BLO 961

RICHARDSON SMITH GARDNER & ASSOCIATES, INC.

Engineering and Geological Services

January 15, 2007

Jacklynne Drummond
NCDENR DWM
Solid Waste Section
1646 Mail Service Center
Raleigh NC 27699

RE: Johnston County Landfill (Fall 2006 Groundwater Monitoring Report)
Phases 1 through 4 and Phase 4 – additional laboratory results

Ms. Drummond,

Please find the additional laboratory results for Johnston County landfill which we forgot to attach with the Fall 2006 report as an **Appendix A** along with the other laboratory results.

However, the Fall 2006 Groundwater Monitoring Report is accurate and the statistical analysis of these constituents is already included in this report (submitted December 2006).

Yours Sincerely,
Richardson Smith Gardner & Associates, Inc.

Kinjal Shah, E.I.
Staff Engineer

Received
JAN 2007
Solid Waste Section

P0086

Environment 1, Incorporated

REC'D DEC 18 2006

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6031

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD ,NC 27577

DATE COLLECTED: 10/19/06
DATE REPORTED : 12/12/06

REVIEWED BY:

PARAMETERS	MW-4B Analysis	Date	Analyst	Method Code
Total Cyanide, mg/l	<0.050	10/26/06	SEJ	SM4500 CN-E
Antimony, mg/l	<0.030	10/26/06	LFJ	EPA200.8
Arsenic, mg/l	0.010	10/26/06	LFJ	EPA200.8
Barium, mg/l	1.040	10/26/06	LFJ	EPA200.8
Beryllium, mg/l	<0.002	10/26/06	LFJ	EPA200.8
Cadmium, mg/l	<0.001	10/26/06	LFJ	EPA200.8
Cobalt, mg/l	0.033	10/26/06	LFJ	EPA200.8
Copper, mg/l	<0.200	10/26/06	LFJ	EPA200.8
Total Chromium, mg/l	<0.010	10/26/06	LFJ	EPA200.8
Lead, mg/l	<0.010	10/26/06	LFJ	EPA200.8
Mercury, mg/l	<0.0005	10/26/06	LFJ	EPA200.8
Nickel, mg/l	<0.050	10/26/06	LFJ	EPA200.8
Selenium, mg/l	<0.020	10/26/06	LFJ	EPA200.8
Silver, mg/l	<0.010	10/26/06	LFJ	EPA200.8
Thallium, mg/l	<0.010	10/26/06	LFJ	EPA200.8
Tin, mg/l	<0.100	10/26/06	LFJ	EPA200.8
Vanadium, mg/l	<0.040	10/26/06	LFJ	EPA200.8
Zinc, mg/l	<0.050	10/26/06	LFJ	EPA200.8
Sulfide, mg/l	<1	10/23/06	LFJ	SM4500-S2D

Received
JAN 2007
Solid Waste
Section

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

REVIEWED BY:

CLIENT ID: 6031

ANALYST: SSR
DATE COLLECTED: 10/19/06
DATE EXTRACTED: 10/23/06
DATE ANALYZED: 10/30/06
DATE REPORTED: 12/12/06

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-4B
1. Aldrin	<0.05
2. Alpha-BHC	<0.05
3. Beta-BHC	<0.05
4. Delta-BHC	<0.05
5. Gamma-BHC (Lindane)	<0.05
6. Chlordane	<0.50
7. 4,4-DDD	<0.10
8. 4,4-DDE	<0.10
9. 4,4-DDT	<0.10
10. Dieldrin	<0.10
11. Endosulfan I	<0.10
12. Endosulfan II	<0.10
13. Endosulfan Sulfate	<0.10
14. Endrin	<0.10
15. Endrin Aldehyde	<0.10
16. Heptachlor	<0.05
17. Hepthchlor Epoxide	<0.10
18. Methoxychlor	<1.00
19. Pcb's (Aroclors)	<2.00
20. Toxaphene	<2.00

Environment 1, Incorporated

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/19/06
DATE EXTRACTED: 10/24/06
DATE ANALYZED: 10/27/06
DATE REPORTED: 12/12/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-4B
1. 2,4-D	<2.00
2. Dinoseb	<1.00
3. 2,4,5-TP	<2.00
4. 2,4,5-T	4.11

Environment 1, Incorporated

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: MAO
DATE COLLECTED: 10/19/06
DATE ANALYZED: 10/29/06
DATE REPORTED: 12/12/06

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MW-4B
1. Chloromethane	<10.00
2. Vinyl Chloride	<10.00
3. Bromomethane	<10.00
4. Chloroethane	<10.00
5. Trichlorofluoromethane	<5.00
6. 1,1-Dichloroethene	<5.00
7. Acetone	<100.00
8. Iodomethane	<10.00
9. Carbon Disulfide	<100.00
10. Methylene Chloride	<10.00
11. trans-1,2-Dichloroethene	<5.00
12. 1,1-Dichloroethane	<5.00
13. Vinyl Acetate	<50.00
14. Cis-1,2-Dichloroethene	<5.00
15. 2-Butanone	<100.00
16. Bromochloromethane	<5.00
17. Chloroform	<5.00
18. 1,1,1-Trichloroethane	<5.00
19. Carbon Tetrachloride	<10.00
20. Benzene	<5.00
21. 1,2-Dichloroethane	<5.00
22. Trichloroethene	<5.00
23. 1,2-Dichloropropane	<5.00
24. Bromodichloromethane	<5.00
25. Cis-1,3-Dichloropropene	<10.00
26. 4-Methyl-2-Pentanone	<100.00
27. Toluene	<5.00
28. trans-1,3-Dichloropropene	<10.00
29. 1,1,2-Trichloroethane	<5.00
30. Tetrachloroethene	<5.00
31. 2-Hexanone	<50.00
32. Dibromochloromethane	<5.00
33. 1,2-Dibromoethane	<5.00
34. Chlorobenzene	14.70
35. 1,1,1,2-Tetrachloroethane	<5.00
36. Ethylbenzene	<5.00
37. Xylenes	<5.00
38. Dibromomethane	<10.00
39. Styrene	<10.00
40. Bromoform	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00
42. 1,2,3-Trichloropropane	<15.00
43. 1,4-Dichlorobenzene	6.30
44. 1,2-Dichlorobenzene	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00
46. Acrylonitrile	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00

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REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-4B
1. Acenaphthene	<10.00
2. Acenaphthylene	<10.00
3. Anthracene	<10.00
4. Benzo[a]antrhacene	<10.00
5. Benzo[b]fluoranthene	<10.00
6. Benzo[k]fluoranthene	<10.00
7. Benzo[g,h,i]perylene	<10.00
8. Benzo[a]pyrene	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00
10. Butyl Benzyl Phthalate	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00
14. 2-Chloronaphthalene	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00
16. Chrysene	<10.00
17. Dibenzo[a,h]anthracene	<10.00
18. Di-N-Butyl Phthalate	<10.00
19. Dimethyl Phthalate	<10.00
20. Diethyl Phthalate	<10.00
21. 2,4-Dinitrotoluene	<10.00
22. 2,6-Dinitrotoluene	<10.00
23. Di-N-Octyl Phthalate	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	<20.00
25. Fluoranthene	<10.00
26. Fluorene	<10.00
27. Hexachlorobenzene	<10.00
28. Hexachlorocyclopentadiene	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00
30. Isophorone	<10.00
31. Nitrobenzene	<10.00
32. N-Nitrosodimethylamine	<10.00
33. N-Nitrosodiphenylamine	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00
35. Phenanthrene	<10.00
36. Pyrene	<10.00
37. 4-Chloro-3-Methylphenol	<20.00
38. 2-Chlorophenol	<10.00
39. O-Cresol	<10.00
40. P-Cresol	<10.00
41. 2,4-Dichlorophenol	<10.00
42. 2,6-Dichlorophenol	<10.00
43. 2,4-Dimethylphenol	<10.00
44. 4,6-Dinitro-2-Methylphenol	<50.00
45. 2,4-Dinitrophenol	<50.00
46. Ethyl Methanesulfonate	<10.00
47. Methyl Methanesulfonate	<10.00
48. 2-Nitrophenol	<10.00

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MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

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DATE REPORTED: 12/12/06

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-4B
49. 4-Nitrophenol	<50.00
50. Pentachlorophenol	<50.00
51. Phenol	<10.00
52. 2,3,4,6-Tetrachlorophenol	<10.00
53. 2,4,5-Trichlorophenol	<10.00
54. 2,4,6-Trichlorophenol	<10.00
55. Acetophenone	<10.00
56. 2-Acetylaminofluorene	<20.00
57. 4-Aminobiphenyl	<20.00
58. Benzyl Alcohol	<20.00
59. 4-Chloroaniline	<20.00
60. Chlorobenzilate	<10.00
61. Diallate	<10.00
62. Dibenzofuran	<10.00
63. 3,3-Dichlorobenzidine	<20.00
64. Dimethoate	<20.00
65. P-Dimethylaminoazobenzene	<10.00
66. 7,12-Dimethylbenz[a]anthracene	<10.00
67. 3,3-Dimethylbenzadine	<10.00
68. 1,3-Dinitrobenzene	<20.00
69. Diphenylamine	<10.00
70. Disulfoton	<10.00
71. Famphur	<20.00
72. Hexachloropropene	<10.00
73. Isosafrole	<10.00
74. Kepone	<20.00
75. Methapyrilene	<100.00
76. 3-Methylchloroanthrene	<10.00
77. 2-Methylnaphthalene	<10.00
78. Methyl Parathion	<10.00
79. m-Cresol	<10.00
80. 1,4-Naphthoquinone	<10.00
81. 1-Naphthylamine	<10.00
82. 2-Naphthylamine	<10.00
83. 2-Nitroaniline	<50.00
84. 3-Nitroaniline	<50.00
85. 4-Nitroaniline	<20.00
86. 5-Nitro-O-Toluidine	<10.00
87. N-Nitrosodi-n-butylamine	<10.00
88. N-Nitrosodiethylamine	<20.00
89. N-Nitrosomethylethylamine	<10.00
90. N-Nitrosopiperidine	<20.00
91. N-Nitrosopyrrolidine	<40.00
92. Parathion	<10.00
93. Pentachlorobenzene	<10.00
94. Pentachloronitrobenzene	<50.00
95. Phenacetin	<20.00
96. 1,4 Benzenediamine	<10.00

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MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/19/06
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DATE REPORTED: 12/12/06

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-4B
97. Phorate	<10.00
98. Pronamide	<10.00
99. Safrole	<10.00
100. 1,2,4,5-Tetrachlorobenzene	<10.00
101. Thionazin	<20.00
102. O-Toluidine	<10.00
103. 1,3,5-Trinitrobenzene	<10.00
104. 0,0,0-Triethyl Phosphorothioate	<10.00
105. Hexachloroethane	<10.00
106. Isodrin	<20.00

Environment 1, Incorporated

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REC'D DEC 18 2006

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 C

ANALYST: MAO
DATE COLLECTED: 10/19/06
DATE ANALYZED: 10/29/06
DATE REPORTED: 11/13/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Equipment Blank	Trip Blank
1. Chloromethane	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00
3. Bromomethane	<10.00	<10.00
4. Chloroethane	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00
7. Acetone	<100.00	<100.00
8. Iodomethane	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00
17. Chloroform	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00
20. Benzene	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00
27. Toluene	<5.00	7.40
28. trans-1,3-Dichloropropene	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00
33. 1,2-Dibromomethane	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00
37. Xylenes	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00
39. Styrene	<10.00	<10.00
40. Bromoform	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00
48. Acrolein	<100.00	<100.00

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SMITHFIELD, NC 27577

CLIENT ID: 6031 C

ANALYST: MAO
DATE COLLECTED: 10/19/06
DATE ANALYZED: 10/29/06
DATE REPORTED: 11/13/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Equipment Blank	Trip Blank
49. Allyl Chloride	<10.00	<10.00
50. Chloroprene	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00
53. 1,3-Dichloropropane	<5.00	<5.00
54. 2,2-Dichloropropane	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00
57. Hexachlorobutadine	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00
60. Methyl Methacrylate	<30.00	<30.00
61. Naphthalene	<10.00	<10.00
62. Propionitrile	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00
64. Acetonitrile	<100.00	<100.00

Environment 1, Incorporated

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REC'D DEC 18 2006

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6031 A

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD ,NC 27577

DATE COLLECTED: 10/19/06
DATE REPORTED : 12/12/06

REVIEWED BY:

PARAMETERS	MW-4D	MW-5A	MW-8D	MW-9C	MW-9D	Analysis Date	Analyst	Method Code
Total Cyanide, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	10/26/06	SEJ	SM4500 CN-E
Antimony, mg/l	<0.030	<0.030	<0.030	<0.030	<0.030	10/26/06	LFJ	EPA200.8
Arsenic, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	10/26/06	LFJ	EPA200.8
Barium, mg/l	<0.500	<0.500	<0.500	<0.500	<0.500	10/26/06	LFJ	EPA200.8
Beryllium, mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	10/26/06	LFJ	EPA200.8
Cadmium, mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	10/26/06	LFJ	EPA200.8
Cobalt, mg/l	<0.010	0.015	0.050	0.015	<0.010	10/26/06	LFJ	EPA200.8
Copper, mg/l	<0.200	<0.200	<0.200	<0.200	<0.200	10/26/06	LFJ	EPA200.8
Total Chromium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	10/26/06	LFJ	EPA200.8
Lead, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	10/26/06	LFJ	EPA200.8
Mercury, mg/l	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	10/26/06	LFJ	EPA200.8
Nickel, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	10/26/06	LFJ	EPA200.8
Selenium, mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	10/26/06	LFJ	EPA200.8
Silver, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	10/26/06	LFJ	EPA200.8
Thallium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	10/26/06	LFJ	EPA200.8
Tin, mg/l	<0.100	<0.100	<0.100	<0.100	<0.100	10/26/06	LFJ	EPA200.8
Vanadium, mg/l	<0.040	<0.040	<0.040	<0.040	<0.040	10/26/06	LFJ	EPA200.8
Zinc, mg/l	<0.050	0.066	<0.050	0.076	<0.050	10/26/06	LFJ	EPA200.8
Sulfide, mg/l	<1	<1	<1	<1	<1	10/23/06	LFJ	SM4500-S2D

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REVIEWED BY:

PARAMETERS	MW-13D Analysis	Date	Analyst	Method Code
Total Cyanide, mg/l	Missing	/ /		
Antimony, mg/l	Missing	/ /		
Arsenic, mg/l	Missing	/ /		
Barium, mg/l	Missing	/ /		
Beryllium, mg/l	Missing	/ /		
Cadmium, mg/l	Missing	/ /		
Cobalt, mg/l	Missing	/ /		
Copper, mg/l	Missing	/ /		
Total Chromium, mg/l	Missing	/ /		
Lead, mg/l	Missing	/ /		
Mercury, mg/l	Missing	/ /		
Nickel, mg/l	Missing	/ /		
Selenium, mg/l	Missing	/ /		
Silver, mg/l	Missing	/ /		
Thallium, mg/l	Missing	/ /		
Tin, mg/l	Missing	/ /		
Vanadium, mg/l	Missing	/ /		
Zinc, mg/l	Missing	/ /		
Sulfide, mg/l	Missing	/ /		
Method 8270C (duplicate)	Missing	/ /		
EPA Method 8081A (duplicate)	Missing	/ /		
821I (Duplicate)	Missing	/ /		

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 A

ANALYST: SSR
DATE COLLECTED: 10/19/06
DATE EXTRACTED: 10/23/06
DATE ANALYZED: 10/30/06
DATE REPORTED: 12/12/06

REVIEWED BY:

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-4D	MW-5A	MW-8D	MW-9C	MW-9D
1. Aldrin	<0.05	<0.05	<0.05	<0.05	<0.05
2. Alpha-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
3. Beta-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
4. Delta-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
5. Gamma-BHC (Lindane)	<0.05	<0.05	<0.05	<0.05	<0.05
6. Chlordane	<0.50	<0.50	<0.50	<0.50	<0.50
7. 4,4-DDD	<0.10	<0.10	<0.10	<0.10	<0.10
8. 4,4-DDE	<0.10	<0.10	<0.10	<0.10	<0.10
9. 4,4-DDT	<0.10	<0.10	<0.10	<0.10	<0.10
10. Dieldrin	<0.10	<0.10	<0.10	<0.10	<0.10
11. Endosulfan I	<0.10	<0.10	<0.10	<0.10	<0.10
12. Endosulfan II	<0.10	<0.10	<0.10	<0.10	<0.10
13. Endosulfan Sulfate	<0.10	<0.10	<0.10	<0.10	<0.10
14. Endrin	<0.10	<0.10	<0.10	<0.10	<0.10
15. Endrin Aldehyde	<0.10	<0.10	<0.10	<0.10	<0.10
16. Heptachlor	<0.05	<0.05	<0.05	<0.05	<0.05
17. Hepthchlor Epoxide	<0.10	<0.10	<0.10	<0.10	<0.10
18. Methoxychlor	<1.00	<1.00	<1.00	<1.00	<1.00
19. Pcb's (Aroclors)	<2.00	<2.00	<2.00	<2.00	<2.00
20. Toxaphene	<2.00	<2.00	<2.00	<2.00	<2.00

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

REVIEWED BY:

CLIENT ID: 6031 A

ANALYST: CHS
DATE COLLECTED: 10/19/06
DATE EXTRACTED: 10/24/06
DATE ANALYZED: 10/27/06
DATE REPORTED: 12/12/06

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-4D	MW-5A	MW-8D	MW-9C	MW-9D
1. 2,4-D	<2.00	<2.00	<2.00	<2.00	<2.00
2. Dinoseb	<1.00	<1.00	<1.00	<1.00	<1.00
3. 2,4,5-TP	<2.00	<2.00	<2.00	<2.00	<2.00
4. 2,4,5-T	<2.00	<2.00	<2.00	<2.00	<2.00

NOTE: Sample MW-8D surrogate recovery was outside control limits due to matrix interference

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 A

ANALYST: CHS
DATE COLLECTED: 10/19/06
DATE EXTRACTED: 10/24/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 12/12/06

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-4D	MW-5A	MW-8D	MW-9C	MW-9D
1. Acenaphthene	<10.00	<10.00	<10.00	<10.00	<10.00
2. Acenaphthylene	<10.00	<10.00	<10.00	<10.00	<10.00
3. Anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
4. Benzo[a]antrhacene	<10.00	<10.00	<10.00	<10.00	<10.00
5. Benzo[b]fluoranthene	<10.00	<10.00	<10.00	<10.00	<10.00
6. Benzo[k]fluoranthene	<10.00	<10.00	<10.00	<10.00	<10.00
7. Benzo[g,h,i]perylene	<10.00	<10.00	<10.00	<10.00	<10.00
8. Benzo[a]pyrene	<10.00	<10.00	<10.00	<10.00	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00	<10.00	<10.00	<10.00	<10.00
10. Butyl Benzyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00	<10.00	<10.00	<10.00	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00	<10.00	<10.00	<10.00	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00	<10.00	<10.00	<10.00	<10.00
14. 2-Chloronaphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00	<10.00	<10.00	<10.00	<10.00
16. Chrysene	<10.00	<10.00	<10.00	<10.00	<10.00
17. Dibenzo[a,h]anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
18. Di-N-Butyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
19. Dimethyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
20. Diethyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
21. 2,4-Dinitrotoluene	<10.00	<10.00	<10.00	<10.00	<10.00
22. 2,6-Dinitrotoluene	<10.00	<10.00	<10.00	<10.00	<10.00
23. Di-N-Octyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	<20.00	<20.00	<20.00	<20.00	<20.00
25. Fluoranthene	<10.00	<10.00	<10.00	<10.00	<10.00
26. Fluorene	<10.00	<10.00	<10.00	<10.00	<10.00
27. Hexachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
28. Hexachlorocyclopentadiene	<10.00	<10.00	<10.00	<10.00	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00	<10.00	<10.00	<10.00	<10.00
30. Isophorone	<10.00	<10.00	<10.00	<10.00	<10.00
31. Nitrobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
32. N-Nitrosodimethylamine	<10.00	<10.00	<10.00	<10.00	<10.00
33. N-Nitrosodiphenylamine	<10.00	<10.00	<10.00	<10.00	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00	<10.00	<10.00	<10.00	<10.00
35. Phenanthrene	<10.00	<10.00	<10.00	<10.00	<10.00
36. Pyrene	<10.00	<10.00	<10.00	<10.00	<10.00
37. 4-Chloro-3-Methylphenol	<20.00	<20.00	<20.00	<20.00	<20.00
38. 2-Chlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
39. O-Cresol	<10.00	<10.00	<10.00	<10.00	<10.00
40. P-Cresol	<10.00	<10.00	<10.00	<10.00	<10.00
41. 2,4-Dichlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
42. 2,6-Dichlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
43. 2,4-Dimethylphenol	<10.00	<10.00	<10.00	<10.00	<10.00
44. 4,6-Dinitro-2-Methylphenol	<50.00	<50.00	<50.00	<50.00	<50.00
45. 2,4-Dinitrophenol	<50.00	<50.00	<50.00	<50.00	<50.00
46. Ethyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
47. Methyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
48. 2-Nitrophenol	<10.00	<10.00	<10.00	<10.00	<10.00

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 A

ANALYST: CHS
DATE COLLECTED: 10/19/06
DATE EXTRACTED: 10/24/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 12/12/06

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-4D	MW-5A	MW-8D	MW-9C	MW-9D
49. 4-Nitrophenol	<50.00	<50.00	<50.00	<50.00	<50.00
50. Pentachlorophenol	<50.00	<50.00	<50.00	<50.00	<50.00
51. Phenol	<10.00	<10.00	<10.00	<10.00	<10.00
52. 2,3,4,6-Tetrachlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
53. 2,4,5-Trichlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
54. 2,4,6-Trichlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
55. Acetophenone	<10.00	<10.00	<10.00	<10.00	<10.00
56. 2-Acetylaminofluorene	<20.00	<20.00	<20.00	<20.00	<20.00
57. 4-Aminobiphenyl	<20.00	<20.00	<20.00	<20.00	<20.00
58. Benzyl Alcohol	<20.00	<20.00	<20.00	<20.00	<20.00
59. 4-Chloroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
60. Chlorobenzilate	<10.00	<10.00	<10.00	<10.00	<10.00
61. Diallate	<10.00	<10.00	<10.00	<10.00	<10.00
62. Dibenzofuran	<10.00	<10.00	<10.00	<10.00	<10.00
63. 3,3-Dichlorobenzidine	<20.00	<20.00	<20.00	<20.00	<20.00
64. Dimethoate	<20.00	<20.00	<20.00	<20.00	<20.00
65. P-Dimethylaminoazobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
66. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
67. 3,3-Dimethylbenzadine	<10.00	<10.00	<10.00	<10.00	<10.00
68. 1,3-Dinitrobenzene	<20.00	<20.00	<20.00	<20.00	<20.00
69. Diphenylamine	<10.00	<10.00	<10.00	<10.00	<10.00
70. Disulfoton	<10.00	<10.00	<10.00	<10.00	<10.00
71. Famphur	<20.00	<20.00	<20.00	<20.00	<20.00
72. Hexachloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
73. Isosafrole	<10.00	<10.00	<10.00	<10.00	<10.00
74. Kepone	<20.00	<20.00	<20.00	<20.00	<20.00
75. Methapyrilene	<100.00	<100.00	<100.00	<100.00	<100.00
76. 3-Methylchloroanthrene	<10.00	<10.00	<10.00	<10.00	<10.00
77. 2-Methylnaphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
78. Methyl Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
79. m-Cresol	<10.00	<10.00	<10.00	<10.00	<10.00
80. 1,4-Naphthoquinone	<10.00	<10.00	<10.00	<10.00	<10.00
81. 1-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
82. 2-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
83. 2-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
84. 3-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
85. 4-Nitroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
86. 5-Nitro-O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
87. N-Nitrosodi-n-butylamine	<10.00	<10.00	<10.00	<10.00	<10.00
88. N-Nitrosodiethylamine	<20.00	<20.00	<20.00	<20.00	<20.00
89. N-Nitrosomethylethylamine	<10.00	<10.00	<10.00	<10.00	<10.00
90. N-Nitrosopiperidine	<20.00	<20.00	<20.00	<20.00	<20.00
91. N-Nitrosopyrrolidine	<40.00	<40.00	<40.00	<40.00	<40.00
92. Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
93. Pentachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
94. Pentachloronitrobenzene	<50.00	<50.00	<50.00	<50.00	<50.00
95. Phenacetin	<20.00	<20.00	<20.00	<20.00	<20.00
96. 1,4 Benzenediamine	<10.00	<10.00	<10.00	<10.00	<10.00

Environment 1, Incorporated

Laboratory ID: 19

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 A

ANALYST: CHS
DATE COLLECTED: 10/19/06
DATE EXTRACTED: 10/24/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 12/12/06

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-4D	MW-5A	MW-8D	MW-9C	MW-9D
97. Phorate	<10.00	<10.00	<10.00	<10.00	<10.00
98. Pronamide	<10.00	<10.00	<10.00	<10.00	<10.00
99. Safrole	<10.00	<10.00	<10.00	<10.00	<10.00
100. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
101. Thionazin	<20.00	<20.00	<20.00	<20.00	<20.00
102. O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
103. 1,3,5-Trinitrobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
104. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00	<10.00	<10.00	<10.00
105. Hexachloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
106. Isodrin	<20.00	<20.00	<20.00	<20.00	<20.00

Environment 1, Incorporated

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GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
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SMITHFIELD, NC 27577

CLIENT ID: 6031 A

ANALYST: MAO
DATE COLLECTED: 10/19/06
DATE ANALYZED: 10/29/06
DATE REPORTED: 12/12/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-4D	MW-5A	MW-8D	MW-9C	MW-9D
1. Chloromethane	<10.00	<10.00	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
33. 1,2-Dibromomethane	<5.00	<5.00	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00	<100.00
48. Acrolein	<100.00	<100.00	<100.00	<100.00	<100.00

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
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SMITHFIELD, NC 27577

CLIENT ID: 6031 A

ANALYST: MAO
DATE COLLECTED: 10/19/06
DATE ANALYZED: 10/29/06
DATE REPORTED: 12/12/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-4D	MW-5A	MW-8D	MW-9C	MW-9D
49. Allyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
50. Chloroprene	<20.00	<20.00	<20.00	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
53. 1,3-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
54. 2,2-Dichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00	<10.00	<10.00	<10.00
57. Hexachlorobutadine	<10.00	<10.00	<10.00	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00	<100.00	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00	<100.00	<100.00	<100.00
60. Methyl Methacrylate	<30.00	<30.00	<30.00	<30.00	<30.00
61. Naphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
62. Propionitrile	<150.00	<150.00	<150.00	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
64. Acetonitrile	<100.00	<100.00	<100.00	<100.00	<100.00

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

— 6 COOLERS —

CHAIN OF CUSTODY RECORD

CLIENT: 6031 A **Week:** 42

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD NC 27577

(919) 938-4750

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Cyanide	Metals	Sulfide	EPA 8270C	8270C Dup. 1	EPA 8081A	8081A Duplicate	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill
CHLORINE NEUTRALIZED AT COLLECTION																
pH CHECK (LAB)						12		9					12	12	12	
CONTAINER TYPE, P/G						P	P	P	G	G	G	G	G	G	G	G
CHEMICAL PRESERVATION						D	B	F D	A	A	A	A	E	E	E	A
6031 MW-4D	10/19/06	09:22	N/A	20	11											
6034 MW-5A	10/19/06	10:15	N/A	18	10											
MW-7D					10											
6034 MW-8D	10/19/06	11:32	N/A	17	10											
6034 MW-9C	10/19/06	08:32	N/A	18	10											
MW-9D	10/19/06	13:52	N/A	17	10											
~~MW-13D~~					10											
6031 MW-4B *	10/19/06	15:18	N/A	20	10	X	X	X	X	X	X	X	X	X	X	X
EQUIPMENT BLANK	10/19/06	16:21	N/A	N/A									X			
TRIP BLANK	10/19/06	N/A	N/A	N/A									X			

PARAMETERS

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
☐ WASTEWATER (NPDES)
☐ DRINKING WATER
☐ DWQ/GW
☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: Y N

SAMPLES COLLECTED BY: (Please Print) KEVIN J. SHIELDS

SAMPLES RECEIVED IN LAB AT 4.4 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[signature]	10/20/06 09:30	[signature]	10/20/06 3:00
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:
* ACCT 6031
ADDITIONAL QA/QC SAMPLES PULLED AT EACH WELL.
Note: Samples are in the Ref. Storage Room & Ref. by (Cindy & Sandy area.)

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

Environment 1, Incorporated

REC'D DEC 1 8 2006

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6031 R

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD ,NC 27577

DATE COLLECTED: 10/23/06
DATE REPORTED : 12/15/06

REVIEWED BY:

PARAMETERS	MW-3	MW-6	MW-10	MW-11	MW-12B	Analysis Date	Analyst	Method Code
Mercury, ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	10/31/06	LFJ	EPA200.8
Tin, ug/l	< 100	< 100	< 100	< 100	< 100	10/31/06	LFJ	EPA200.8

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 R

ANALYST: MO
DATE COLLECTED: 10/23/06
DATE REPORTED: 12/15/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l — Date Analyzed:	11/02/06 MW-3	11/01/06 MW-6	11/01/06 MW-10	11/01/06 MW-11	11/02/06 MW-12B
1. Chloromethane	<10.00	<10.00	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
33. 1,2-Dibromoethane	<5.00	<5.00	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00	<5.00	12.30
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	5.20
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00	<100.00

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 R

ANALYST: MO
DATE COLLECTED: 10/23/06
DATE REPORTED: 12/15/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l — Date Analyzed:	11/02/06 MW-3	11/01/06 MW-6	11/01/06 MW-10	11/01/06 MW-11	11/02/06 MW-12B
48. Acrolein	<100.00	<100.00	<100.00	<100.00	<100.00
49. Allyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
50. Chloroprene	<20.00	<20.00	<20.00	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
53. 1,3-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
54. 2,2-Dichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00	<10.00	<10.00	<10.00
57. Hexachlorobutadiene	<10.00	<10.00	<10.00	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00	<100.00	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00	<100.00	<100.00	<100.00
60. Methyl Methacrylate	<30.00	<30.00	<30.00	<30.00	<30.00
61. Naphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
62. Propionitrile	<150.00	<150.00	<150.00	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
64. Acetonitrile	<100.00	<100.00	<100.00	<100.00	<100.00

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 R

ANALYST: MO
DATE COLLECTED: 10/23/06
DATE REPORTED: 12/15/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Date Analyzed: 11/02/06 Trip Blank
1. Chloromethane	<10.00
2. Vinyl Chloride	<10.00
3. Bromomethane	<10.00
4. Chloroethane	<10.00
5. Trichlorofluoromethane	<5.00
6. 1,1-Dichloroethene	<5.00
7. Acetone	<100.00
8. Iodomethane	<10.00
9. Carbon Disulfide	<100.00
10. Methylene Chloride	<10.00
11. trans-1,2-Dichloroethene	<5.00
12. 1,1-Dichloroethane	<5.00
13. Vinyl Acetate	<50.00
14. Cis-1,2-Dichloroethene	<5.00
15. 2-Butanone	<100.00
16. Bromochloromethane	<5.00
17. Chloroform	<5.00
18. 1,1,1-Trichloroethane	<5.00
19. Carbon Tetrachloride	<10.00
20. Benzene	<5.00
21. 1,2-Dichloroethane	<5.00
22. Trichloroethene	<5.00
23. 1,2-Dichloropropane	<5.00
24. Bromodichloromethane	<5.00
25. Cis-1,3-Dichloropropene	<10.00
26. 4-Methyl-2-Pentanone	<100.00
27. Toluene	<5.00
28. trans-1,3-Dichloropropene	<10.00
29. 1,1,2-Trichloroethane	<5.00
30. Tetrachloroethene	<5.00
31. 2-Hexanone	<50.00
32. Dibromochloromethane	<5.00
33. 1,2-Dibromoethane	<5.00
34. Chlorobenzene	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00
36. Ethylbenzene	<5.00
37. Xylenes	<5.00
38. Dibromomethane	<10.00
39. Styrene	<10.00
40. Bromoform	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00
42. 1,2,3-Trichloropropane	<15.00
43. 1,4-Dichlorobenzene	<5.00
44. 1,2-Dichlorobenzene	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00
46. Acrylonitrile	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 R

ANALYST: MO
DATE COLLECTED: 10/23/06
DATE REPORTED: 12/15/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Date Analyzed: 11/02/06 Trip Blank
48. Acrolein	<100.00
49. Allyl Chloride	<10.00
50. Chloroprene	<20.00
51. 1,3-Dichlorobenzene	<5.00
52. Dichlorodifluoromethane	<5.00
53. 1,3-Dichloropropane	<5.00
54. 2,2-Dichloropropane	<15.00
55. 1,1-Dichloropropene	<5.00
56. Ethyl Methacrylate	<10.00
57. Hexachlorobutadiene	<10.00
58. Isobutyl Alcohol	<100.00
59. Methacrylonitrile	<100.00
60. Methyl Methacrylate	<30.00
61. Naphthalene	<10.00
62. Propionitrile	<150.00
63. 1,2,4-Trichlorobenzene	<10.00
64. Acetonitrile	<100.00

Environment 1, Incorporated

REC'D DEC 1 8 2006

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6031 S

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD ,NC 27577

DATE COLLECTED: 10/16/06
DATE REPORTED : 12/15/06

REVIEWED BY:

PARAMETERS	Piezometer #3	Analysis Date	Analyst	Method Code
Mercury, ug/l	<0.5	10/24/06	LFJ	EPA200.8
Tin, ug/l	< 100	10/24/06	LFJ	EPA200.8

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 S

ANALYST: MO
DATE COLLECTED: 10/16/06
DATE ANALYZED: 10/25/06
DATE REPORTED: 12/15/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Piezometer #3
1. Chloromethane	<10.00
2. Vinyl Chloride	<10.00
3. Bromomethane	<10.00
4. Chloroethane	<10.00
5. Trichlorofluoromethane	<5.00
6. 1,1-Dichloroethene	<5.00
7. Acetone	<100.00
8. Iodomethane	<10.00
9. Carbon Disulfide	<100.00
10. Methylene Chloride	<10.00
11. trans-1,2-Dichloroethene	<5.00
12. 1,1-Dichloroethane	<5.00
13. Vinyl Acetate	<50.00
14. Cis-1,2-Dichloroethene	<5.00
15. 2-Butanone	<100.00
16. Bromochloromethane	<5.00
17. Chloroform	<5.00
18. 1,1,1-Trichloroethane	<5.00
19. Carbon Tetrachloride	<10.00
20. Benzene	<5.00
21. 1,2-Dichloroethane	<5.00
22. Trichloroethene	<5.00
23. 1,2-Dichloropropane	<5.00
24. Bromodichloromethane	<5.00
25. Cis-1,3-Dichloropropene	<10.00
26. 4-Methyl-2-Pentanone	<100.00
27. Toluene	<5.00
28. trans-1,3-Dichloropropene	<10.00
29. 1,1,2-Trichloroethane	<5.00
30. Tetrachloroethene	<5.00
31. 2-Hexanone	<50.00
32. Dibromochloromethane	<5.00
33. 1,2-Dibromoethane	<5.00
34. Chlorobenzene	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00
36. Ethylbenzene	<5.00
37. Xylenes	<5.00
38. Dibromomethane	<10.00
39. Styrene	<10.00
40. Bromoform	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00
42. 1,2,3-Trichloropropane	<15.00
43. 1,4-Dichlorobenzene	<5.00
44. 1,2-Dichlorobenzene	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00
46. Acrylonitrile	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00
48. Acrolein	<100.00

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 S

ANALYST: MO
DATE COLLECTED: 10/16/06
DATE ANALYZED: 10/25/06
DATE REPORTED: 12/15/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Piezometer #3
49. Allyl Chloride	<10.00
50. Chloroprene	<20.00
51. 1,3-Dichlorobenzene	<5.00
52. Dichlorodifluoromethane	<5.00
53. 1,3-Dichloropropane	<5.00
54. 2,2-Dichloropropane	<15.00
55. 1,1-Dichloropropene	<5.00
56. Ethyl Methacrylate	<10.00
57. Hexachlorobutadiene	<10.00
58. Isobutyl Alcohol	<100.00
59. Methacrylonitrile	<100.00
60. Methyl Methacrylate	<30.00
61. Naphthalene	<10.00
62. Propionitrile	<150.00
63. 1,2,4-Trichlorobenzene	<10.00
64. Acetonitrile	<100.00