96-01

OPERATION/CONSTRUCTION MANAGERS

Municipal Services

P.O. Box 97, Garner, North Carolina 27529 (919)772-5393

CIVIL/SANITARY ENGINEERS

Engineering Company, P.A.

P.O. Box 349, Boone, North Carolina 28607 (704)262-1767

Carmen Johnson
Fac/Perm/C ID # 96-01
Date 7/19/12
Doc ID#
DIN

DEC 1998
Received
Solid Waste Section

November 30, 1998

Mr. Larry Rose
Solid Waste Section
Division of Waste Management
North Carolina Department of
Environment and Natural Resources
401 Oberlin Road
Raleigh, NC 27605

Re: Wayne County Appendix II Baseline
Project No. G97076.0

Dear Mr. Rose:

Enclosed you will find baseline data for the Appendix II constituents Mercury, Naphthalene, and Bis-(2-Ethylhexyl) Phalate Samples were collected on September 2, 1998 and October 29, 1998 by Environment 1, Inc. The final set will be collected in December, 1998. This will complete the Appendix II baseline sampling requirement for the Wayne County Landfill. If you have any question regarding this data please call me at 919-772-5393.

Sincerely,
MUNICIPAL ENGINEERING SERVICE CO., P.A.

Richard R Allison
Geologist

Enclosures

-Only naphthalene detected in MW-6 on 10-29-98

Environment 1, Incorporated

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

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

October 23, 1998

Mr. Lloyd Cook
Wayne County Landfill
460B Landfill Road
Dudley, NC 28333

Dear Mr. Cook:

Enclosed are results for samples collected on 09/02/98 at the old Dudley facility. A copy of this data has been sent to Rick Allison at Municipal Engineers. As per Mr. Allison we have scheduled two more sampling events this year to sample for Appendix II detects only. If you have any questions please give me a call.

Sincerely,

Steve Jones

cc: Rick Allison

MUNICIPAL ENGINEERING SERVICES COMPANY
RECEIVED
OCT 26 1998

Environment 1, Incorporated

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#: 6043

WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY ,NC 28333

DATE COLLECTED: 09/02/98
DATE REPORTED : 10/15/98

REVIEWED BY:

PARAMETERS	Well #1	Well #2	Well #3	Well #4	Well #5	Analysis Date	Analyst	Method Code
PH (field measurement), Units	4.8	6.0	4.2	4.2	5.1	09/02/98	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030	<0.030	<0.030	<0.030	09/22/98	WSW	EPA7041
Arsenic, mg/l	<0.010	0.014	<0.010	<0.010	<0.010	10/05/98	WSW	EPA7061
Barium, mg/l	<0.500	<0.500	<0.500	<0.500	<0.500	09/04/98	WTH	EPA7080
Beryllium, mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	09/24/98	WSW	EPA6010B
Cadmium, mg/l	<0.001	<0.001	0.0045	<0.001	<0.001	09/24/98	WSW	EPA6010B
Cobalt, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	09/24/98	WSW	EPA6010B
Copper, mg/l	<0.200	<0.200	<0.200	<0.200	<0.200	09/14/98	WTH	EPA7210
Total Chromium, mg/l	<0.010	<0.010	<0.010	0.011	<0.010	09/24/98	WSW	EPA6010B
Lead, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	09/24/98	WSW	EPA6010B
Mercury, mg/l	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	09/08/98	WTH	EPA7470
Nickel, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	09/14/98	WTH	EPA7520
Selenium, mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	10/07/98	WSW	EPA7740
Silver, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	10/06/98	WSW	EPA7761
Thallium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	10/09/98	WSW	EPA7841
Vanadium, mg/l	<0.040	<0.040	<0.040	<0.040	<0.040	09/24/98	WSW	EPA6010B
Zinc, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	09/18/98	WTH	EPA7950
Conductivity (at 25c), uMhos	140	1500	340	350	420	09/04/98	JJR	SM2510B
Temperature, °C	19	22	20	21	23	09/02/98	RJH	SM2550B
Static Water Level, Feet	14.14	4.41	0.00	6.02	3.78	09/02/98	RJH	
Well Depth, feet	26.61	16.73	19.44	19.40	18.80	09/02/98	RJH	

Environment 1, Incorporated

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#: 6043

WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY ,NC 28333

DATE COLLECTED: 09/02/98
DATE REPORTED : 10/15/98

REVIEWED BY:

PARAMETERS	Well #6	Well #7	Well #8	Surface Water #1	Surface Water #2	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.4	4.1	4.4	7.7	Missing	09/02/98	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030	<0.030	<0.030	Missing	09/22/98	WSW	EPA7041
Arsenic, mg/l	0.013	0.011	<0.010	<0.010	Missing	10/05/98	WSW	EPA7080
Barium, mg/l	<0.500	<0.500	<0.500	<0.500	Missing	09/04/98	WTH	EPA7080
Beryllium, mg/l	<0.002	<0.002	<0.002	<0.002	Missing	09/24/98	WSW	EPA6010B
Cadmium, mg/l	<0.001	<0.001	<0.001	<0.001	Missing	09/24/98	WSW	EPA6010B
Cobalt, mg/l	<0.010	<0.010	<0.010	<0.010	Missing	09/24/98	WSW	EPA6010B
Copper, mg/l	<0.200	<0.200	<0.200	<0.200	Missing	09/14/98	WTH	EPA7210
Total Chromium, mg/l	0.071	0.117	0.038	<0.010	Missing	09/24/98	WSW	EPA6010B
Lead, mg/l	0.035	0.048	0.011	<0.010	Missing	09/24/98	WSW	EPA6010B
Mercury, mg/l	<0.0005	<0.0005	<0.0005			09/08/98	WTH	EPA7470
Nickel, mg/l	<0.050	<0.050	<0.050	<0.050	Missing	09/14/98	WTH	EPA7520
Selenium, mg/l	<0.003	<0.020	<0.020	<0.020	Missing	10/07/98	WSW	EPA7740
Silver, mg/l	<0.010	<0.010	<0.010	<0.010	Missing	10/06/98	WSW	EPA7761
Thallium, mg/l	<0.010	<0.010	<0.010	<0.010	Missing	10/09/98	WSW	EPA7841
Vanadium, mg/l	0.078	0.246	<0.040	<0.040	Missing	09/24/98	WSW	EPA6010B
Zinc, mg/l	<0.050	<0.050	<0.050	<0.050	Missing	09/18/98	WTH	EPA7950
Conductivity (at 25c), uMhos	270	66	80	1200	Missing	09/04/98	JJR	SM2510B
Temperature, °C	26	23	20	27	Missing	09/02/98	RJH	SM2550B
Static Water Level, Feet	5.04	6.57	17.17			09/02/98	RJH	
Well Depth, feet	18.98	19.74	29.77			09/02/98	RJH	

Environment 1, Incorporated

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

PHONE (252) 756-6208
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Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6043

WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY ,NC 28333

DATE COLLECTED: 09/02/98
DATE REPORTED : 10/15/98

REVIEWED BY:

PARAMETERS	Surface Water #3	Equipment Blank	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units	Missing			/ /		
Antimony, mg/l	Missing	<0.030		09/22/98	WSW	EPA7041
Arsenic, mg/l	Missing	<0.010		10/05/98	WSW	EPA7061
Barium, mg/l	Missing	<0.500		09/04/98	WTH	EPA7080
Beryllium, mg/l	Missing	<0.002		09/24/98	WSW	EPA6010B
Cadmium, mg/l	Missing	<0.001		09/24/98	WSW	EPA6010B
Cobalt, mg/l	Missing	<0.010		09/24/98	WSW	EPA6010B
Copper, mg/l	Missing	<0.200		09/14/98	WTH	EPA7210
Total Chromium, mg/l	Missing	<0.010		09/24/98	WSW	EPA6010B
Lead, mg/l	Missing	<0.010		09/24/98	WSW	EPA6010B
Mercury, mg/l		<0.0005		09/08/98	WTH	EPA7470
Nickel, mg/l	Missing	<0.050		09/14/98	WTH	EPA7520
Selenium, mg/l	Missing	<0.020		10/07/98	WSW	EPA7740
Silver, mg/l	Missing	<0.010		10/06/98	WSW	EPA7761
Thallium, mg/l	Missing	<0.010		10/09/98	WSW	EPA7841
Vanadium, mg/l	Missing	<0.040		09/24/98	WSW	EPA6010B
Zinc, mg/l	Missing	<0.050		09/18/98	WTH	EPA7950
Conductivity (at 25c), uMhos	Missing			/ /		
Temperature, °C	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: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: CHS
DATE COLLECTED: 09/02/98
DATE EXTRACTED: 09/03/98
DATE REPORTED: 10/15/98

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

Date Analyzed: / PARAMETERS, ug/l	09/10/98 Well #1	09/10/98 Well #2	09/10/98 Well #3	09/11/98 Well #4	09/11/98 Well #5
24. Bis-(2-Ethylhexyl) Phthalate	<20.00	<20.00	<20.00	<20.00	<20.00

Environment 1, Incorporated

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

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

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: CHS
DATE COLLECTED: 09/02/98
DATE EXTRACTED: 09/03/98
DATE REPORTED: 10/15/98

REVIEWED BY: _____

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

Date Analyzed: / PARAMETERS, ug/l	09/11/98 Well #6	09/11/98 Well #7	09/11/98 Well #8	09/11/98 Equipment Blank
24. Bis-(2-Ethylhexyl) Phthalate	<20.00	<20.00	<20.00	<20.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: SKP
DATE COLLECTED: 09/02/98
DATE ANALYZED: 09/03/98
DATE REPORTED: 10/15/98

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Well #1	Well #2	Well #3	Well #4	Well #5
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	<5.00	<5.00	<5.00	<5.00	<5.00
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	<5.00	<5.00	<5.00	<5.00	<5.00
26. 4-Methyl-2-Pentanone	<50.00	<50.00	<50.00	<50.00	<50.00
27. Toluene	<5.00	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
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	18.00	<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	<5.00	<5.00	<5.00	<5.00	<5.00
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
61. Naphthalene	<5.00	<5.00	<5.00	<5.00	<5.00

Environment 1, Incorporated

Drinking Water ID: 27715
Wastewater ID: 10

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

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

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: SKP
DATE COLLECTED: 09/02/98
DATE ANALYZED: 09/03/98
DATE REPORTED: 10/15/98

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Well #6	Well #7	Well #8	Equipment Blank	Trip Blank
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	<5.00	<5.00	<5.00	<5.00	<5.00
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	<5.00	<5.00	<5.00	<5.00	<5.00
26. 4-Methyl-2-Pentanone	<50.00	<50.00	<50.00	<50.00	<50.00
27. Toluene	<5.00	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
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	6.50	<5.00	16.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	7.10	<5.00	<5.00	<5.00	<5.00
37. Xylenes	43.00	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
39. Styrene	<5.00	<5.00	<5.00	<5.00	<5.00
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	7.20	<5.00	21.00	<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
61. Naphthalene	<5.00	<5.00	<5.00	<5.00	<5.00

Environment 1, Incorporated

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

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

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: SKP
DATE COLLECTED: 09/02/98
DATE ANALYZED: 09/03/98
DATE REPORTED: 10/15/98

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Surface Water #1
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	<5.00
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	<5.00
26. 4-Methyl-2-Pentanone	<50.00
27. Toluene	<5.00
28. trans-1,3-Dichloropropene	<5.00
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	<5.00
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, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

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

CHAIN OF CUSTODY RECORD

CLIENT: 6043 Week: 33

WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY NC 28333

(919) 689-2994

																					CHLORINE NEUTRALIZED AT COLLECTION
							<2				<2	<2	<2								pH CHECK (LAB)
						P	P	P	P		G	G	G	G							CONTAINER TYPE, P/G
						A	B	A	A		E	E	E	A							CHEMICAL PRESERVATION
SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Conductivity	Temperature	Field Parameter	EPA 8260B	8260B Duplicate	8260B APP. II	8270 BIS-2 ONLY							PARAMETERS
Well #1	09 02 98	1340		19	4	G	G	G	G	G		G	G	G							
Well #2	09 02 98	1010		22	4	G	G	G	G	G		G	G	G							
Well #3	09 02 98	1155		20	4	G	G	G	G	G		G	G	G							
Well #4	09 02 98	1250		21	4	G	G	G	G	G		G	G	G							
Well #5	09 02 98	1030		23	4	G	G	G	G	G		G	G	G							
Well #6	09 02 98	1225		26	4	G	G	G	G	G		G	G	G							
Well #7	09 02 98	1110		23	4	G	G	G	G	G		G	G	G							
Well #8	09 02 98	1320		20	4	G	G	G	G	G		G	G	G							
Surface Water #1	09 02 98	1045		27	4	G	G	G	G		G	G									
~~Surface Water #2~~	~~09 02 98~~				4	G	G	G	G		G	G		DRY							
~~Surface Water #3~~	~~09 02 98~~				4	G	G	G	G		G	G		DRY							

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

CLASSIFICATION:

- [ ] WASTEWATER (NPDES)
- [ ] DRINKING WATER
- [ ] DWQ/GW
- [X] SOLID WASTE
- [ ] OTHER _____

SAMPLES COLLECTED BY: H Logue

SAMPLES RECEIVED IN LAB AT 9.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hogue	09 02 98 1545	Vassu Anhart	9/2/98 3:45
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

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.

№ 11223

FORM #5

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

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

CHAIN OF CUSTODY RECORD

CLIENT: 6043 Week: 33

WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY NC 28333

(919) 689-2994

																					CHLORINE NEUTRALIZED AT COLLECTION
							<2				<2	<2	<2								pH CHECK (LAB)
						P	P	P	P		G	G	G	G							CONTAINER TYPE, P/G
						A	B	A	A		E	E	E	A							CHEMICAL PRESERVATION
SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Conductivity	Temperature	Field Parameter	EPA 8260B	8260B Duplicate	8260B APP. II	8270 BNS-2 only							PARAMETERS
Equipment Blank	09/02/98				3		G					G	G	G							
Trip Blank					2							G	G								

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

CLASSIFICATION:

- [ ] WASTEWATER (NPDES)
- [ ] DRINKING WATER
- [ ] DWQ/GW
- [X] SOLID WASTE
- [ ] OTHER _____

SAMPLES COLLECTED BY: [signature]

SAMPLES RECEIVED IN LAB AT 9.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[signature]	09/02/98 1545	Vassie Arnaux	9/2/98 3:45
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

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.

№ 11222

Environment 1, Incorporated

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

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

November 13, 1998

Mr. Lloyd Cook
Wayne County Landfill
460B Landfill Road
Dudley, NC 28333

Dear Mr. Cook:

Enclosed are results for samples collected on 10/29/98 at the old Dudley facility for Appendix II detects only. A copy of this data has been sent to Rick Allison at Municipal Engineers. As per Mr. Allison we have scheduled one more sampling event this year to sample for Appendix II detects and Surface Water 2 and 3 which were dry the last two sampling events. If you have any questions please give me a call.

Sincerely,

Steve Jones

cc: Rick Allison

MUNICIPAL ENGINEERING
RECEIVED
NOV 16 1998
SERVICES COMPANY

Environment 1, Incorporated

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#: 6043

WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY ,NC 28333

DATE COLLECTED: 10/29/98
DATE REPORTED : 11/13/98

REVIEWED BY:

PARAMETERS	Well #1	Well #2	Well #3	Well #4	Well #5	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.4	6.4	4.7	4.5	4.8	10/29/98	RJH	EPA150.1
Mercury, mg/l	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	11/03/98	WTH	EPA7470
Conductivity (at 25c), uMhos	20	1200	30	300	380	10/30/98	JMH	SM2510B
Temperature, °C	18	20	19	20	21	10/29/98	RJH	SM2550B
Static Water Level, Feet	14.43	5.08	0.00	6.36	4.00	10/29/98	RJH	
Well Depth, feet	26.59	16.71	19.45	19.42	18.80	10/29/98	RJH	

Environment 1, Incorporated

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#: 6043

WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY ,NC 28333

DATE COLLECTED: 10/29/98
DATE REPORTED : 11/13/98

REVIEWED BY:

PARAMETERS	Well #6	Well #7	Well #8	Equipment Blank	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.0	4.6	4.8			10/29/98	RJH	EPA150.1
Mercury, mg/l	<0.0005	<0.0005	<0.0005	<0.0005		11/03/98	WTH	EPA7470
Conductivity (at 25c), uMhos	410	530	62			10/30/98	JMH	SM2510B
Temperature, °C	21	21	19			10/29/98	RJH	SM2550B
Static Water Level, Feet	5.91	8.32	17.89			10/29/98	RJH	
Well Depth, feet	18.96	19.88	29.69			10/29/98	RJH	

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10
P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085
PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: CHS
DATE COLLECTED: 10/29/98
DATE EXTRACTED: 10/30/98
DATE ANALYZED: 11/07/98
DATE REPORTED: 11/13/98

Page: 1

REVIEWED BY:

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	Well #1	Well #2	Well #3	Well #4	Well #5
24. Bis-(2-Ethylhexyl) Phthalate	<20.00	<20.00	<20.00	<20.00	<20.00

Environment 1, Incorporated

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

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

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: CHS
DATE COLLECTED: 10/29/98
DATE EXTRACTED: 10/30/98
DATE ANALYZED: 11/07/98
DATE REPORTED: 11/13/98

REVIEWED BY:

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	Well #6	Well #7	Well #8	Equipment Blank
24. Bis-(2-Ethylhexyl) Phthalate	<20.00	<20.00	<20.00	<20.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: SKP
DATE COLLECTED: 10/29/98
DATE REPORTED: 11/13/98

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

Date Analyzed: / PARAMETERS, ug/l	11/10/98 Well #1	11/10/98 Well #2	11/10/98 Well #3	11/10/98 Well #4	11/10/98 Well #5
61. Naphthalene	<5.00	<5.00	<5.00	<5.00	<5.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: SKP
DATE COLLECTED: 10/29/98
DATE REPORTED: 11/13/98

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

Date Analyzed: / PARAMETERS, ug/l	11/11/98 Well #6	11/11/98 Well #7	11/11/98 Well #8	11/11/98 Equipment Blank	11/11/98 Trip Blank
61. Naphthalene	5.40	<5.00	<5.00	<5.00	<5.00

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

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

CHAIN OF CUSTODY RECORD

CLIENT: **6043** **Week: 47**

WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY NC 28333

(919) 689-2994

																						CHLORINE NEUTRALIZED AT COLLECTION
								<2				<2			<2							pH CHECK (LAB)
						P	P	P	P		G	G	G	G	G							CONTAINER TYPE, P/G
						A	B	A	A		E	E	A	A	E							CHEMICAL PRESERVATION
SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Conductivity	Temperature	Field Parameter	EPA 8260B	8260B Duplicate	EPA 8270C	8270C B/N	8260B APP. II							PARAMETERS
Well #1	10-29-98	12:55			6	G	G	G	G	G		G	G	G	G							
Well #2	10-29-98	09:55			6	G	G	G	G	G		G	G	G	G							
Well #3	10-29-98	10:45			6	G	G	G	G	G		G	G	G	G							
Well #4	10-29-98	11:40			6	G	G	G	G	G		G	G	G	G							
Well #5	10-29-98	10:25			6	G	G	G	G	G		G	G	G	G							
Well #6	10-29-98	11:20			6	G	G	G	G	G		G	G	G	G							
Well #7	10-29-98	12:15			6	G	G	G	G	G		G	G	G	G							
Well #8	10-29-98	12:35			6	G	G	G	G	G		G	G	G	G							
Surface Water #2					4	G	G	G	G													
Surface Water #3					4	G	G	G	G													
Equipment Blank					5		G					G	G	G	G							

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

CLASSIFICATION:

- [ ] WASTEWATER (NPDES)
- [ ] DRINKING WATER
- [ ] DWQ/GW
- [x] SOLID WASTE SECTION
- [ ] OTHER_____

SAMPLES COLLECTED BY: N Lagg Fof

SAMPLES RECEIVED IN LAB AT <4.0°C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Wagg	10-29-98 3:59	Vassie Hall	10/29/98 3:59
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:
SURFACE WATER LOCATIONS DRY AT TIME OF SAMPLING.

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.

№ 21632

FORM #5

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

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

CHAIN OF CUSTODY RECORD

CLIENT: **6043** **Week: 47**

WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY NC 28333

(919) 689-2994

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Conductivity	Temperature	Field Parameter	EPA 8260B	8260B Duplicate	EPA 8270C	8270C B\N	8260B APP. II
												<2			<2
						P	P	P	P		G	G	G	G	G
						A	B	A	A		E	E	A	A	E
Trip Blank					2							G			G

PARAMETERS

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB)

CONTAINER TYPE, P/G

CHEMICAL PRESERVATION

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

CLASSIFICATION:

- [ ] WASTEWATER (NPDES)
- [ ] DRINKING WATER
- [ ] DWQ/GW
- [x] SOLID WASTE SECTION
- [ ] OTHER _____

SAMPLES COLLECTED BY: Hilgoe Fox

SAMPLES RECEIVED IN LAB AT <4.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
	10/29/98	Vassie Jordan	10/29/98 3:59
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

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.

№ 21631

FORM #5