9606-MSWLF-1998

96-01
8-9-01

OPERATION/CONSTRUCTION MANAGERS

Municipal Services

PO Box 97, Garner, North Carolina 27529 (919) 772-5393

CIVIL/SANITARY ENGINEERS

Engineering Company, P.A.

PO Box 349, Boone, North Carolina 28607 (828) 262-1767

October 31, 2001

Carmen Johnson
69-01 Date 7/19/12 Doc ID# DIN

NOV 2001
Received
Solid Waste Section

Mr. Mark Poindexter
Solid Waste Section
Division of Waste Management
North Carolina Department of Environment and Natural Resources
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Re: Groundwater Sampling and Analysis
Wayne County Closed Landfill (Dudley), Wayne County, North Carolina
MESCO Project No. G01016.0

Dear Mr. Poindexter:

The Wayne County Closed Sanitary Landfill in Dudley, North Carolina was sampled and analyzed for Appendix I & II list of constituents by Environment 1, Inc. of Greenville on August 9, 2001. Water samples were obtained from monitoring wells MW-1 through MW-8 and surface water SW-1. The other two surface monitoring locations SW-2 and SW-3 were not sampled during this event due to dryness.

All detected constituents were compared with North Carolina Groundwater Standards to check for regulatory exceedances. The results are shown in the enclosed table titled "Exceedance Scan". The results show only the metals lead, chromium, and mercury as the only constituents detected above the Standard. Lead was detected in concentrations above the Maximum Contaminant Level (MCL) within the compliance wells MW-2, MW-6, MW-7 and MW-8. No Appendix II VOC constituents were detected during this sampling event, however, chlorobenzene was found within MW-2, MW-6, and MW-8 at levels far below the MCL.

As proposed by Municipal Engineering Services Company, P.A. (MESCO) and approved by the Solid Waste Section MW-7 has been excluded from the Appendix II sampling requirement. Monitoring locations MW-1, MW-3, MW-5, MW-7, SW-1, SW-2, and SW-3 are to continue semi-annual sampling for the Appendix I list of parameters. However, MW-2, MW-4, MW-MW-6, and MW-8 are required to continue under the assessment-monitoring program, which entails analyses for the complete Appendix II list of constituents.

MESCO completed the enclosed potentiometric map with flow rate and direction as well as the comparisons to the North Carolina Groundwater Standard. Statistical analyses will be conducted shortly on all detected constituents for inter-well and intra-well comparisons, and the results will be submitted to the Section upon completion. If you have any questions or comments regarding this report, please contact me at (919) 772-5393 or by email at jpfohl@mesco.com

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

Jonathan Pfohl
Environmental Technician

Enclosures

cc: Mr. Lloyd Cook
Wayne County

Exceedance Scan
Wayne County Closed Landfill (Dudley)

Well ID	Parameter Name [1]	Sample Date	Result	Unit	PQL [2]	MCL [3]	Exceedance
MW-2	Chromium, total	8/9/01	0.018	mg/l	0.01	0.05	
MW-2	**Lead, total**	**8/9/01**	**0.031**	**mg/l**	**0.01**	**0.015**	**0.016**
MW-2	Chlorobenzene	8/9/01	14.00	ug/l	5	50	
MW-4	Lead, total	8/9/01	0.010	mg/l	0.01	0.015	
MW-6	**Chromium, total**	**8/9/01**	**0.110**	**mg/l**	**0.01**	**0.05**	**0.06**
MW-6	**Lead, total**	**8/9/01**	**0.043**	**mg/l**	**0.01**	**0.015**	**0.028**
MW-6	Vanadium	8/9/01	0.119	mg/l	0.04	-	
MW-6	1,4-Dichlorobenzene	8/9/01	10.00	ug/l	5	75	
MW-6	Chlorobenzene	8/9/01	9.70	ug/l	5	50	
MW-6	Xylene	8/9/01	65.00	ug/l	5	530	
MW-7	**Chromium, total**	**8/9/01**	**0.052**	**mg/l**	**0.01**	**0.05**	**0.002**
MW-7	**Lead, total**	**8/9/01**	**0.023**	**mg/l**	**0.01**	**0.015**	**0.008**
MW-7	Vanadium	8/9/01	0.104	mg/l	0.04	-	
MW-8	**Lead, total**	**8/9/01**	**0.021**	**mg/l**	**0.01**	**0.015**	**0.006**
MW-8	**Mercury**	**8/9/01**	**0.0012**	**mg/l**	**0.0005**	**0.0011**	**1E-04**
MW-8	Vanadium	8/9/01	0.109	mg/l	0.04	-	
MW-8	1,4-Dichlorobenzene	8/9/01	29.00	ug/l	5	75	
MW-8	Chlorobenzene	8/9/01	15.00	ug/l	5	50	

[1] Table only contains detected constituents.
[2] PQL = Practical Quantitation Limit
[3] MCL = Maximum Contaminant Level (North Carolina Groundwater Standard)

Hydrologic Properties at Monitoring Well Locations
Wayne County Closed Sanitary Landfill (Dudley)

Monitoring Well	Hydraulic Conductivity (cm/sec)	Hydraulic Gradient	Flow Rate (ft/yr)	Flow Direction	Water Table Depth (ft)	Water Table Elev. (ft)
MW-1	5.40E-04	0.007	4.2	N59W	14.85	148.41
MW-2	3.00E-04	0.007	2.3	N56W	5.19	129.33
MW-3	6.40E-03	0.012	79.1	N59W	0.7	134.11
MW-4	9.90E-04	0.007	7.4	N54W	6.81	143.39
MW-5	3.10E-05	0.022	0.7	N48W	3.2	121.58
MW-6	1.60E-04	0.007	1.1	N53W	6.61	138.92
MW-7	7.30E-05	0.007	0.5	N61W	8.53	135.06
MW-8	3.40E-04	0.006	2.0	N62W	19.21	142.67

NOTE: Data for conductivities and effective porosity obtained from GAI Consultants' Water Sampling Report (January, 1995).

Hydrologic Gradient taken from the August 9, 2001 sampling event.

Flow rate (Q) is defined by the equation:

where

$$Q = -K \cdot \frac{dh}{dl}$$

K = hydraulic conductivity
dh = head difference
dl = horizontal distance

Environment 1, Incorporated

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

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

MUNICIPAL ENGINEERING SERVICES COMPANY
RECEIVED
SEP 4 2001

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6043

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

DATE COLLECTED: 08/09/01
DATE REPORTED : 08/30/01

REVIEWED BY:

PARAMETERS	Well #1	Well #2	Well #3	Well #4	Well #5	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.2	5.8	5.5	4.6	5.3	08/09/01	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030	<0.030	<0.030	<0.030	08/21/01	MLH	EPA7041
Arsenic, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	08/22/01	MLH	EPA7060
Barium, mg/l	<0.500	<0.500	<0.500	<0.500	<0.500	08/11/01	LFJ	EPA6010B
Beryllium, mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	08/11/01	LFJ	EPA6010B
Cadmium, mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	08/29/01	MLH	EPA7131
Cobalt, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	08/11/01	LFJ	EPA6010B
Copper, mg/l	<0.200	<0.200	<0.200	<0.200	<0.200	08/13/01	MLH	EPA7210
Total Chromium, mg/l	<0.010	0.018	<0.010	<0.010	<0.010	08/11/01	LFJ	EPA6010B
Lead, mg/l	<0.010					08/11/01	LFJ	EPA6010B
		0.031				08/20/01	MLH	EPA7421
			<0.010	0.010	<0.010	08/11/01	LFJ	EPA6010B
Mercury, mg/l		<0.0005		<0.0005		08/14/01	LFJ	EPA7470
Nickel, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	08/15/01	LFJ	EPA6010B
Selenium, mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	08/28/01	MLH	EPA7740
Silver, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	08/11/01	LFJ	EPA6010B
Thallium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	08/14/01	MLH	EPA7841
Vanadium, mg/l	<0.040	<0.040	<0.040	<0.040	<0.040	08/16/01	LFJ	EPA6010B
Zinc, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	08/16/01	LFJ	EPA6010B
Conductivity (at 25c), uMhos	13	1500	30	87	45	08/09/01	RJH	SM2510B
Temperature, °C	18	21	20	19	21	08/09/01	RJH	SM2550B
Static Water Level, Feet	14.85	5.19	0.70	6.81	3.20	08/09/01	RJH	
Well Depth, feet	26.61	16.65	19.46	19.45	18.84	08/09/01	RJH	

Environment 1, Incorporated

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GREENVILLE, N.C. 27835-7085

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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: 08/09/01
DATE REPORTED : 08/30/01

REVIEWED BY:

PARAMETERS	Well #6	Well #7	Well #8	Surface Water #1	Surface Water #2	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.2	4.0	4.6	6.7	Missing	08/09/01	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030	<0.030	<0.030	Missing	08/21/01	MLH	EPA7041
Arsenic, mg/l	<0.010	<0.010	<0.010	<0.010	Missing	08/22/01	MLH	EPA7060
Barium, mg/l	<0.500	<0.500	<0.500	<0.500	Missing	08/11/01	LFJ	EPA6010B
Beryllium, mg/l	<0.002	<0.002	<0.002	<0.002	Missing	08/11/01	LFJ	EPA6010B
Cadmium, mg/l	<0.001	<0.001	<0.001	<0.001	Missing	08/29/01	MLH	EPA7131
Cobalt, mg/l	<0.010	<0.010	<0.010	<0.010	Missing	08/11/01	LFJ	EPA6010B
Copper, mg/l	<0.200	<0.200	<0.200	<0.200	Missing	08/13/01	MLH	EPA7210
Total Chromium, mg/l	0.110	0.052	<0.010	<0.010	Missing	08/11/01	LFJ	EPA6010B
Lead, mg/l	0.043	0.023	0.021	<0.010	Missing	08/11/01	LFJ	EPA6010B
Mercury, mg/l	<0.0005	<0.0005	0.0012			08/14/01	LFJ	EPA7470
Nickel, mg/l	<0.050	<0.050	<0.050	<0.050	Missing	08/15/01	LFJ	EPA6010B
Selenium, mg/l	<0.020	<0.020	<0.020	<0.020	Missing	08/28/01	MLH	EPA7740
Silver, mg/l	<0.010	<0.010	<0.010	<0.010	Missing	08/11/01	LFJ	EPA6010B
Thallium, mg/l	<0.010	<0.010	<0.010	<0.010	Missing	08/14/01	MLH	EPA7841
Vanadium, mg/l	0.119	0.104	0.109	<0.040	Missing	08/16/01	LFJ	EPA6010B
Zinc, mg/l	<0.050	<0.050	<0.050	<0.050	Missing	08/16/01	LFJ	EPA6010B
Conductivity (at 25c), uMhos	180	73	1100	640	Missing	08/09/01	RJH	SM2510B
Temperature, °C	23	20	20	28	Missing	08/09/01	RJH	SM2550B
Static Water Level, Feet	6.61	8.53	19.21			08/09/01	RJH	
Well Depth, feet	19.00	19.89	30.01			08/09/01	RJH	
EPA Method 8260B Volatiles					Missing	08/09/01		
8260 (Duplicate)					Missing	/ /		

Environment 1, Incorporated

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

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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: 08/09/01
DATE REPORTED : 08/30/01

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		08/21/01	MLH	EPA7041
Arsenic, mg/l	Missing	<0.010		08/22/01	MLH	EPA7060
Barium, mg/l	Missing	<0.500		08/11/01	LFJ	EPA6010B
Beryllium, mg/l	Missing	<0.002		08/11/01	LFJ	EPA6010B
Cadmium, mg/l	Missing	<0.001		08/29/01	MLH	EPA7131
Cobalt, mg/l	Missing	<0.010		08/11/01	LFJ	EPA6010B
Copper, mg/l	Missing	<0.200		08/13/01	MLH	EPA7210
Total Chromium, mg/l	Missing	<0.010		08/11/01	LFJ	EPA6010B
Lead, mg/l	Missing	<0.010		08/11/01	LFJ	EPA6010B
Mercury, mg/l		<0.0005		08/14/01	LFJ	EPA7470
Nickel, mg/l	Missing	<0.050		08/15/01	LFJ	EPA6010B
Selenium, mg/l	Missing	<0.020		08/28/01	MLH	EPA7740
Silver, mg/l	Missing	<0.010		08/11/01	LFJ	EPA6010B
Thallium, mg/l	Missing	<0.010		08/14/01	MLH	EPA7841
Vanadium, mg/l	Missing	<0.040		08/16/01	LFJ	EPA6010B
Zinc, mg/l	Missing	<0.050		08/16/01	LFJ	EPA6010B
Conductivity (at 25c), uMhos	Missing			/ /		
Temperature, °C	Missing			/ /		
EPA Method 8260B Volatiles	Missing			/ /		
8260 (Duplicate)	Missing			/ /		

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: NNR
DATE COLLECTED: 08/09/01
DATE ANALYZED: 08/22/01
DATE REPORTED: 08/30/01

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

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

Environment 1, Incorporated

Drinking Water ID: 37715
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P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
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CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: CHS
DATE COLLECTED: 08/09/01
DATE EXTRACTED: 08/13/01
DATE ANALYZED: 08/16/01
DATE REPORTED: 08/30/01

REVIEWED BY: _____

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	Well #2	Well #4	Well #6	Well #7	Well #8
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. Crysene	<10.00	<10.00	<10.00	<10.00	<10.00
17. Dibenz[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. Ethyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
38. Methyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
39. Acetophenone	<10.00	<10.00	<10.00	<10.00	<10.00
40. 2-Acetylaminofluorene	<20.00	<20.00	<20.00	<20.00	<20.00
41. 4-Aminobiphenyl	<20.00	<20.00	<20.00	<20.00	<20.00
42. Benzyl Alcohol	<20.00	<20.00	<20.00	<20.00	<20.00
43. 4-Chloroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
44. Chlorobenzilate	<10.00	<10.00	<10.00	<10.00	<10.00
45. Diallate	<10.00	<10.00	<10.00	<10.00	<10.00
46. Dibenzofuran	<10.00	<10.00	<10.00	<10.00	<10.00
47. 3,3-Dichlorobenzidine	<20.00	<20.00	<20.00	<20.00	<20.00
48. Dimethoate	<20.00	<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: CHS
DATE COLLECTED: 08/09/01
DATE EXTRACTED: 08/13/01
DATE ANALYZED: 08/16/01
DATE REPORTED: 08/30/01

REVIEWED BY:

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	Well #2	Well #4	Well #6	Well #7	Well #8
49. P-Dimethylaminoazobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
50. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
51. 3,3-Dimethylbenzadine	<10.00	<10.00	<10.00	<10.00	<10.00
52. 1,3-Dinitrobenzene	<20.00	<20.00	<20.00	<20.00	<20.00
53. Diphenylamine	<10.00	<10.00	<10.00	<10.00	<10.00
54. Disulfoton	<10.00	<10.00	<10.00	<10.00	<10.00
55. Famphur	<20.00	<20.00	<20.00	<20.00	<20.00
56. Hexachloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
57. Isosafrole	<10.00	<10.00	<10.00	<10.00	<10.00
58. Kepone	<20.00	<20.00	<20.00	<20.00	<20.00
59. Methapryilene	<100.00	<100.00	<100.00	<100.00	<100.00
60. 3-Methylchloroanthrene	<10.00	<10.00	<10.00	<10.00	<10.00
61. 2-Methylnaphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
62. Methyl Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
63. 1,4-Naphthoquinone	<10.00	<10.00	<10.00	<10.00	<10.00
64. 1-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
65. 2-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
66. 2-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
67. 3-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
68. 4-Nitroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
69. 5-Nitro-O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
70. N-Nitroso-n-butlyamine	<10.00	<10.00	<10.00	<10.00	<10.00
71. N-Nitrosodiethylamine	<20.00	<20.00	<20.00	<20.00	<20.00
72. N-Nitrosomethylethylamine	<10.00	<10.00	<10.00	<10.00	<10.00
73. N-Nitrosopiperidine	<20.00	<20.00	<20.00	<20.00	<20.00
74. N-Nitrosopyrrolidine	<40.00	<40.00	<40.00	<40.00	<40.00
75. Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
76. Pentachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
77. Pentachloronitrobenzene	<50.00	<50.00	<50.00	<50.00	<50.00
78. Phenacetin	<20.00	<20.00	<20.00	<20.00	<20.00
79. 1,4-Phenylenediamine	<10.00	<10.00	<10.00	<10.00	<10.00
80. Phorate	<10.00	<10.00	<10.00	<10.00	<10.00
81. Pronamide	<10.00	<10.00	<10.00	<10.00	<10.00
82. Safrole	<10.00	<10.00	<10.00	<10.00	<10.00
83. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
84. Thionazin	<20.00	<20.00	<20.00	<20.00	<20.00
85. O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
86. 1,3,5-Trinitrobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
87. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00	<10.00	<10.00	<10.00
88. Hexachloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
89. Isodrin	<100.00	<100.00	<100.00	<100.00	<100.00

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: CHS
DATE COLLECTED: 08/09/01
DATE EXTRACTED: 08/13/01
DATE ANALYZED: 08/16/01
DATE REPORTED: 08/30/01

REVIEWED BY:

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	Equipment Blank
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. Crysene	<10.00
17. Dibenz[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. Ethyl Methanesulfonate	<10.00
38. Methyl Methanesulfonate	<10.00
39. Acetophenone	<10.00
40. 2-Acetylaminofluorene	<20.00
41. 4-Aminobiphenyl	<20.00
42. Benzyl Alcohol	<20.00
43. 4-Chloroaniline	<20.00
44. Chlorobenzilate	<10.00
45. Diallate	<10.00
46. Dibenzofuran	<10.00
47. 3,3-Dichlorobenzidine	<20.00
48. Dimethoate	<20.00

Environment 1, Incorporated

Drinking Water ID: 17715
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: 08/09/01
DATE EXTRACTED: 08/13/01
DATE ANALYZED: 08/16/01
DATE REPORTED: 08/30/01

REVIEWED BY: _____

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	Equipment Blank
49. P-Dimethylaminoazobenzene	<10.00
50. 7,12-Dimethylbenz[a]anthracene	<10.00
51. 3,3-Dimethylbenzadine	<10.00
52. 1,3-Dinitrobenzene	<20.00
53. Diphenylamine	<10.00
54. Disulfoton	<10.00
55. Famphur	<20.00
56. Hexachloropropene	<10.00
57. Isosafrole	<10.00
58. Kepone	<20.00
59. Methapryilene	<100.00
60. 3-Methylchloroanthrene	<10.00
61. 2-Methylnaphthalene	<10.00
62. Methyl Parathion	<10.00
63. 1,4-Naphthoquinone	<10.00
64. 1-Naphthylamine	<10.00
65. 2-Naphthylamine	<10.00
66. 2-Nitroaniline	<50.00
67. 3-Nitroaniline	<50.00
68. 4-Nitroaniline	<20.00
69. 5-Nitro-O-Toluidine	<10.00
70. N-Nitroso-n-butlyamine	<10.00
71. N-Nitrosodiethylamine	<20.00
72. N-Nitrosomethylethylamine	<10.00
73. N-Nitrosopiperidine	<20.00
74. N-Nitrosopyrrolidine	<40.00
75. Parathion	<10.00
76. Pentachlorobenzene	<10.00
77. Pentachloronitrobenzene	<50.00
78. Phenacetin	<20.00
79. 1,4-Phenylenediamine	<10.00
80. Phorate	<10.00
81. Pronamide	<10.00
82. Safrole	<10.00
83. 1,2,4,5-Tetrachlorobenzene	<10.00
84. Thionazin	<20.00
85. O-Toluidine	<10.00
86. 1,3,5-Trinitrobenzene	<10.00
87. 0,0,0-Triethyl Phosphorothioate	<10.00
88. Hexachloroethane	<10.00
89. Isodrin	<100.00

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: NNR
DATE COLLECTED: 08/09/01
DATE ANALYZED: 08/22/01
DATE REPORTED: 08/30/01

Page: 1

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Well #2	Well #4	Well #6	Well #7	Well #8
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	14.00	<5.00	9.70	<5.00	15.00
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	65.00	<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	10.00	<5.00	29.00
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

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: NNR
DATE COLLECTED: 08/09/01
DATE ANALYZED: 08/22/01
DATE REPORTED: 08/30/01

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Well #2	Well #4	Well #6	Well #7	Well #8
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 Metecrylate	<30.00	<30.00	<30.00	<30.00	<30.00
61. Naphthalene	<5.00	<5.00	<5.00	<5.00	<5.00
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

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: NNR
DATE COLLECTED: 08/09/01
DATE ANALYZED: 08/22/01
DATE REPORTED: 08/30/01

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	<5.00	<5.00
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	<5.00	<5.00
26. 4-Methyl-2-Pentanone	<50.00	<50.00
27. Toluene	<5.00	<5.00
28. trans-1,3-Dichloropropene	<5.00	<5.00
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	<5.00	<5.00
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

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: NNR
DATE COLLECTED: 08/09/01
DATE ANALYZED: 08/22/01
DATE REPORTED: 08/30/01

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 Metecrylate	<30.00	<30.00
61. Naphthalene	<5.00	<5.00
62. Propionitrile	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00
64. Acetonitrile	<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

CHAIN OF CUSTODY RECORD

CLIENT: 6043 **Week:** 33

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

(919) 689-2994

DISINFECTION
- ☐ CHLORINE
- ☐ UV
- ☐ NONE
- ☐ _____

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	8260 Dup. 1	8270C B\N	8270C Dup. 1	8260B App. II	8260 App. II 1	8260 App. II 2	8260 App. II 3				PARAMETERS
							L2				L2	L2	L2	L2	L2	L2	L2	L2				
						P	P	P	P		G	G	G	G	G	G	G	G				
						A	B	A	A		E	E	A	A	E	E	E	E				
Well #1	08 09 01	0940		18	4	G	G	G	G	G	G	G										
Well #2	08 09 01	0830		21	8	G	G	G	G	G			G	G	G	G	G	G				
Well #3	08 09 01	0920		20	4	G	G	G	G	G	G	G										
Well #4	08 09 01	1035		19	6	G	G	G	G	G			G	G	G	G						
Well #5	08 09 01	0855		21	4	G	G	G	G	G	G	G										
Well #6	08 09 01	1010		23	6	G	G	G	G	G			G	G	G	G						
Well #7	08 09 01	0810		20	6	G	G	G	G	G			G	G	G	G						
Well #8	08 09 01	1100		20	8	G	G	G	G	G			G	G	G	G	G	G				
Surface Water #1	08 09 01	0855		28	4	G	G	G	G		G	G										
Surface Water #2					4																	
Surface Water #3					4																	

CHLORINE NEUTRALIZED AT COLLECTION
pH CHECK (LAB)
CONTAINER TYPE, P/G
CHEMICAL PRESERVATION
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
- ☐ OTHER _____

SAMPLES COLLECTED BY: (Please Print) N Tagae Fot

SAMPLES RECEIVED IN LAB AT 4.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob N Tagae	08 09 01 1:00	Anetha Scalle	8-9-01 2:10 pm
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:
SW 2 SW3
Both DRY

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.

№ 53101

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

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

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	8260 Dup. 1	8270C BN	8270C Dup. 1	8260B App. II	8260 App. II 1	8260 App. II 2	8260 App. II 3			
CHLORINE NEUTRALIZED AT COLLECTION																					
pH CHECK (LAB)							<2						<2	<2	<2	<2					
CONTAINER TYPE, P/G						P	P	P	P		G	G	G	G	G	G	G	G			
CHEMICAL PRESERVATION						A	B	A	A		E	E	A	A	E	E	E	E			
PARAMETERS																					
Equipment Blank	09 01				5		G						G	G	G	G					
Trip Blank					2																

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
☐ OTHER _____

SAMPLES COLLECTED BY: (Please Print) [illegible]

SAMPLES RECEIVED IN LAB AT <4.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[illegible]	09 01 1:00	[illegible]	8-9-01 1:10
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.

№ 53100

FORM #5