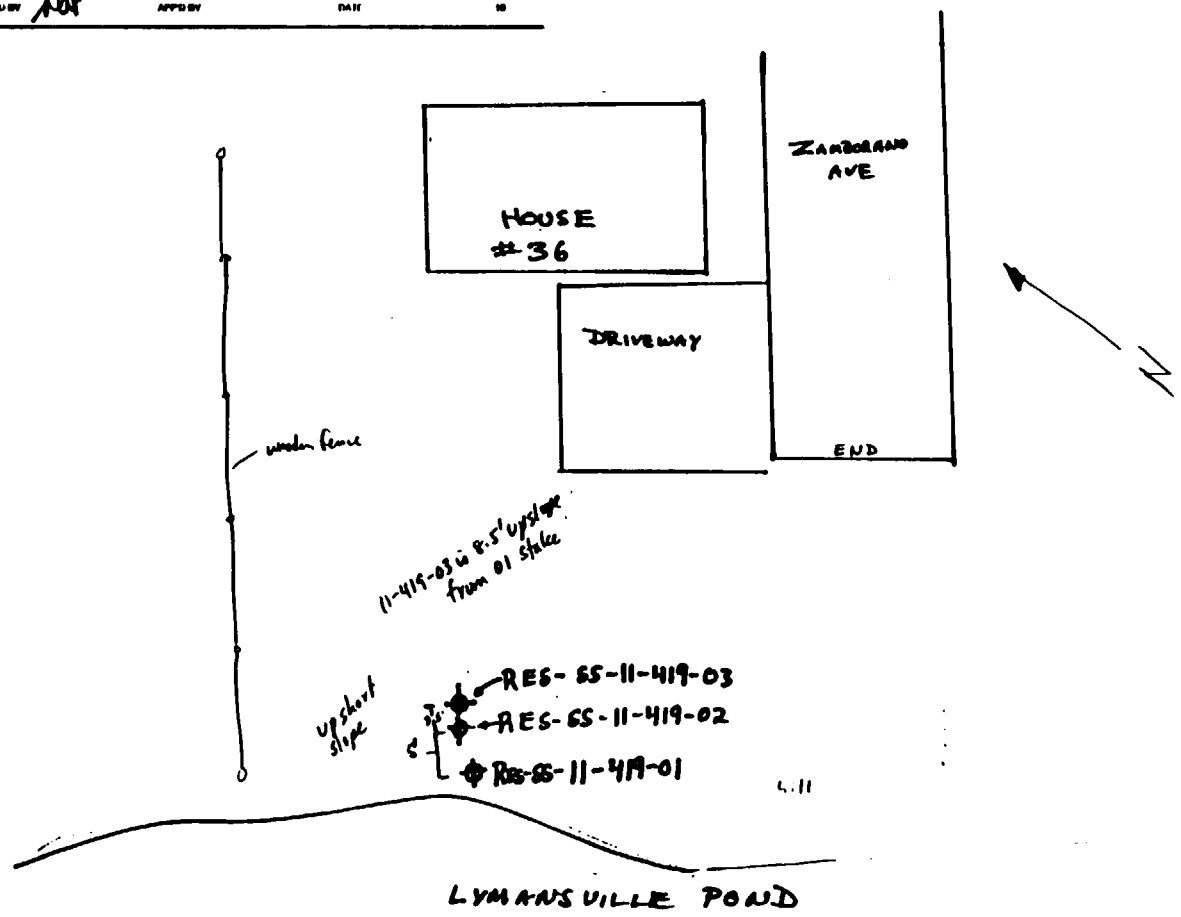

562 WOODASQUAMICKET AVE.
#562 HOUSE
N
CMS 486A
RES-SS-12-240-02
CMS 485A
STONE WALL
CMS 487-A,B,C
RES-SS-12-240-01
CHAIN LINK FENCE
ALLONDALE ROAD
CMS 484-A,B,C


ALLENDALE POND
512 WOONASQUATUCKET AVE
N
RES-SS-12-555-01
CHAIN LINK FENCE
CMS 474
CMS 473
DCG AEN
#512 HOUSE
RACEWAY GATE
to Woonsquatucket Ave
RACEWAY
To Allendale Way


N
500 WOONASQUATUCKET AVE
GATE
CMS 4168
Small Shed
0 pole
SLUICEWAY
RACEWAY
Tree
#50
RES-55-12-556-02
18.5' from 01
RES-55-12-556-01
11' from fence
20'
Tree
CHAIN LINK FENCE
ALLENDALE RD


LOTS
MAPLE AVE
11-011 + 11-012
N
MAPLE AVE
gate
#23
HOUSE
Empty
Fields
Brick
Factory
LOT 11-013
Lot
11-011
Lot
11-012
LOT
12-323
WOODED
AREA
LOT
12-324
RES-SS-
11-011-03
RES-SS-
11-011-02
RES-SS-
11-012-03
RES-SS-
11-012-02
RES-SS-11-011-01
TO Pond
WET
RES-SS-11-012-01

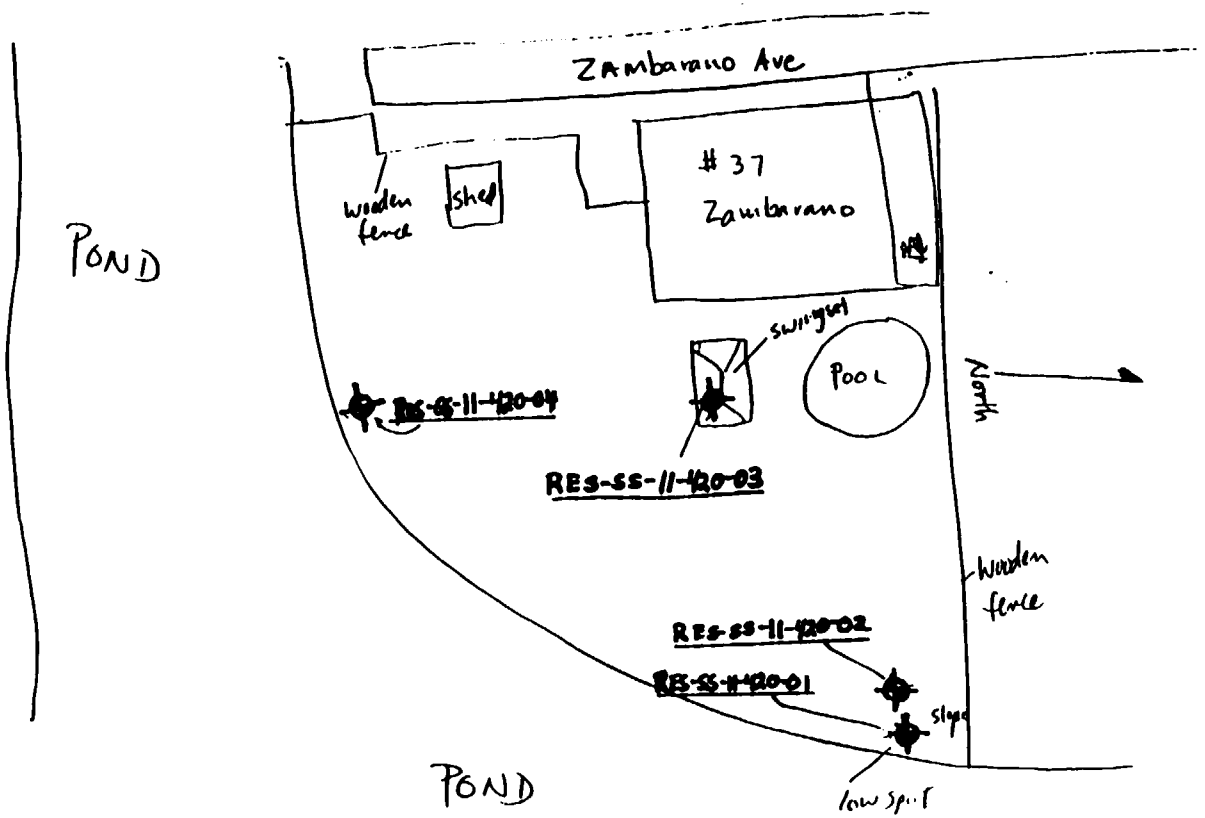
36 Zambarano
Lot 11-419



37 Zambarano
Lot 11-420

SHEET NO 11 OF 420.

CLIENT
SUBJECT
BASED ON
COMPUTED CHKD BY HP APP'D BY DATE

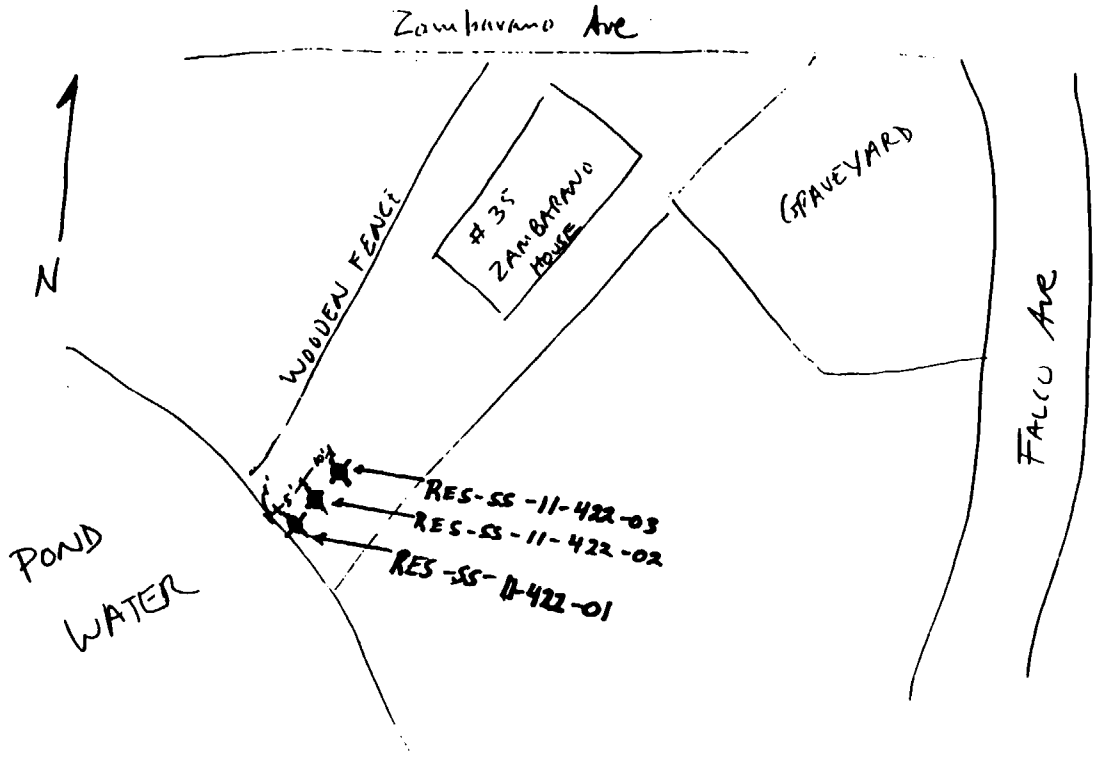


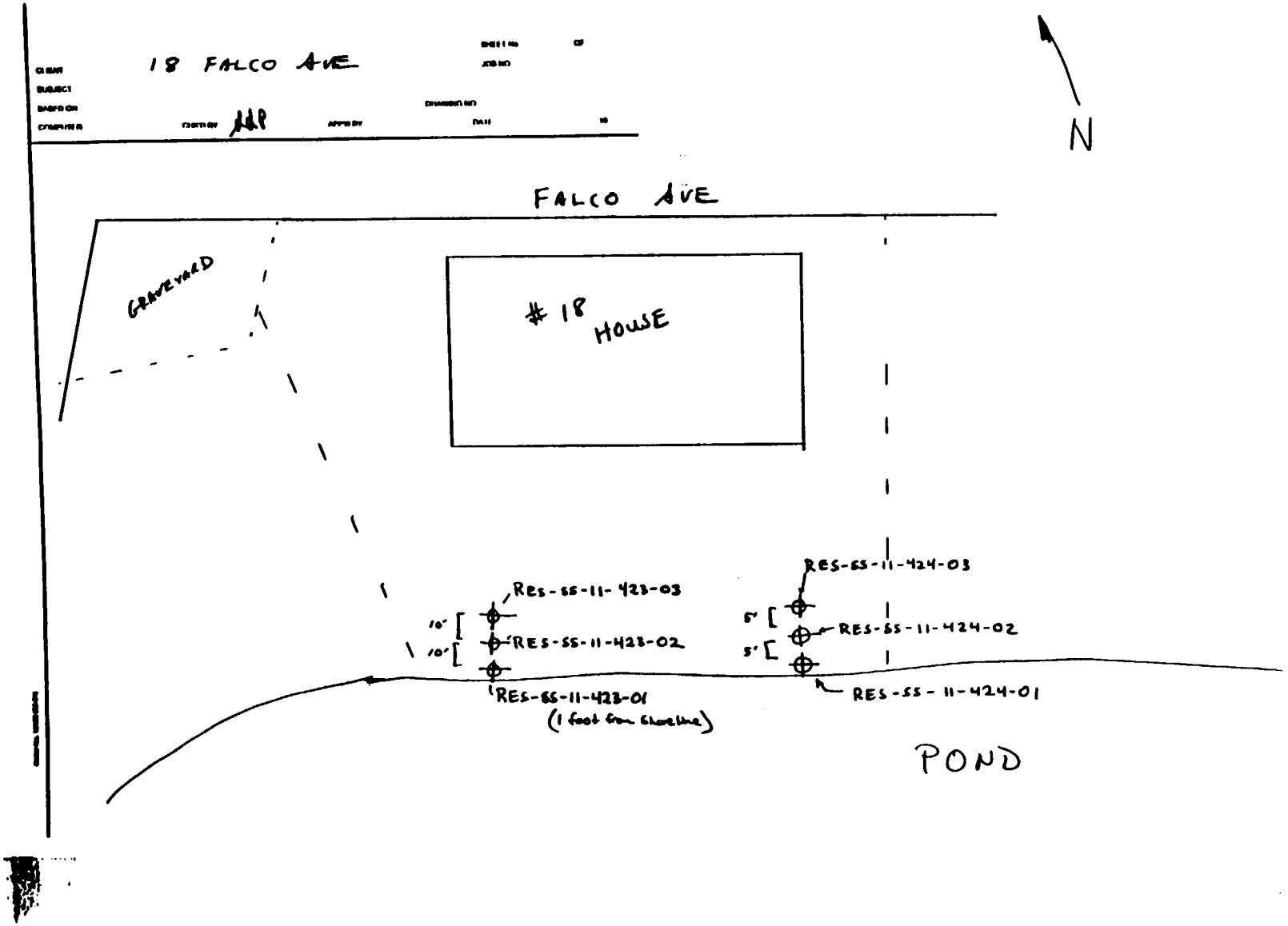
CLIENT 35 Zambarano

SUBJECT Lot 11-422

BASED ON

COMPUTER CHKD BY AP APPD BY DATE




18 FALCO AVE
N
FALCO AVE
GRAVEYARD
18 HOUSE
RES-55-11-424-03
RES-55-11-423-03
10'
10'
5'
5'
RES-55-11-424-02
RES-55-11-423-02
RES-55-11-423-01
(1 foot from shoreline)
RES-55-11-424-01
POND

CLIENT 16 FALCO AVE

SUBJECT LOTS 11-425, 11-426

BASED ON

DRAWING NO.

CHECKED BY DAP



FALCO AVE

GARAGE

#16 HOUSE

RES-SS-11-425-03 → ⊕] 10'

RES-SS-11-425-02 → ⊕] 5'

RES-SS-11-425-01 → ⊕ 25'

Dock

10' [⊕ ← RES-SS-11-426-03

5' [⊕ ← RES-SS-11-426-02

⊕ ← RES-SS-11-426-01

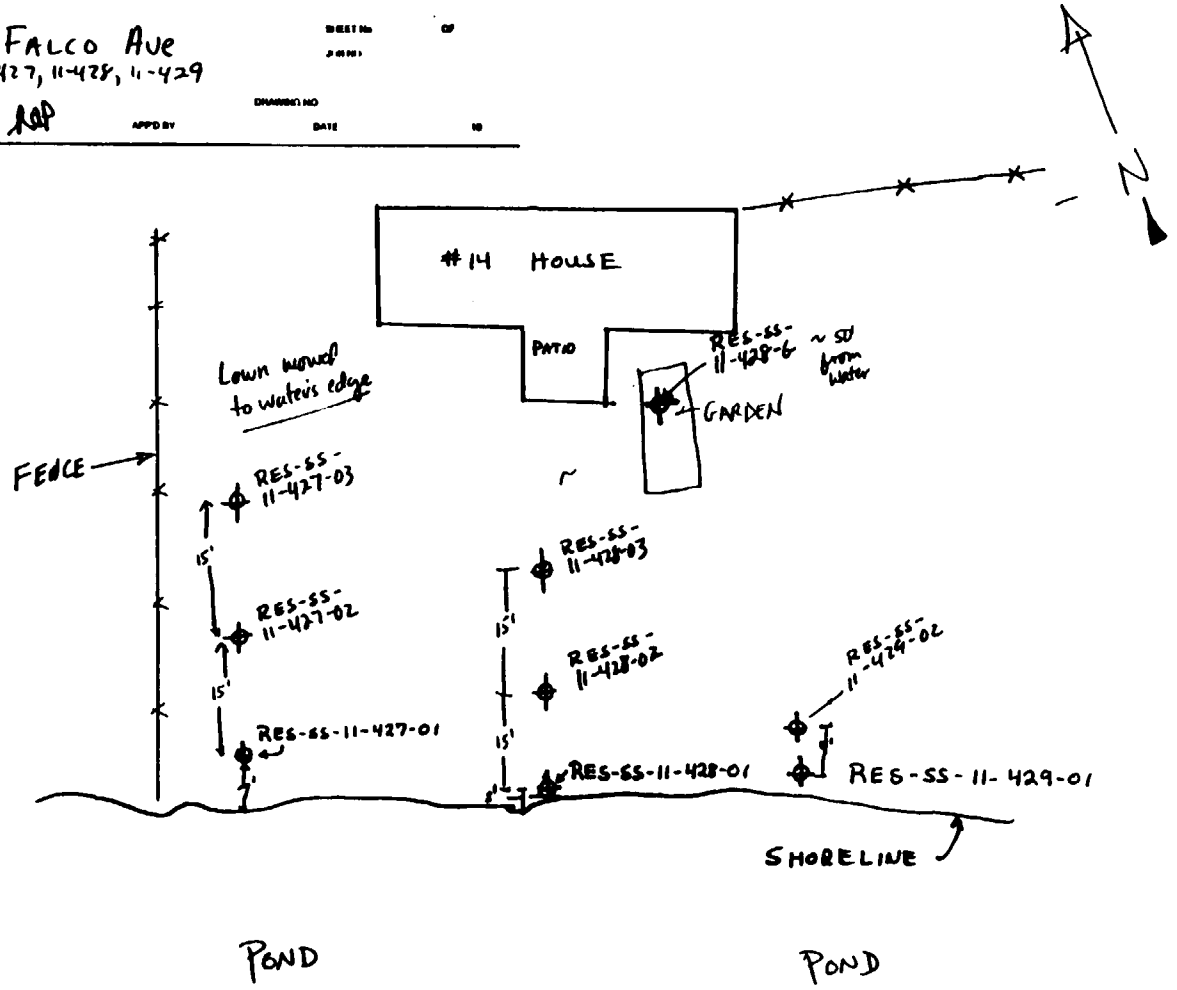
POND

CLIENT

SUBJECT 14 FALCO AVE
Lots 11-427, 11-428, 11-429

BASED ON

COMPUTER CHKD BY RAP APPD BY DATE

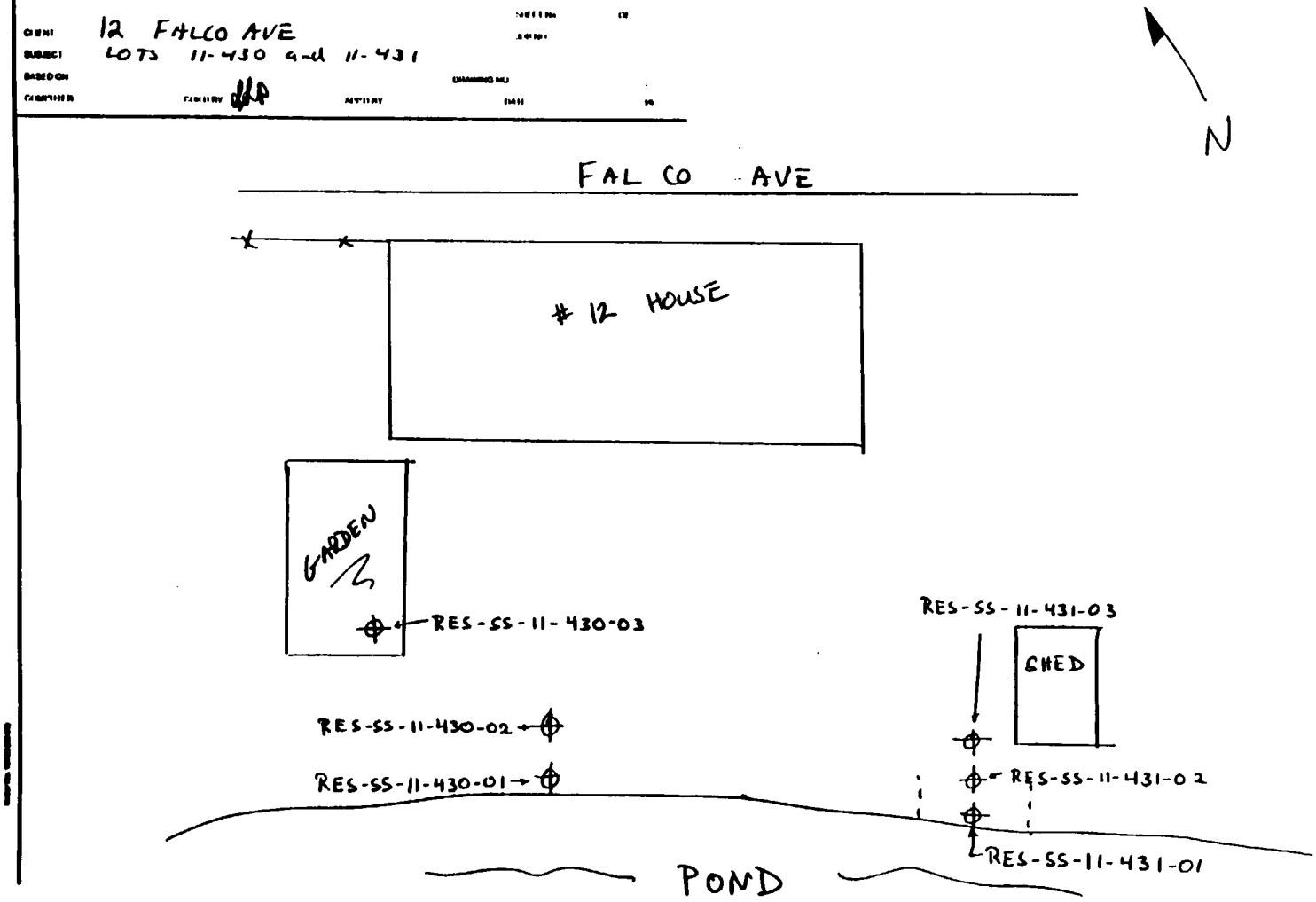


CLIENT 12 FALCO AVE

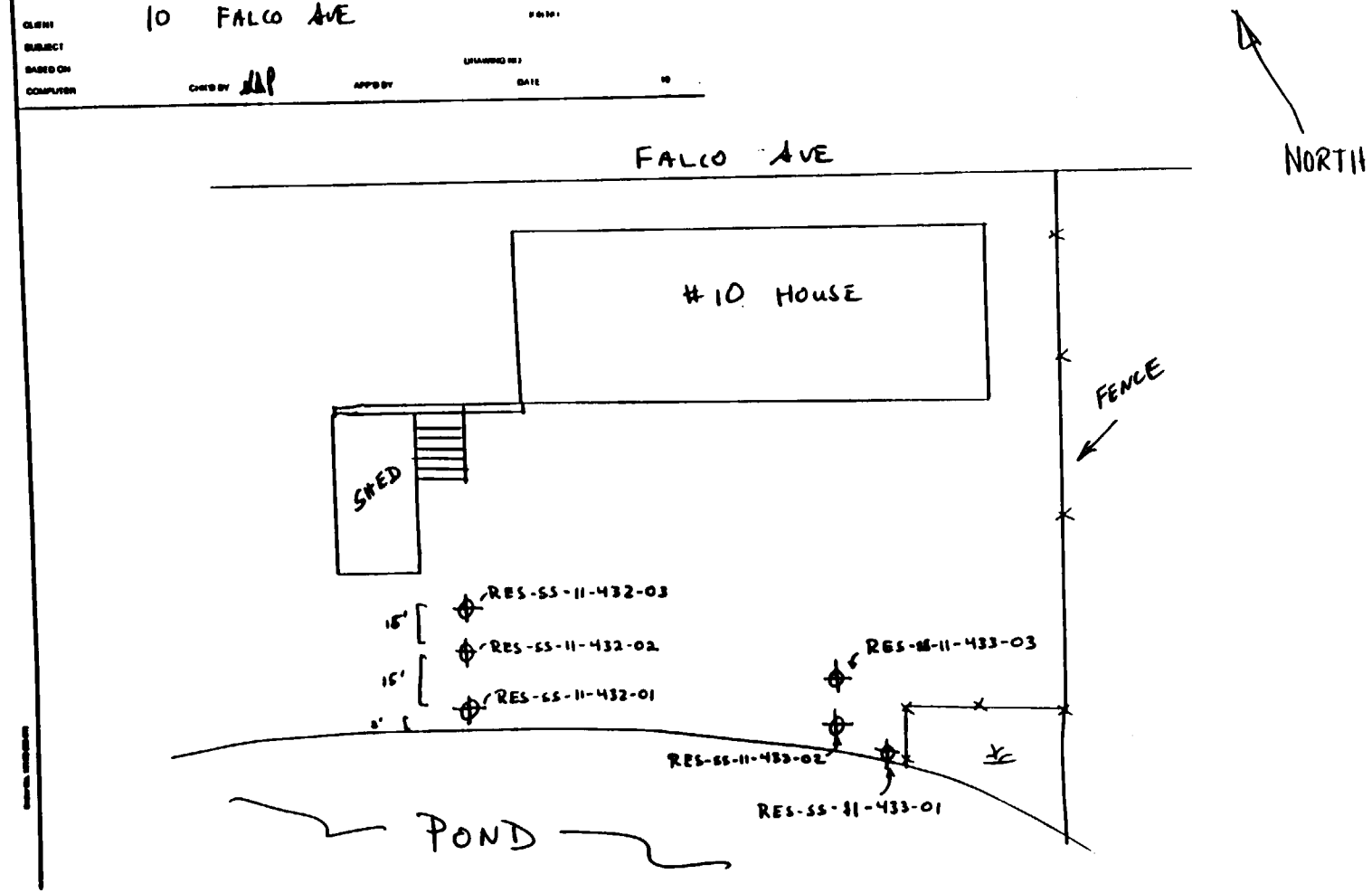
SUBJECT LOTS 11-430 and 11-431

BASED ON

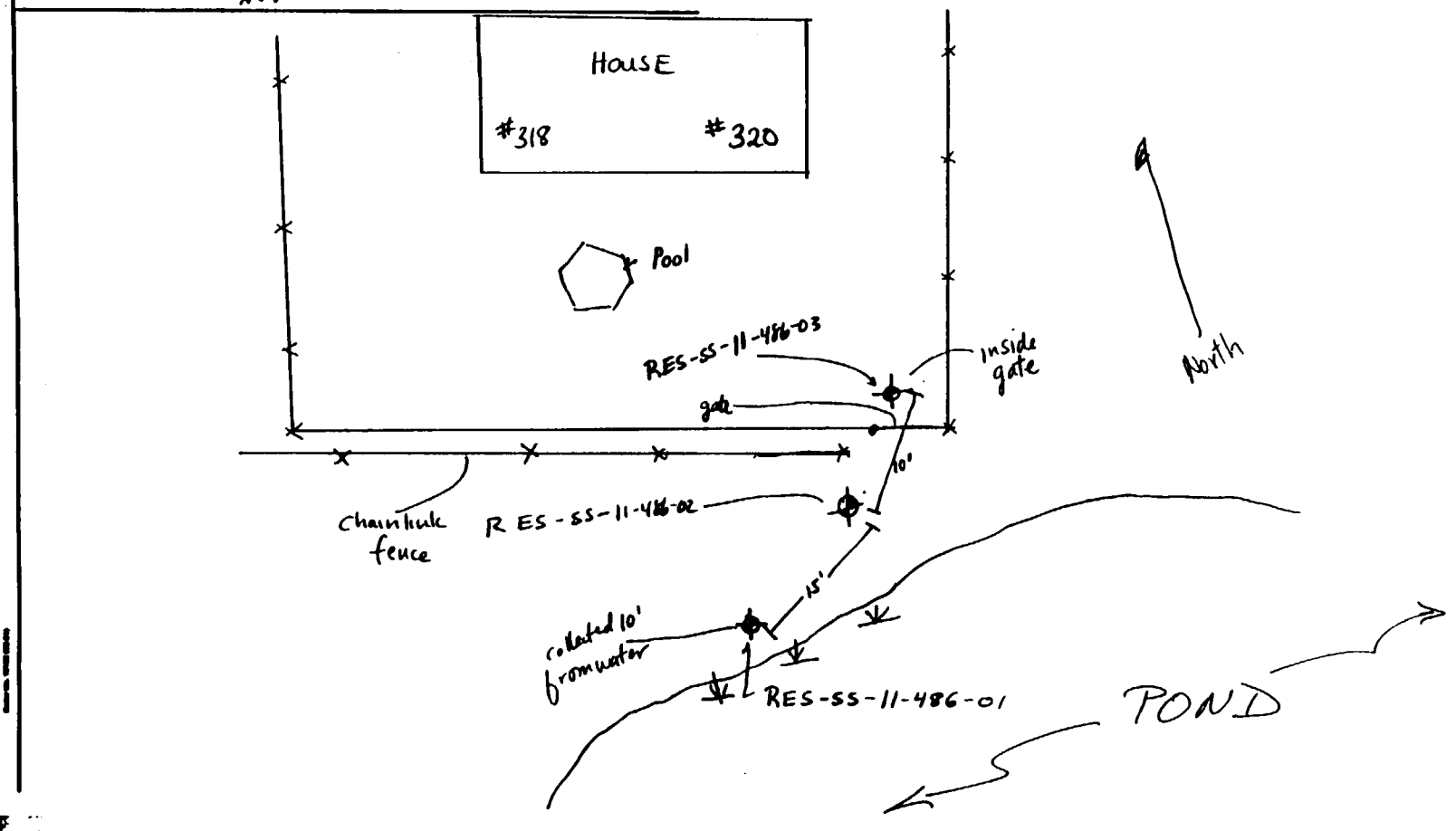
COMPILED BY HLP



10 FALCO AVE

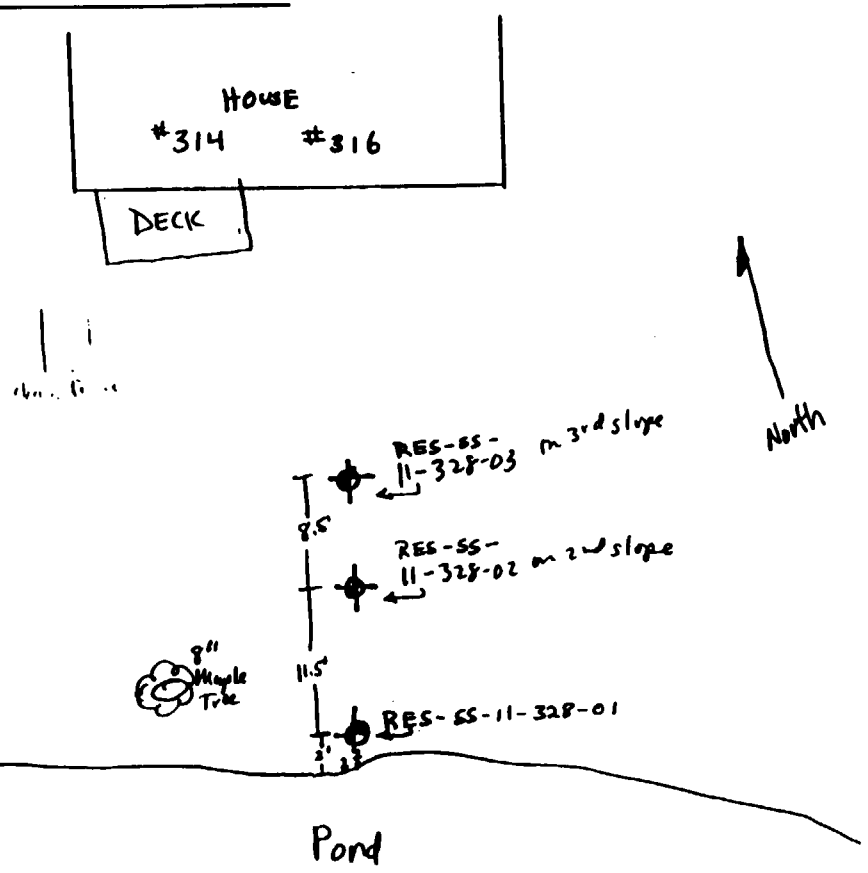

FALCO AVE
NORTH
#10 HOUSE
SHED
FENCE
RES-SS-11-432-03
RES-SS-11-432-02
RES-SS-11-432-01
RES-SS-11-433-03
RES-SS-11-433-02
RES-SS-11-433-01
15'
15'
POND

318/320 Woonsquatucket Ave
lot 11-486



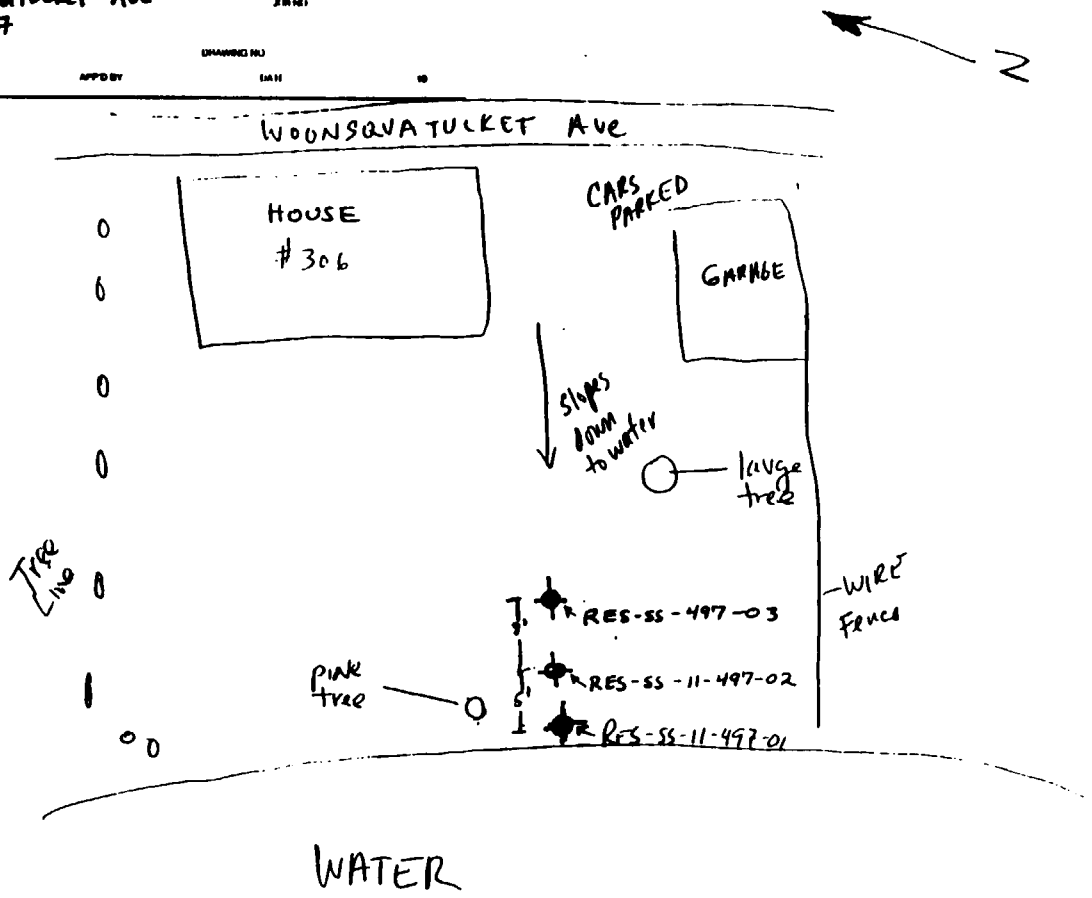
314/316 Woonsquatucket Ave.

Lot 11-328

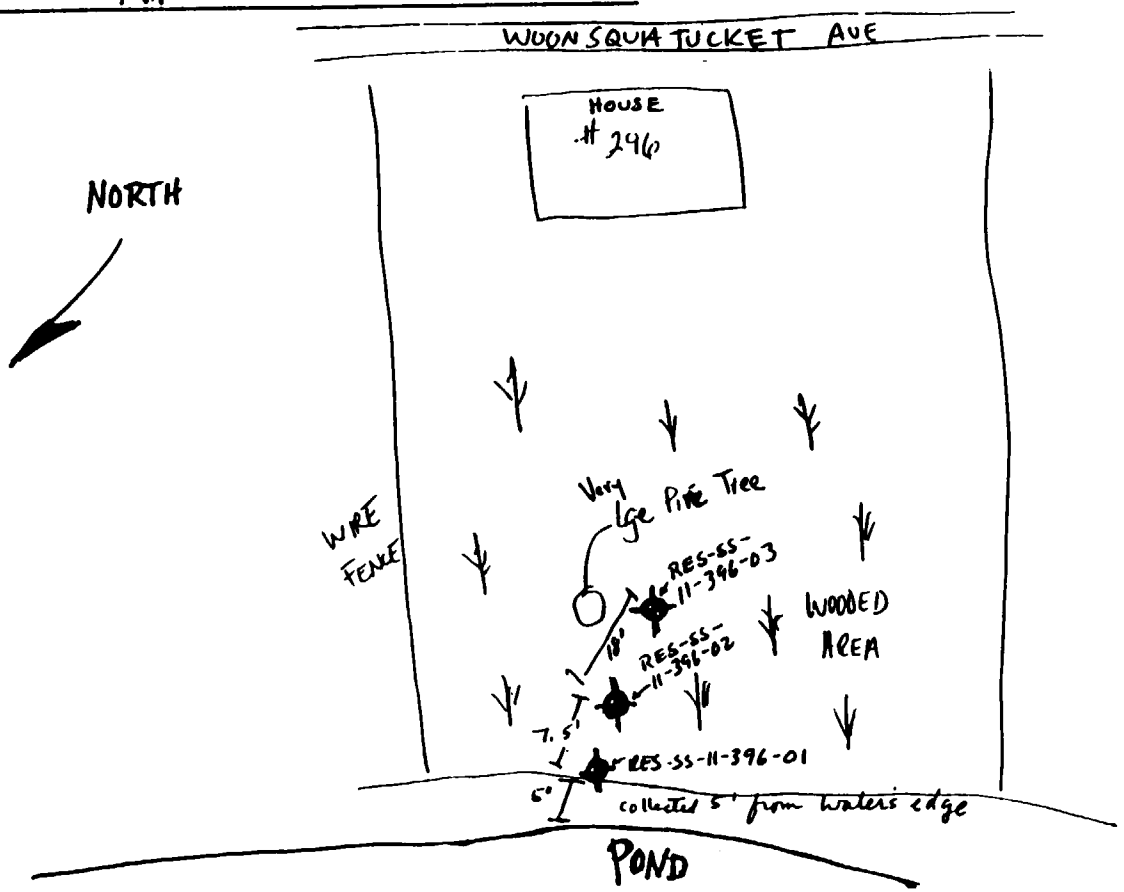


306 Woonsquatucket Ave
Lot 11-497

CHKD BY ALP



296 Woonsquatucket Ave
Lot 11-396

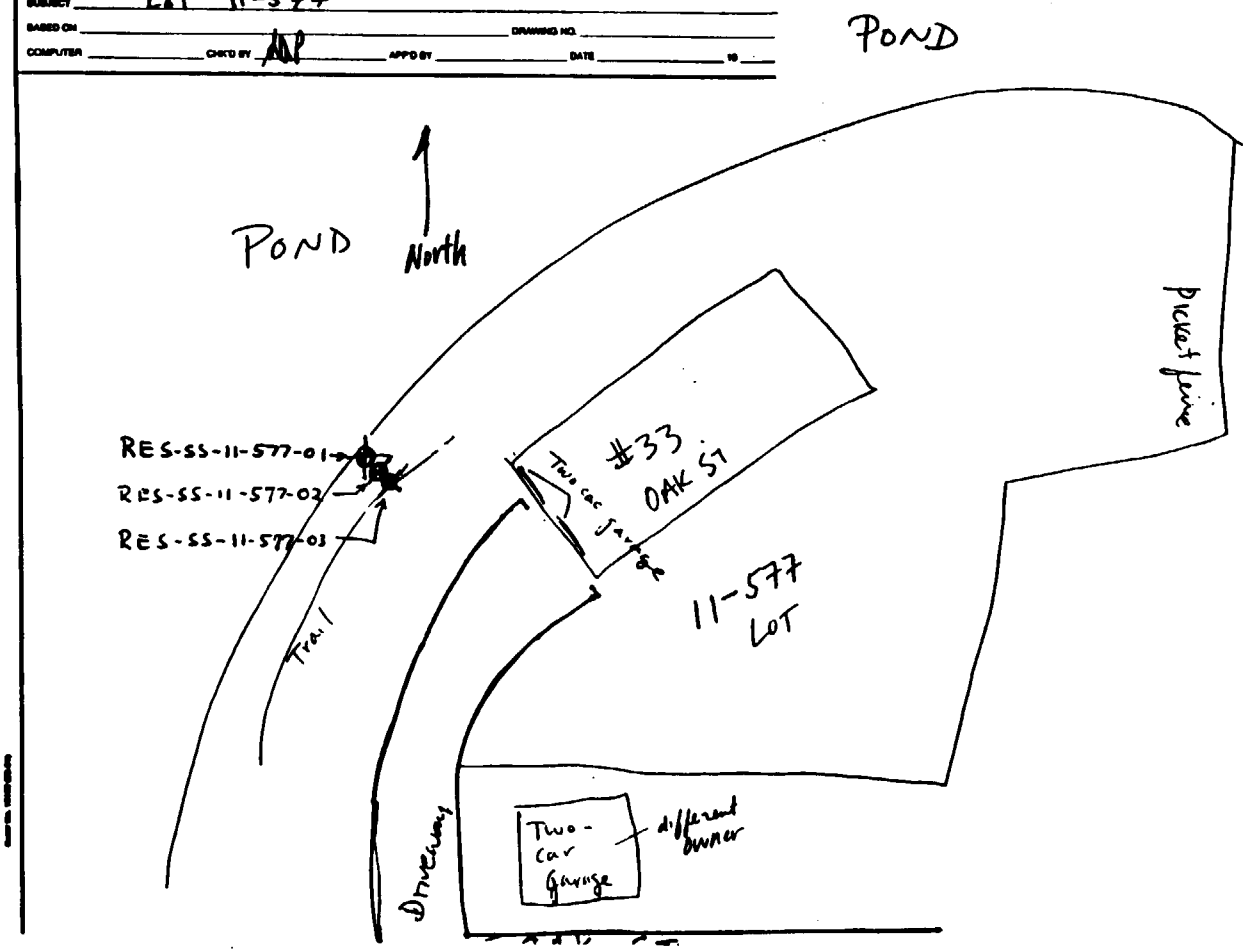


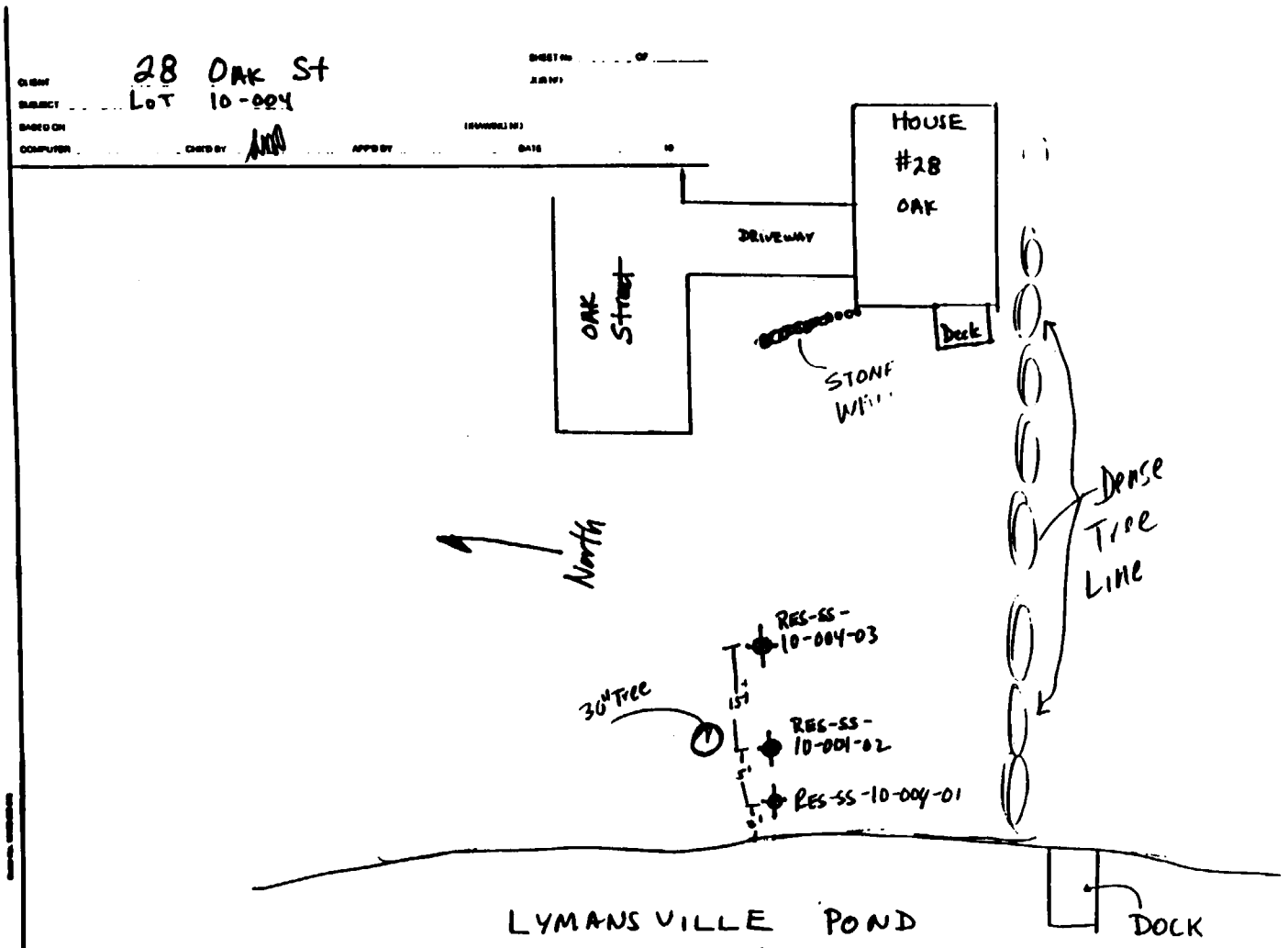
CLIENT 33 OAK St

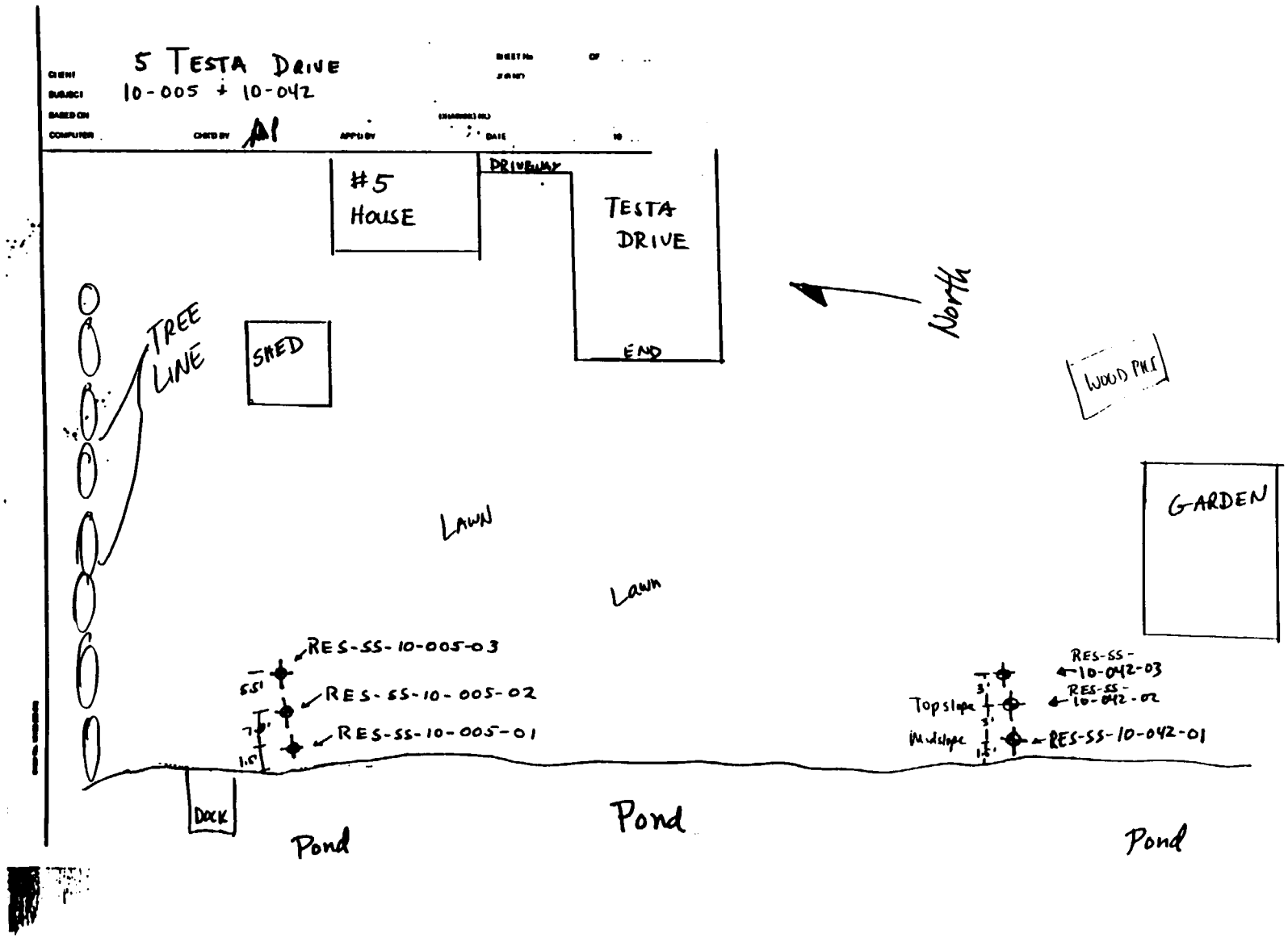
SUBJECT LOT 11-577

BASED ON

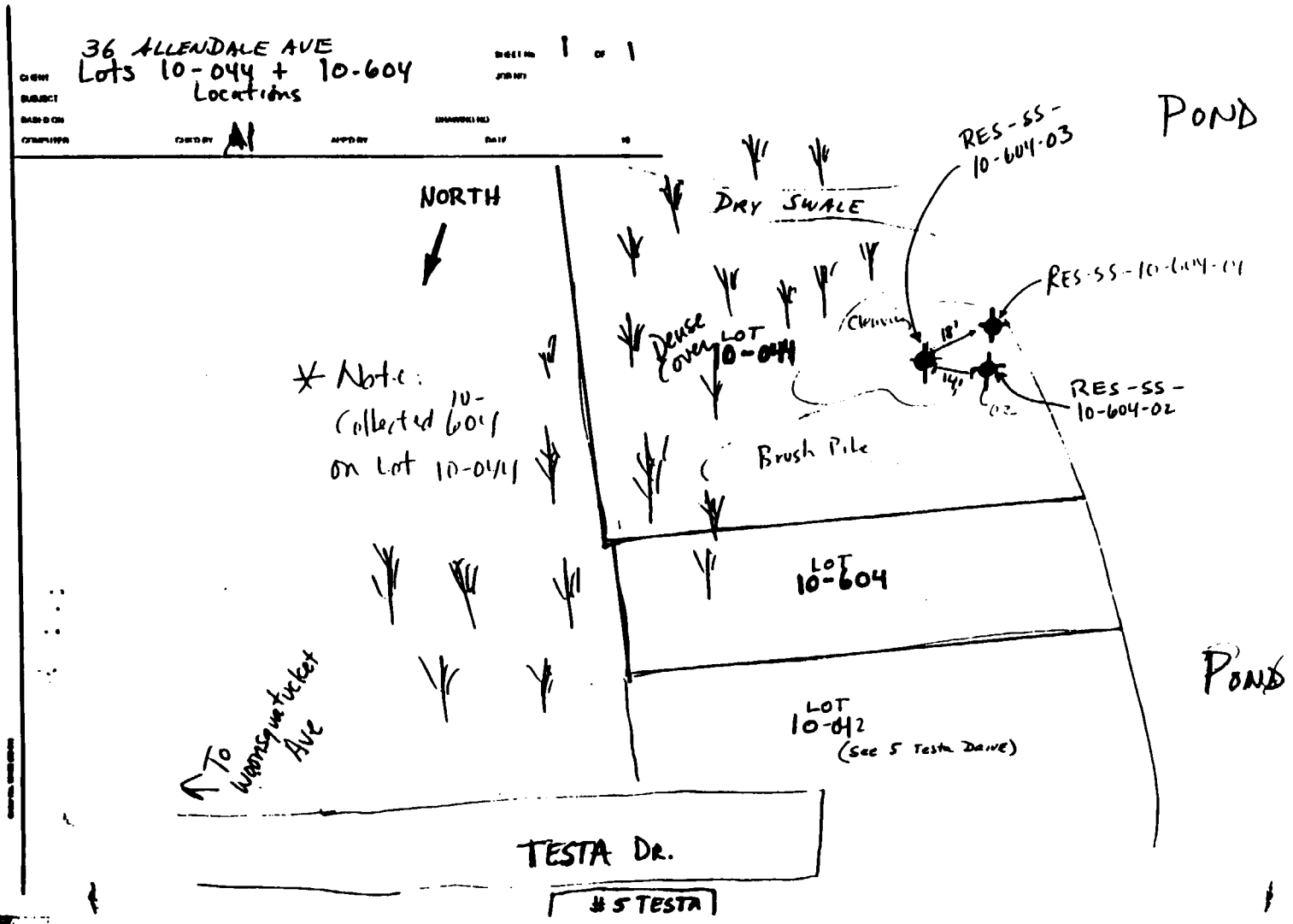
COMPUTER CHK'D BY ADP APP'D BY DATE

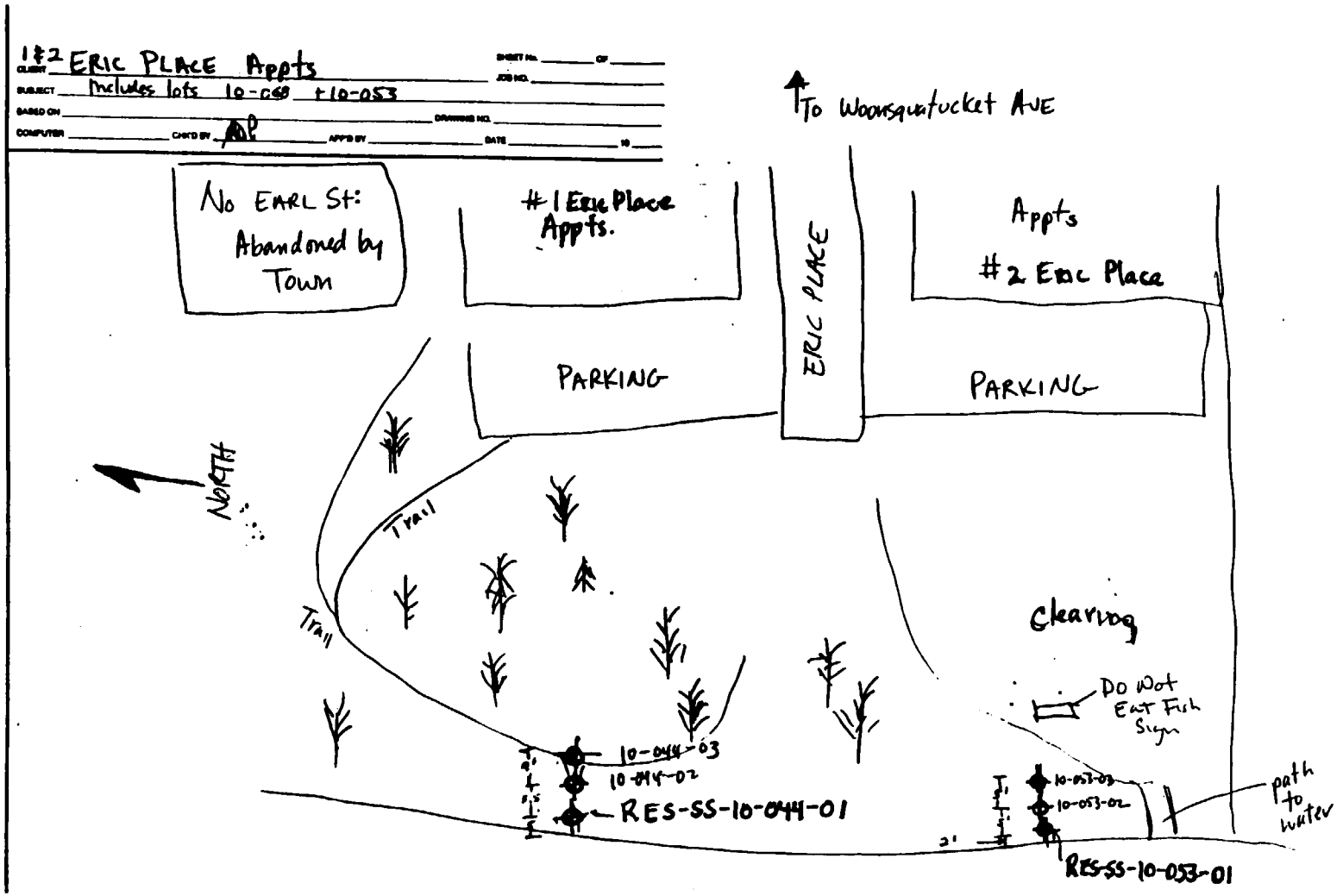


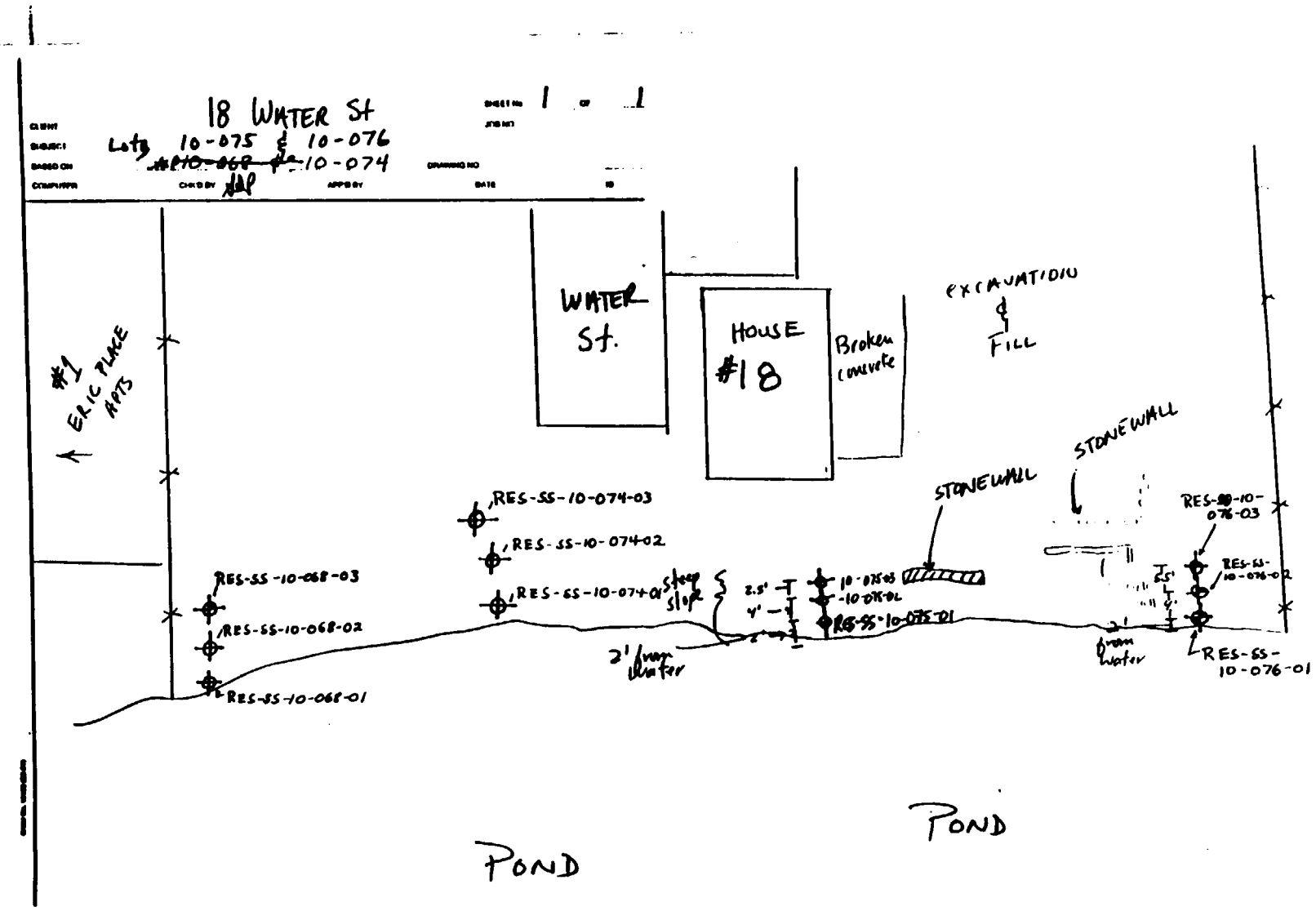

28 OAK St
LOT 10-004
HOUSE
#28
OAK
DRIVEWAY
OAK Street
Deck
STONE
Dense
Tree
Line
North
RES-SS-
10-004-03
30" Tree
15'
RES-SS-
10-001-02
5'
RES-SS-10-004-01
LYMANSVILLE POND
DOCK

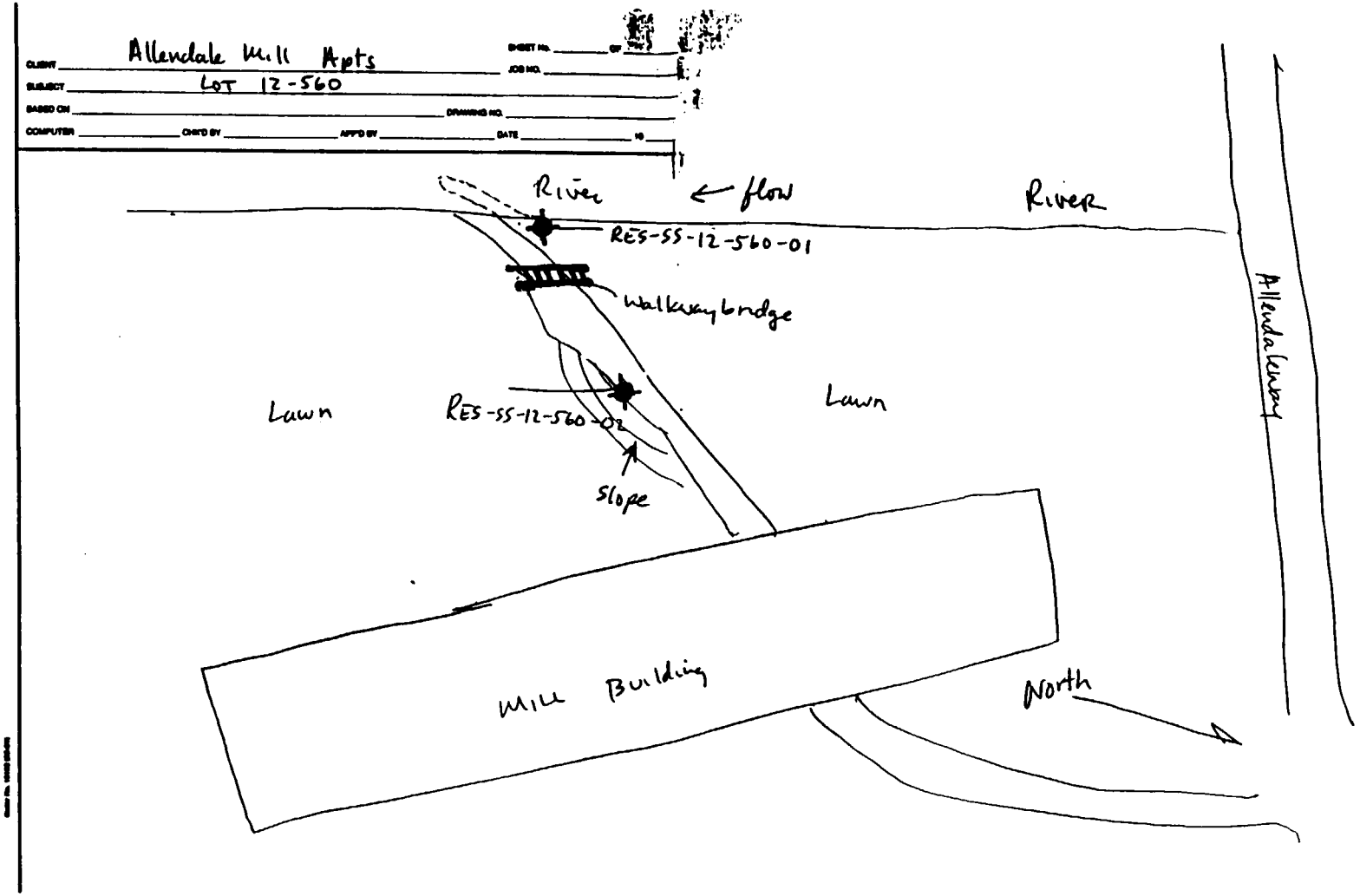

5 TESTA DRIVE
10-005 + 10-042
#5 HOUSE
DRIVEWAY
TESTA DRIVE
END
North
TREE LINE
SHED
WOOD PILE
GARDEN
LAWN
Lawn
RES-SS-10-005-03
RES-SS-10-005-02
RES-SS-10-005-01
RES-SS-10-042-03
RES-SS-10-042-02
RES-SS-10-042-01
Topslope
Midslope
DOCK
Pond
Pond
Pond

36 ALLENDALE AVE
Lots 10-044 + 10-604
Locations




1&2 ERIC PLACE Appts
Includes lots 10-050 + 10-053
To Woonsquatucket AVE
No EARL St: Abandoned by Town
#1 Eric Place Appts.
ERIC PLACE
Appts #2 Eric Place
PARKING
PARKING
NORTH
Trail
Trail
Clearing
Do Not Eat Fish Sign
10-044-03
10-044-02
RES-SS-10-044-01
10-053-03
10-053-02
path to water
RES-SS-10-053-01


18 WATER St
Lots 10-075 & 10-076
~~10-068~~ & 10-074
SHEET No 1 OF 1
CLIENT
SUBJECT
BASED ON
COMPUTER
CHKD BY JAP
APPD BY
DRAWING NO
DATE
JOB NO
WATER St.
HOUSE #18
Broken concrete
EXCAVATION & FILL
#1 ELIC PLACE APTS
STONEWALL
STONEWALL
RES-SS-10-074-03
RES-SS-10-074-02
RES-SS-10-074-01
RES-SS-10-068-03
RES-SS-10-068-02
RES-SS-10-068-01
Steep slope
2.5'
4'
10-075-03
10-075-02
RES-SS-10-075-01
2' from water
from water
RES-SS-10-076-03
RES-SS-10-076-02
RES-SS-10-076-01
POND
POND

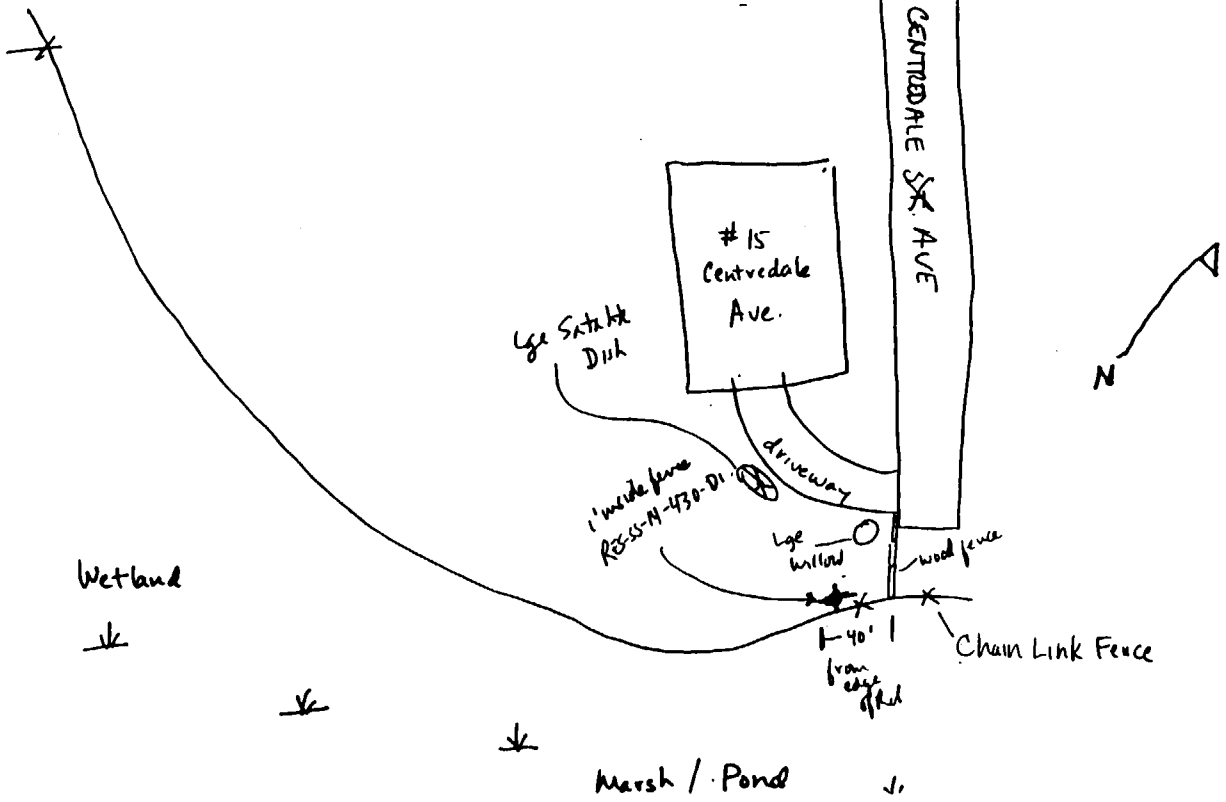

Allendale Mill Apts
LOT 12-560
River
flow
River
RES-55-12-560-01
Walkway bridge
Lawn
RES-55-12-560-02
Lawn
Slope
Allendale Lane
Mill Building
North

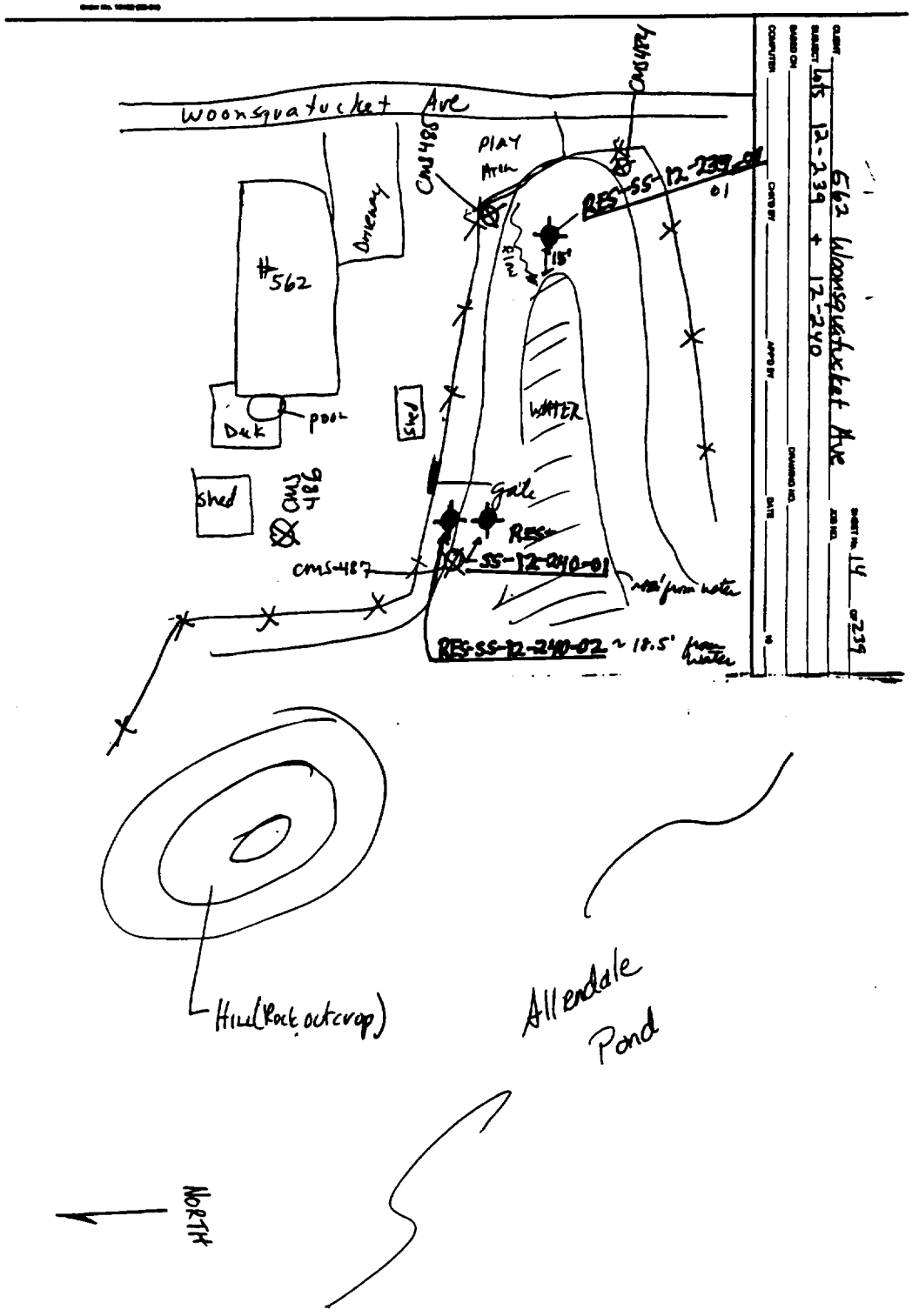
CLIENT 15 Centredale Ave SHEET No. 1 OF 1

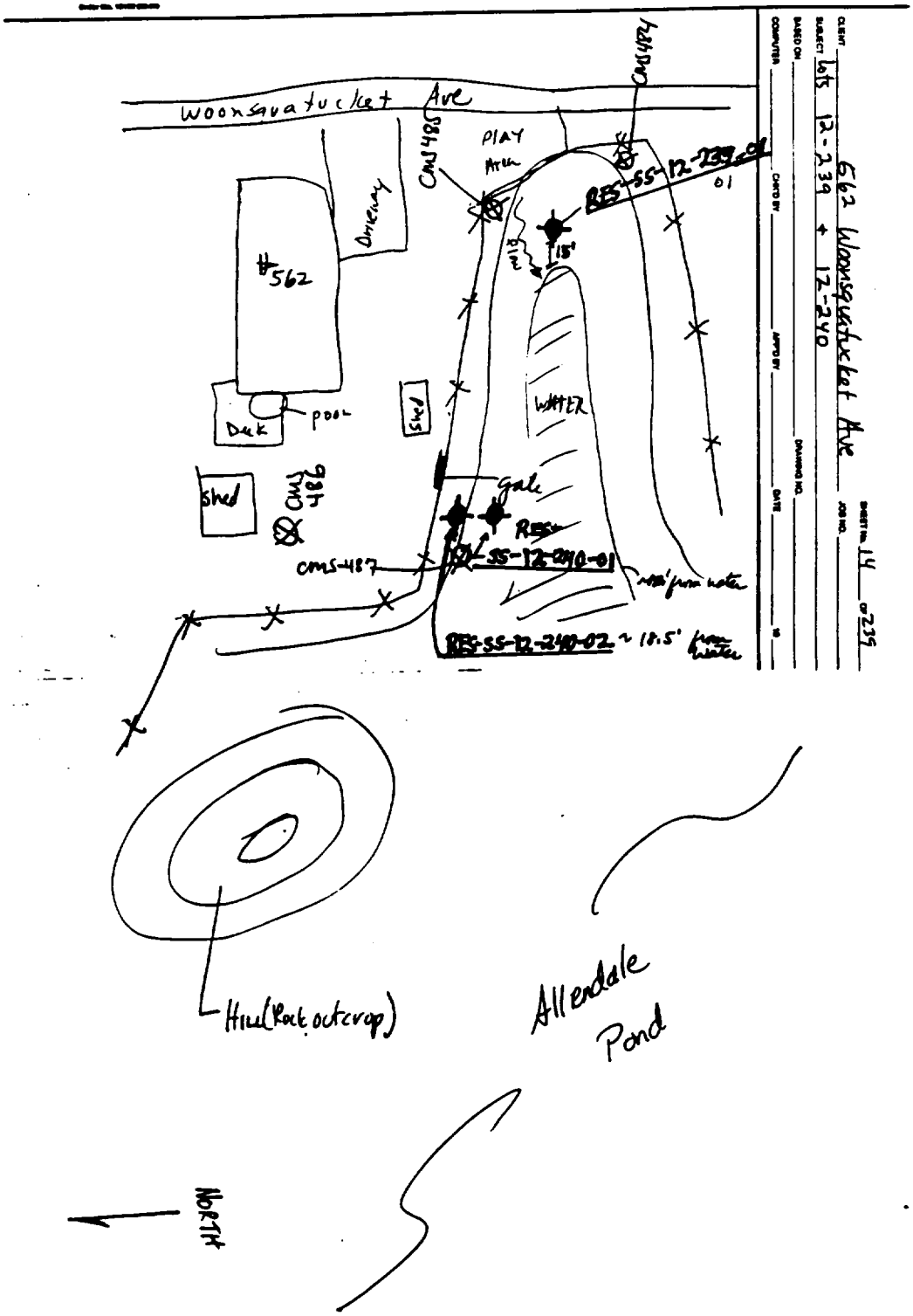
SUBJECT 14-430-01 JOB NO.

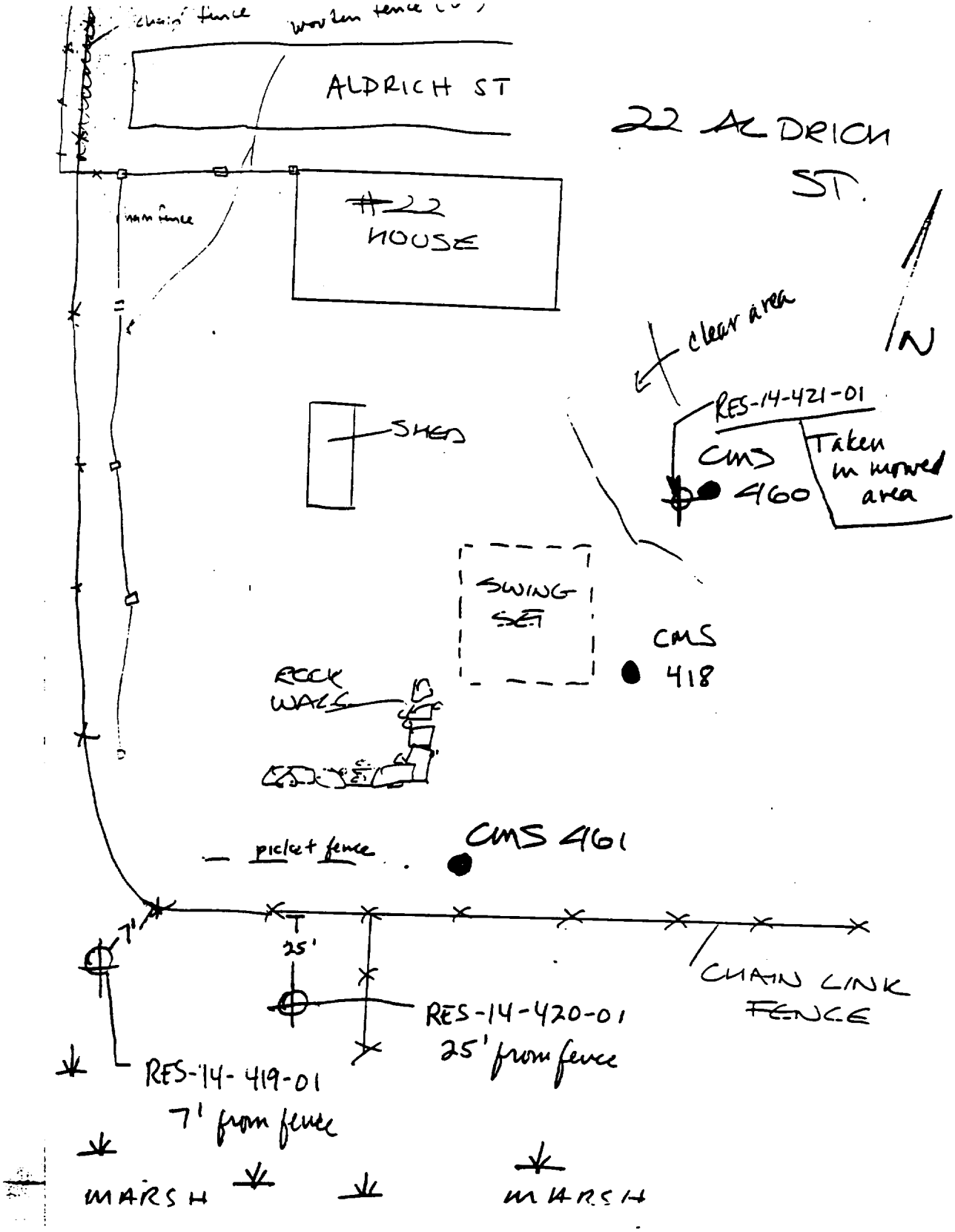
BASED ON DRAWING NO.

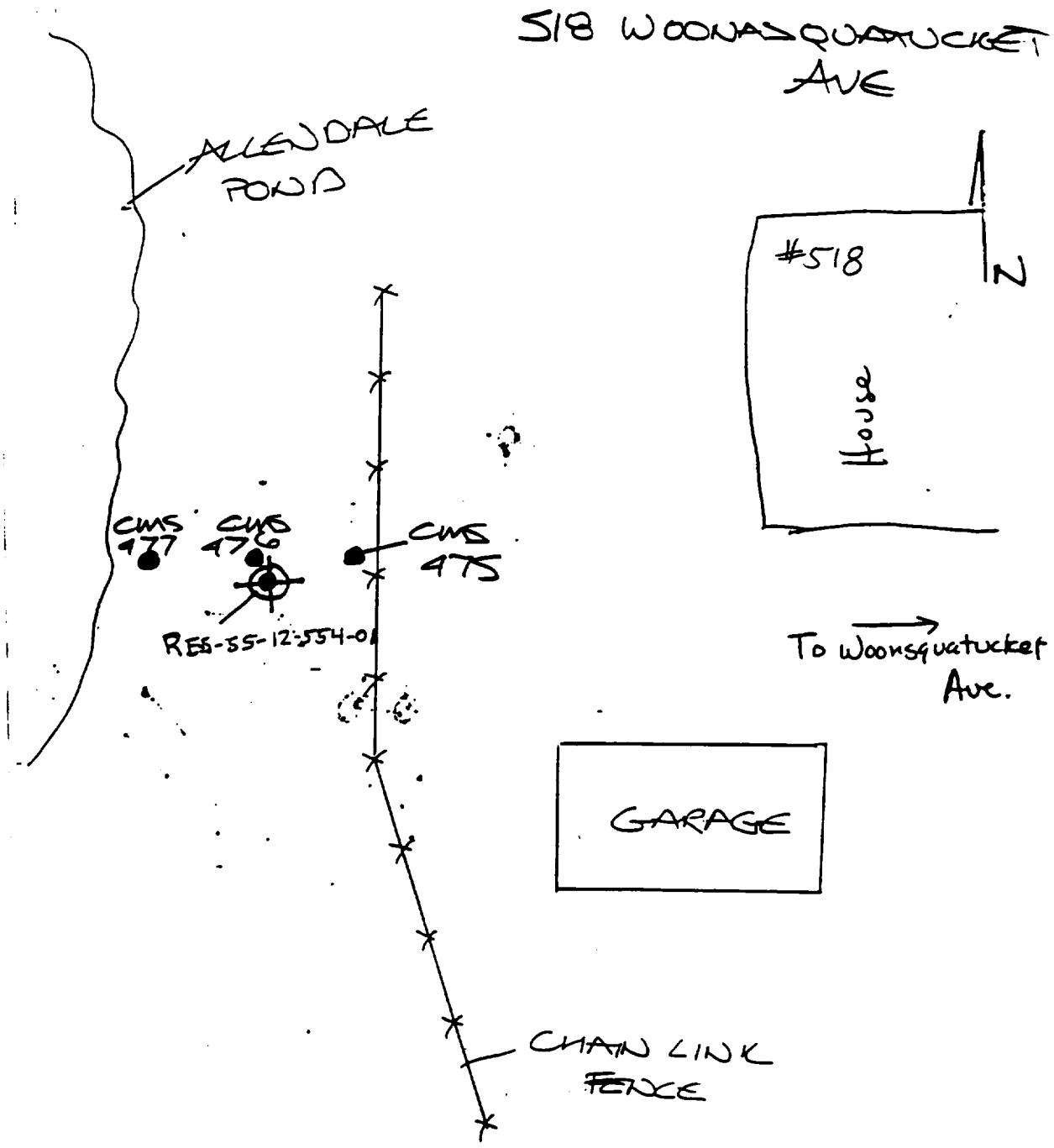
COMPUTER CHK'D BY APP'D BY DATE 19




562 Woonsquatucket Ave
Lots 12-239 + 12-240
Woonsquatucket Ave
CMS 488
PLAY AREA
RES-SS-12-239-01
#562
Driveway
15'
WATER
Deck
pool
Shed
shed
CMS 486
Gate
RES-SS-12-240-01
CMS-487
RES-SS-12-240-02 ~ 18.5' from water
Hill (Rock outcrop)
Allendale Pond
NORTH

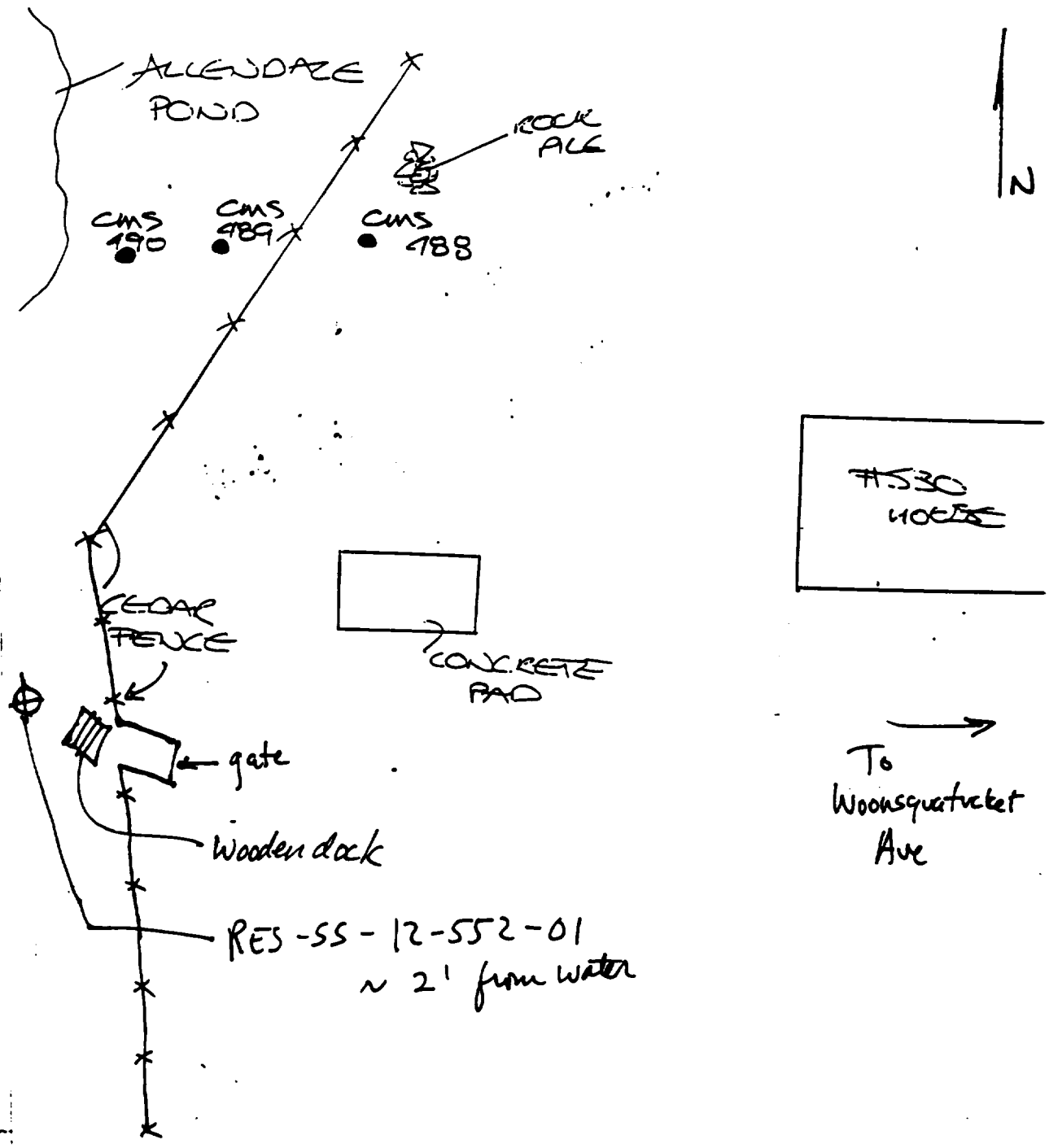

562 Woonsquatucket Ave
Lots 12-239 + 12-240
Woonsquatucket Ave
#562
Driveway
Deck
pool
Shed
Shed
PLAY Area
CMS-486
CMS-487
CMS-488
RES-55-12-239-01
RES-55-12-240-01
RES-55-12-240-02
15'
WATER
Gate
~18.5' from water
Hill (Rock outcrop)
Allendale Pond
NORTH

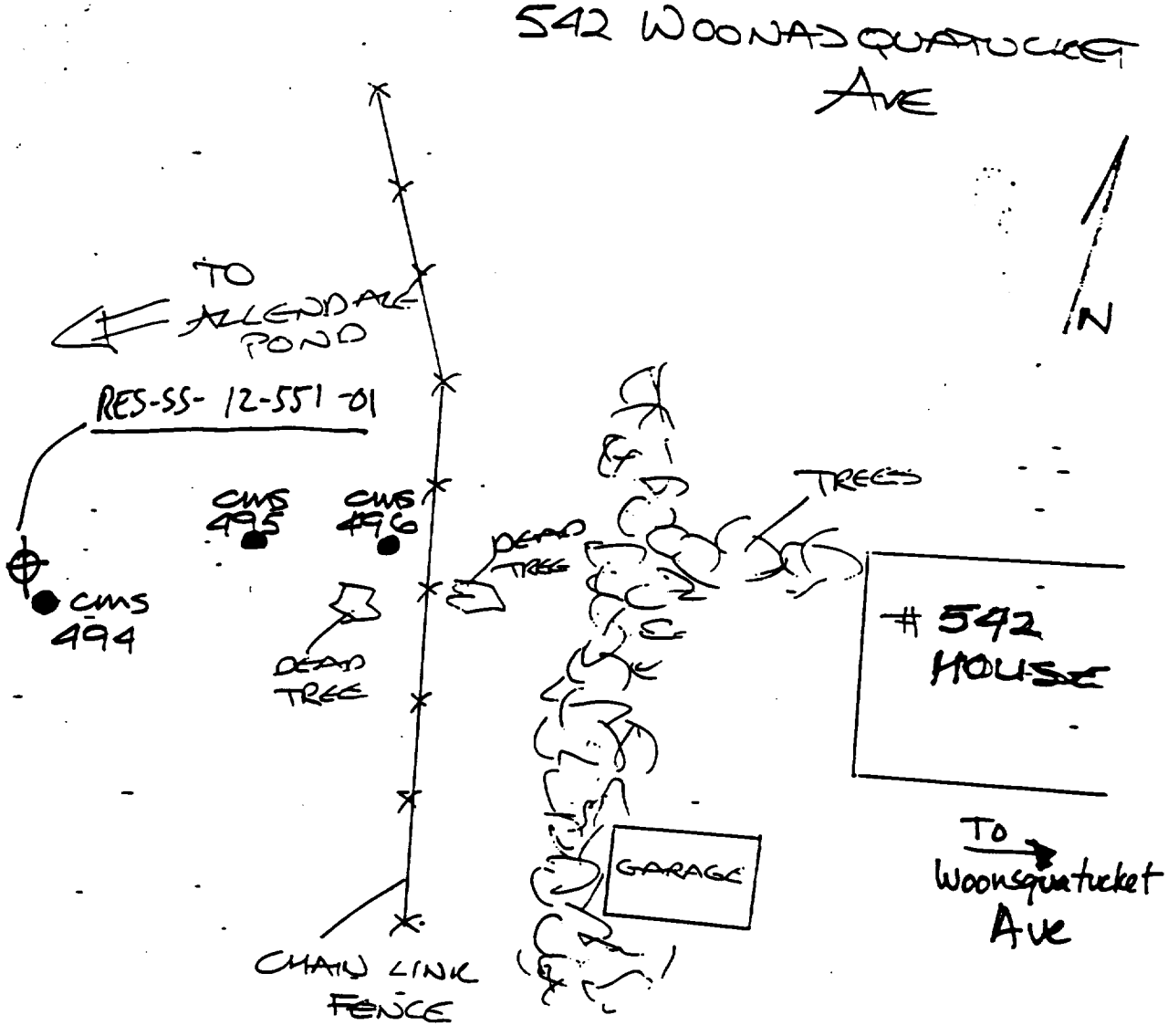

chain fence
wooden fence
ALDRICH ST
22 ALDRICH ST.
#22 HOUSE
main fence
clear area
N
RES-14-421-01
CMS 460
Taken in mowed area
SHED
SWING SET
CMS 418
ROCK WALL
picket fence
CMS 461
7'
25'
CHAIN LINK FENCE
RES-14-420-01
25' from fence
RES-14-419-01
7' from fence
MARSH
MARSH

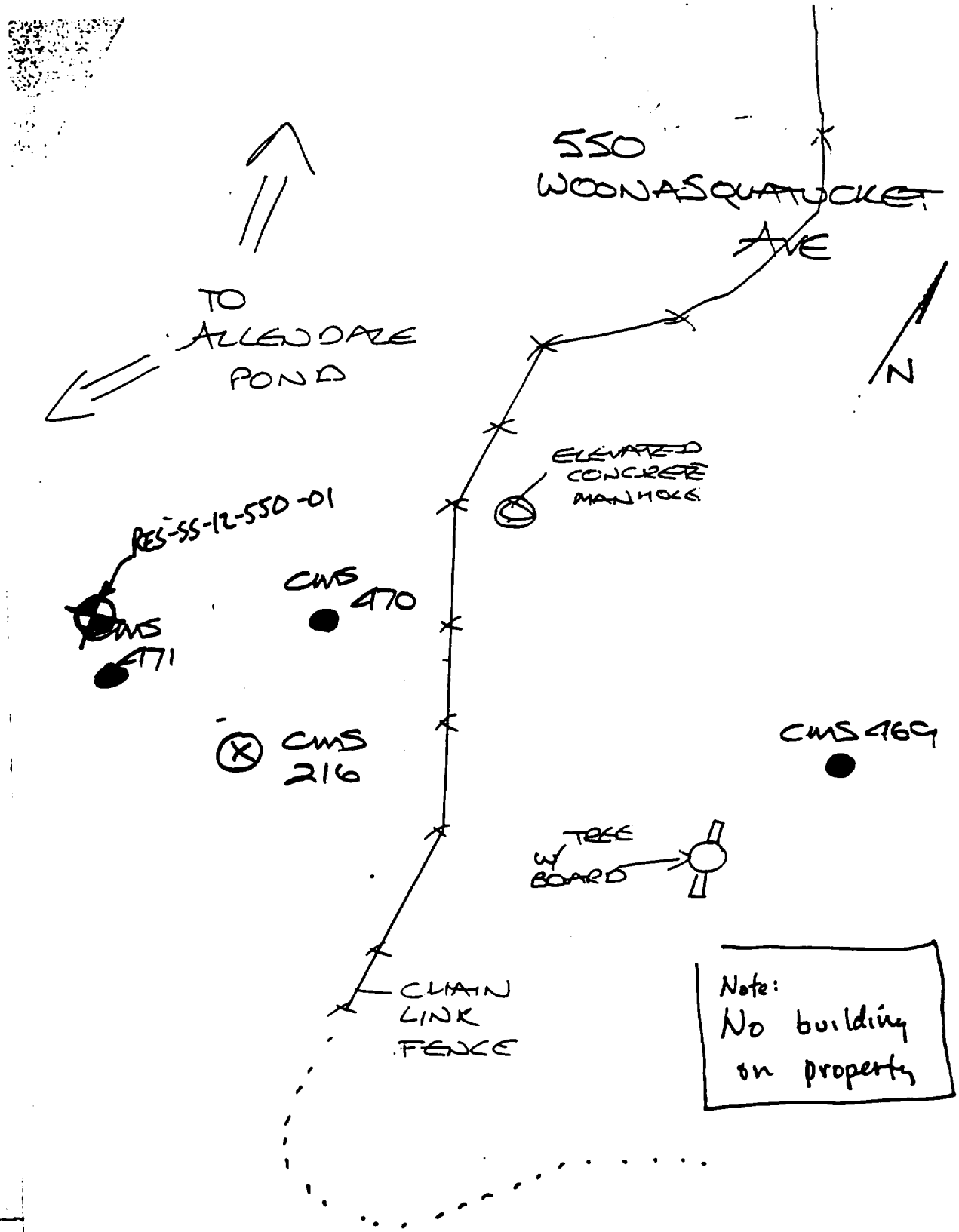

518 WOONASQUATUCKET AVE
ALLENDALE POND
#518
N
House
CMS 477
CMS 476
CMS 475
RES-55-12-554-01
To Woonsquatucket Ave.
GARAGE
CHAIN LINK FENCE

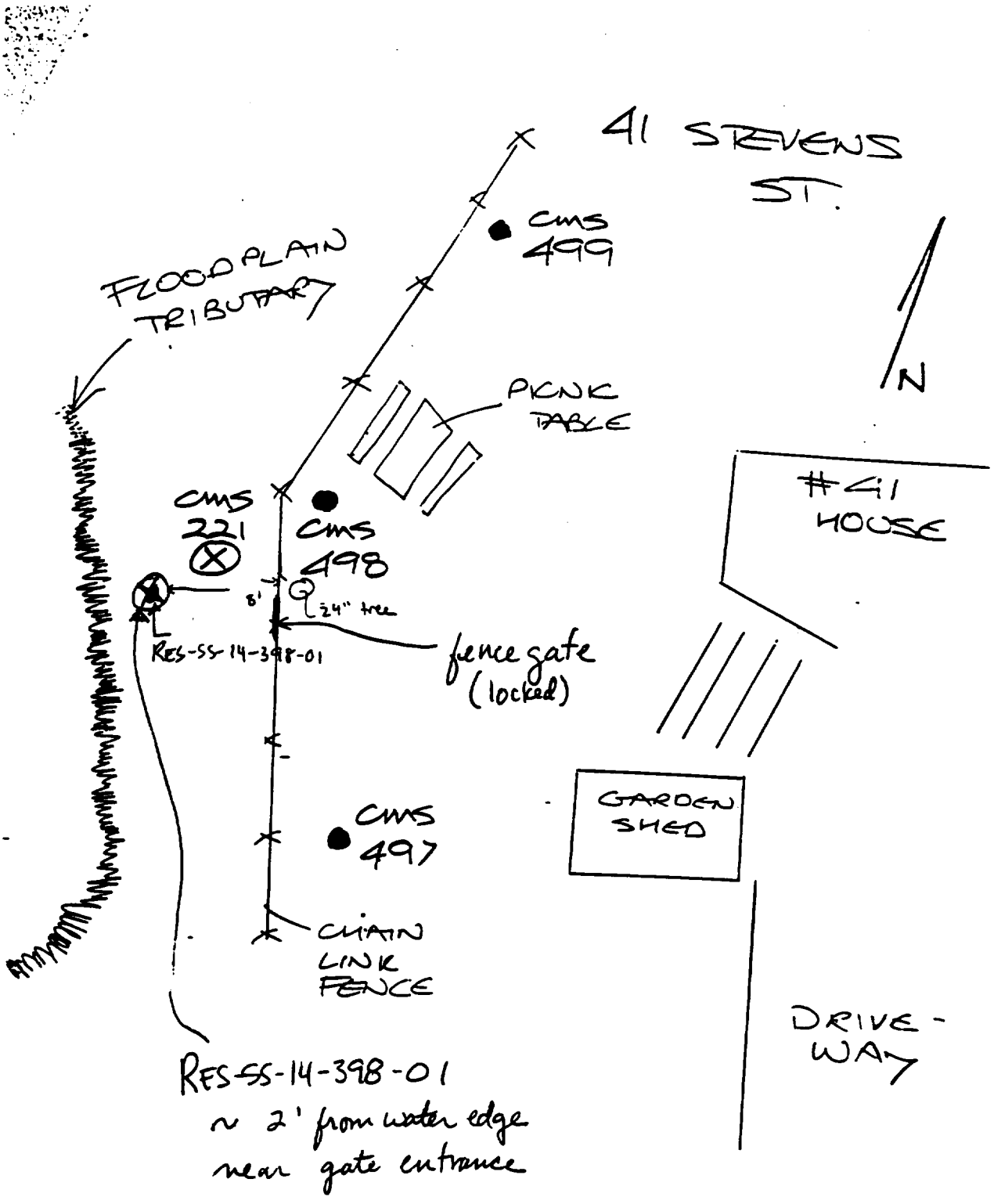
522/524 WOONASQUATUCKET AVE

530 WOONASQUATUCKET AVE




542 WOONASQUATUCKET AVE
N
TO ALLENDALE POND
RES-SS-12-551-01
CMS 495
CMS 496
CMS 494
DEAD TREE
DEAD TREE
TREES
#542 HOUSE
GARAGE
TO Woonsquatucket Ave
CHAIN LINK FENCE


550 WOONASQUATUCKET AVE
TO ALLENDALE POND
N
ELEVATED CONCRETE MANHOLE
RES-55-12-550-01
CMS 470
CMS 471
CMS 216
CMS 469
TREE W/ BOARD
CHAIN LINK FENCE
Note: No building on property


41 STEVENS ST.
CMS 499
FLOOD PLAIN TRIBUTARY
PICNIC TABLE
N
#41 HOUSE
CMS 221
CMS 498
8'
24" tree
RES-SS-14-398-01
fence gate (locked)
GARDEN SHED
CMS 497
CHAIN LINK FENCE
DRIVE-WAY
RES-SS-14-398-01
~ 2' from water edge
near gate entrance

TARGET SHEET

THE MATERIAL DESCRIBED BELOW
WAS NOT SCANNED BECAUSE:

() OVERSIZED

(x) NON-PAPER MEDIA: CD-ROM

() OTHER:

DESCRIPTION: DOC# 6772, PHOTODOCUMENTATION OF SEDIMENT INVESTIGATION, 10/99-12/99.

THE OMITTED MATERIAL IS AVAILABLE FOR REVIEW,
BY APPOINTMENT,
AT THE US EPA NEW ENGLAND SUPERFUND RECORDS CENTER,
BOSTON, MA

APPENDIX F

WOONASQUATUCKET RIVER FLOW DATA

APPENDIX F
WOONASQUATUCKET RIVER SEDIMENT INVESTIGATION
WOONSQUATUCKET WATER LEVELS
CENTREDALE MANOR RESTORATION PROJECT SITE
NORTH PROVIDENCE, RHODE ISLAND

Sediment/Surface Water Sampling Dates Year – 1999	Water Elevation (ft.) Station Number: 01114500 [1]
October 21	NR
October 22	3.5
October 25	3.4
October 26	3.4
October 27	NR
October 28	3.3
October 29	3.2
November 1	2.6
November 2	2.8
November 3	2.7
November 4	2.6
November 5	2.6
November 8	2.6
November 9	2.6
November 10	2.6
November 11	2.6

Note: Water elevations are not corrected to cubic feet per second (CFS)
[1] USGS Station at Wooasquatucket River at Centredale, RI number 01114500