9601Permit1998 - Batch No.___

9601 1998

WAYNE Co. 1998

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

NCDENR

JAMES B. HUNT JR.
GOVERNOR

WAYNE MCDEVITT
SECRETARY

WILLIAM L. MEYER
DIRECTOR

November 24, 1998

Mr. C. Nathan Nallainathan, P.E.
Municipal Engineering Services Company
P.O. Box 97
Garner, North Carolina 27529

RE: Revised Closure Schedule for Wayne County Landfill Permit No. 96-01.

Dear Mr. Nallainathan:

The Solid Waste Section has reviewed your letter dated 17 November 1998, requesting a final extension of time to close the above referenced landfill located in Dudley, North Carolina. The Solid Waste Section(the Section) approves of the proposed schedule that you have outlined in the above referenced letter and approves of the proposed schedule, with a completion date of 31 December 1998. If the landfill cap installation will not be completed by 31 December 1998; the Permitting Section will not grant any extensions beyond this date. In the interim, Wayne County should maintain the existing cap materials/interim cover and repair any erosion or damage done to the cap materials placed and interim cover. If necessary, temporary seeding or mulch shall be applied to landfill areas to minimze on-site erosion.

As a reminder, in accordance with Waste Management rules 15A NCAC 13B section .1627(c)(7) "following closure of each MSWLF unit, the owner or operator shall notify the Division that a certification, signed by the project engineer verifying that closure has been completed in accordance with the closure plan, has been placed in the operating record".

FAYETTEVILLE REGIONAL OFFICE
225 GREEN STREET, SUITE 601, FAYETTEVILLE, NC 28301-5043
PHONE 910-486-1191 FAX 910-486-1791
AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED/10% POST-CONSUMER PAPER

This notification can accompany the CQA document, that is submitted to the Section upon completion of the cell closure, with the stated date that the notice was placed in the operating record.

Should you have any questions concerning this letter, please contact this office at (919) 733-0692 Ext: 255 or Jim Barber at (910) 486-1191 Ext: 225.

James C Coffey

James C. Coffey, Supervisor
Permitting Branch
Solid Waste Section

cc: Terry Dover
Bobby Nelms
Jim Barber
Raleigh Central File: Permit 96-01 Wayne County Landfill

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

November 17, 1998

Mr. James Coffey
NC DENR
Division of Waste Management
Solid Waste Section
401 Oberlin Road, Suite 150
Raleigh, North Carolina 27605-1350
Phone: (919) 733-0652 (x255)
Fax: (919) 733-4810

Re: Time Extension for Landfill Closure
Wayne County Municipal Solid Waste Landfill Closure
Dudley, North Carolina
MESCO Project No. G98009.7

Dear Mr. Coffey:

We are writing on behalf of County of Wayne concerning the closure of their existing landfill in Dudley, North Carolina. The landfill stopped receiving waste on or before January 23, 1998. The landfill closure is being performed by ES&J Enterprises (ES&J). Due to delays encountered by ES&J in securing the cohesive cap material, we are requesting a time extension until December 31, 1998 to complete the landfill closure.

If you have questions or comments, please contact us at 919-772-5393.

Very truly yours,
MUNICIPAL ENGINEERING SERVICES COMPANY, P.A.

C. (Nathan) Nallainathan, P.E.

cc: Mr. Lloyd Cook, Wayne County Solid Waste Director
Jimmy Woodie/Wayne Sullivan, MESCO

Kris -
Note:
This is not an NOV violation, though it appears as such. It is to be entered as an extension on prior NOV.
-Phil

State of North Carolina
Department of Environment
and Natural Resources
Washington Regional Office

James B. Hunt, Jr., Governor
Wayne McDevitt, Secretary

Division of Waste Management
Solid Waste Section

NCDENR
NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

Mr. Will R. Sullivan, Manager
County of Wayne
Post Office Box 227
Goldsboro, North Carolina 27533

PO810
Extension of deadline

RE: ~~**Notice of Violation**~~
Wayne County Municipal Solid Waste Landfill
Permit # 96-01

Dear Mr. Sullivan:

On Tuesday, August 4, 1998, Mr. Terry Dover and I made a visit to the Wayne County Landfill, permit # 96-01. The purpose of the visit was to see if the items in the Notice of Violation issued on June 17, 1998 had been properly addressed.

While not all items had been corrected, there was enough progress that I feel that the compliance deadline can be extended. Based on that progress and the plans that Mr. Lloyd Cook told us about, I am extending the compliance date of the NOV to September 30, 1998.

Thank you for your cooperation in this matter. If you should have any questions or require my assistance in the future, please do not hesitate to call me at 252-946-6481 ext. 272.

Sincerely,
Chuck Boyette
Chuck Boyette
Waste Mamagement Specialist

cc: James C. Coffey
Phillip J. Prete
Terry Dover
Lloyd Cook

AUG 1998
Received
Solid Waste
Sect.

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

NCDENR

JAMES B. HUNT JR.
GOVERNOR

WAYNE MCDEVITT
SECRETARY

WILLIAM L. MEYER
DIRECTOR

July 8, 1998

Mr. C. Nathan Nallainathan, P.E.
Municipal Engineering Services Company
P.O. Box 97
Garner, North Carolina 27529

RE: Revised Closure Schedule for Wayne County Landfill Permit No. 96-01.

Dear Mr. Nallainathan:

The Solid Waste Section has reviewed your letter dated 10 June 1998, requesting an extension of time to close the above referenced landfill located in Dudley, North Carolina. The Solid Waste Section(the Section) approves of the proposed schedule that you have outlined in the above referenced letter and approves of the proposed schedule, with a completion date of 30 November 1998. If for reasons beyond the control of Wayne County or its closure contractor, items addressed in the 10 June 1998 letter can not be completed in the proposed time frame; the Section shall be notified with an explanation provided for the delay, along with a revised time line. In the interim, Wayne County should maintain the existing interim cover and repair any erosion or damage done to the interim cover. If necessary, temporary seeding or mulch shall be applied to landfill areas to minimze on-site erosion.

As a reminder, in accordance with Waste Management rules 15A NCAC 13B section .1627(c)(7) "following closure of each MSWLF unit, the owner or operator shall notify the Division that a certification, signed by the project engineer verifying that closure has been completed in accordance with the closure plan, has been placed in the operating record".

FAYETTEVILLE REGIONAL OFFICE
225 GREEN STREET, SUITE 601, FAYETTEVILLE, NC 28301-5043
PHONE 910-486-1191 FAX 910-486-1791
AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED/10% POST-CONSUMER PAPER

This notification can accompany the CQA document, that is submitted to the Section upon completion of the cell closure, with the stated date that the notice was placed in the operating record.

Should you have any questions concerning this letter, please contact this office at (919) 733-0692 Ext: 255 or Jim Barber at (910) 486-1191 Ext: 225.

James C Coffey

James C. Coffey, Supervisor
Permitting Branch
Solid Waste Section

cc: Terry Dover
Bobby Nelms
Jim Barber
Raleigh Central File: Permit 96-01 Wayne County Landfill

State of North Carolina
Department of Environment and Natural Resources
Washington Regional Office

James B. Hunt, Jr., Governor

Wayne McDevitt, Secretary

DIVISION OF LAND RESOURCES
LAND QUALITY SECTION
July 7, 1998

LETTER OF APPROVAL WITH MODIFICATIONS AND CONDITION

County of Wayne
ATTN.: Mr. Will R. Sullivan, Manager
Post Office Box 227
Goldsboro, North Carolina 27533

RE: Erosion and Sedimentation Control Plan
1998 ParkEast Improvements
US 70 - Wayne County
Drainage Basin: Neuse
Date Received: June 15, 1998
Responsible Party: County of Wayne

Dear Sir:

This office has completed its review of the erosion and sedimentation control plan for the referenced 75.0 acre disturbance. We have determined the submitted plan for: the installation of 3,500 LF of water sewer and street improvements; clearing, grubbing and seeding of 60 ac. of timberland (alternate bid), and construction of 9,700 LF of new drainage swales, if properly implemented, will meet the minimum requirements of the Act and hereby issue this LETTER OF APPROVAL WITH the following MODIFICATIONS and CONDITION.

1. A North Carolina Mining Permit will be required if the total area affected for the purpose of obtaining the "borrow" material is at least one acre. A revised erosion and sedimentation control plan will be required (from the project owner - County of Wayne) for any unpermitted borrow source of less than one acre. If the "borrow" source is unpermitted and a revised plan submitted, then a notarized letter from the property owner stating that: 1) all the material removed from his site is going to used on this project; 2) he is aware that if the total disturbed area (cleared and/or graded area around the excavation, stock/waste pile area, any roadway constructed or widen to provide access to the excavation, etc.) exceeds one acre a mining permit will be required; 3) he is aware that the penalty for mining without a permit can be up to $5,000 per day; and, 4) he agrees with the reclamation plan for the borrow source. Be advised that if a revised plan is submitted, the County of Wayne, not the contractor, will be held ultimately responsible for the operation and reclamation of the site.

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50% recycled/10% post-consumer paper

2. All new catch, yard, curb and drop inlets are to be provided with appropriate temporary inlet protection.

3. Either the new swales are to be stabilized prior to their being allowed to drain to the existing outlet ditches and the existing ditches filled or appropriate sediment control measures are to be provided at the discharge points of the new swales.

4. The land clearing debris must be disposed of at a site approved by the Division of Solid Waste Management.

CONDITION

For the duration of this project, a maximum of ten (10) acres may be affected and without a ground cover sufficient to restrain erosion at any given time.

In 1973, the Sedimentation Pollution Control Act (copy available upon request) was enacted. It established a performance oriented program requiring a project owner or developer to protect adjoining natural resources and properties, both during and after construction, from the effects of accelerated erosion. It is YOUR RESPONSIBILITY to understand and comply with the requirements of the Act.

In addition to any above listed modifications or conditions, the following also apply to the approved plan:

-- *an erosion and sedimentation control plan is only valid for 3 years following the date of initial approval, if no land-disturbing activity has been undertaken*;

-- *a copy of the latest approved soil erosion and control plan must be on file at the job site*;

-- *a buffer zone, sufficient to restrain visible sedimentation, must be provided and maintained between the land-disturbing activity and any adjacent property or watercourse*;

-- *new or affected slopes must be at an angle that can be retained by vegetative cover (including the temporary ditches along "Gateway Drive)*;

-- *barren **slopes must be provided** with **a ground cover** sufficient to restrain erosion **within 30 working days** of completion of any phase (rough or final) of grading (**RYE GRASS IS NOT** in the approved seeding specifications nor is it an **ACCEPTABLE** substitute for the providing of a ground cover)*;

-- *unless a temporary, manufactured, lining material has been specified, a clean straw mulch must be applied, at the minimum rate of 2 tons/acre, to all seeded areas. The mulch must cover at least 75% of the seeded area after it is either tacked, with an acceptable tacking material, or crimped in place*;

-- *in order to meet the intent of the Act, the scheduling of the land-disturbing activities is to be such that both the area of exposure and the time between the land disturbance and the providing of a ground is minimized;*

-- *a **permanent ground cover**, sufficient to restrain erosion, **must be provided** within the shorter of 30 working or 120 calendar days after completion of construction or development*; and,

-- *this approval and the financial responsibility/liability cited in it does not automatically transfer with a change in project ownership.*

Be advised that to ensure compliance with the approved plan and the program requirements, unannounced periodic inspections will be made. If the implemented plan is determined to be inadequate, this office may require that it be revised to comply with state law. Failure to comply with any part of the approved plan or with any requirements of this program, could result in the taking of appropriate legal action against the financially responsible party *(County of Wayne)*. One option is the assessing of a civil penalty of up to $500 per day for each day the site is out of compliance.

In recognizing the desirability of early coordination of sedimentation control, we believe it would be beneficial for you and your contractor to arrange a preconstruction conference to discuss the requirements of the approved erosion and sedimentation control plan. It would be appreciated if you would contact this office to advise Harry Bailey (252-946-6481, ext. 259) of the construction start-up date, contractor and an on-site contact person or, please, complete and return the attached Project Information sheet to the above named.

The land-disturbing activity described in this plan may require approval or permitting from other Federal, State or local agencies. These could include the U.S. Army Corps of Engineers under Article 404 jurisdiction, the Division of Water Quality - Surface Water Section under stormwater regulations (contact Bill Moore, 252-946-6481, ext. 264), county, city or town

agencies under other local ordinances, or other approvals that may be required. This approval does not supersede any other approval or permit.

Please be advised that a temporary rule to protect and maintain existing buffers along watercourses in the Neuse River Basin became effective on July 22, 1997. This rule is enforced by the Division of Water Quality (DWQ). Direct any questions about the applicability of this rule to your project to Mr. Jim Mulligan, Regional Water Quality Supervisor, Washington Regional Office, at (252) 946-6481.

Please be advised that all land-disturbing activities affecting 5 acres or more are required to have a NPDES permit. Enclosed is the Construction Activities General NPDES Permit - NCG010000 for this project. Contact the Division of Water Quality - Surface Water Section at (252) 946-6481 should you have any questions regarding the permit.

Sincerely,

Patrick H. McClain, P.E.
Assistant Regional Engineer

PHM:pm

Enclosures

cc: (w/o enc.)
Frank Tyndall Lewis, PE, McDavid Associates
Terry Dover, Division of Solid Waste Management (Raleigh)
Bob Nelms, Division of Solid Waste Management (Washington)

P0156 Phil Pate

State of North Carolina
Department of Environment
and Natural Resources
Washington Regional Office

James B. Hunt, Jr., Governor
Wayne McDevitt, Secretary

NCDENR
NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES

Division of Waste Management
Solid Waste Section

June 17, 1998

JUN 1998
Received
Solid Waste
Section

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Will R. Sullivan, Manager
County of Wayne
Post Office Box 227
Goldsboro, North Carolina 27533

RE: **Notice of Violation**
Wayne County Municipal Solid Waste Landfill
Permit # 96-01

Dear Mr. Sullivan:

Pursuant to N.C.G.S. 130A-22(a) and to 15A N.C. Admin. Code 13B, I conducted an inspection on June 9, 1998, of the Wayne County Municipal Solid Waste Landfill, Permit # 96-01, located off State Road 1129, southwest of Goldsboro, Wayne County, North Carolina. The inspection found the landfill to be in violation of certain requirements contained in the North Carolina Solid Waste Management Rules, codified at 15A N.C. Admin. Code 13B, specifically:

1. 15A N.C. Admin. Code 13B .1604 (b) (2) Permit Provisions requires that all disposal facilities shall conform to the specific conditions set forth in the permit.

   Facility Transition Plan Modification For Permit # 96-01 issued 12-30-97

   General Conditions:

   Cover Material Requirements

   a. Operational soil cover of at least six inches at least once per week

   Access and Safety

   I. Barrels shall not be disposed of unless they are empty and perforated sufficiency.

Erosion and Sedimentation Control

a. Adequate control measures shall be practiced to prevent silt from leaving the site.

b. Adequate control measures shall be practiced to prevent excessive on-site erosion.

Drainage Control and Water Protection Requirements

e. Leachate shall be contained on site or properly treated prior to discharge.

The Wayne County MSWLF is in violation of .1604 (b) (2) in that it did not conform to the above listed permit conditions.

The above violation are in reference to the C & D unit of Permit # 96-01, the following violations cover the unlined MSW unit of Permit 96-01, specifically:

1. 15A N.C. Admin. Code 13B .1626 (2) (a) requires that the owner or operator of all MSWLF units must cover disposed waste with six inches of earthen materials at the end of each operating day.

The Wayne County MSWLF is in violation of 15A N.C. Admin. Code 13B .1626 (2) (a) in that exposed waste had not been covered for many days.

2. 15A N.C. Admin. Code 13B .1626 (7) (a) requires that adequate sediment control measures shall be utilized to prevent silt from leaving the MSWLF facility.

The Wayne County MSWLF is in violation of 15A N.C. Admin. Code .13B .1626(7) (a) in that sediment is leaving the site.

3. 15A N.C. Admin. Code 13B .1626 (7) (b) requires that adequate sediment control measures shall be utilized to prevent on-site erosion.

The Wayne County MSWLF is in violation of 15A N.C. Admin. Code 13B .1626 (7) (b) in that on-site erosion is on the site.

4. 15A N.C. Admin. Code 13B .1626 (7)(c) requires that provisions for a vegetative cover sufficient to restrain erosion must be accomplished within 30 working days or 120 calender days upon completion of any phase of MSWLF development.

The Wayne County MSWLF is in violation of 15A N.C. Admin. Code 13B .1626 (7) (c) in that a vegetative ground cover has not been established sufficient to restrain erosion.

5. 15A N.C. Admin. Code .1626 (8) (b) requires that surface water not be impounded over or in waste.

The Wayne County MSWLF is in violation of 15A N.C. Admin. Code 13B .1626 (8) (b) in that surface water is impounded over waste.

6. 15A N.C. An. Code 13B .1626 (8) (d) requires that leachate shall be contained on site or properly treated prior to discharge.

The Wayne county MSWLF is in violation of 15A N.C. Admin.Code 13B .1626 (8) (d) in that leachate has flowed off site.

Based on the forgoing, Wayne County MSWLF, Permit # 96-01 is hereby ordered to take the following actions to correct all violations as stated in this Notice of Violation, and otherwise be in compliance with the North Carolina Solid Waste Management Rules, codified at 15A N.C. Admin. Code 13B:

By **July 20, 1998** comply with 15A N.C. Admin. Code 13B .1604 (b) (2) by conforming to all permit conditions.

By **July 20, 1998** comply with 15A N.C. Admin. Code 13B .1626 (2) (a) by covering all exposed waste.

By **July 20, 1998** comply with 15A N.C. Admin Code 13B .1626 (7) (a) by preventing silt from leaving the MSWLF site.

By **July 20, 1998** comply with 15A N.C. Admin. Code 13B .1626 (7) (b) by repairing and preventing on-site erosion.

By **July 20, 1998** comply with 15A N.C. Admin. Code 13B .1626 (7) (c) by establishing an adequate vegetative cover sufficient to restrain erosion.

By **July 20, 1998** comply with 15A N.C. Admin. Code 13B .1626 (8) (b) by filling in all low areas that are or have been impounding water with suitable soil.

By **July 20, 1998** comply with 15A N.C. Admin. Code 13B .1626 (8) (d) by stopping the off site flow of leachate.

Pursuant to N..G.S.130A-22(a) and 15A N.C. Admin. Code 13B Section .0701-.0707, an administrative penalty of up to $5,000.00 per day may be assessed for violations of the Solid Waste Law or Regulations.

If you should have any questions concerning this matter, please contact me at 919-946-6481, extension 272.

Sincerely

Chuck Boyette

Chuck Boyette
Waste Management Specialist

cc: Philip J. Prete
Terry Dover
James C. Coffey
Lloyd Cook

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

June 10, 1998

Mr. James Coffey
NC DENR
Division of Waste Management
Solid Waste Section
401 Oberlin Road, Suite 150
Raleigh, North Carolina 27605-1350
Phone: (919) 733-0652 (x255)
Fax: (919) 733-4810

Re: Time Extension for Landfill Closure
Wayne County Municipal Solid Waste Landfill Closure
Dudley, North Carolina
MESCO Project No. G98009.7

Dear Mr. Coffey:

We are writing on behalf of Wayne County concerning the closure of their existing landfill in Dudley, North Carolina. The landfill stopped receiving waste on or before January 23, 1998. The landfill closure is being bid presently by County of Wayne to retain a contractor to complete the closure work. Based on the anticipated schedule we have at this time, we are requesting a time extension until November 30, 1998 to complete the landfill closure.

If you have questions or comments, please contact us at 919-772-5393.

Very truly yours,
MUNICIPAL ENGINEERING SERVICES COMPANY, P.A.

C. Nallainathan

C. (Nathan) Nallainathan, P.E.

cc: Mr. Lloyd Cook, Wayne County Solid Waste Director
Jimmy Woodie/Wayne Sullivan, MESCO

Dexter

Wayne Co.
96-01

County of Wayne

STATE OF NORTH CAROLINA
Goldsboro
27533-0227

MAY 1998
Received
Waste Management Division

WILL R. SULLIVAN
COUNTY MANAGER

P. O. BOX 227
PHONE: (919) 731-1435
FAX: (919) 731-1446
comgr@mail.entrsft.com

April 30, 1998

COPY

William L. Meyer, Director
Division of Waste Management
Department of Environment and Natural Resources
P.O. Box 29603
Raleigh, North Carolina 27611-9603

Dear Mr. Meyer:

Enclosed is a check in the amount of $12,000 for the administrative penalty for the Wayne County landfill. This information was sent to our Finance department in a timely manner but we only received it in our office on this date.

Sincerely,

Will R. Sullivan

WRS/wj

COPY

Bill -
This check was given to Solid Waste Section for deposit

P0156

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

NCDENR

JAMES B. HUNT JR.
GOVERNOR

WAYNE MCDEVITT
SECRETARY

WILLIAM L. MEYER
DIRECTOR

March 3, 1998

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Lloyd Cook
Solid Waste Director
Wayne County
460-B Landfill Road
Dudley, N.C. 28333

NOTICE OF VIOLATION

RE: Water Quality Monitoring Requirements at the Wayne County Closed MSW Landfill **(Permit # 96-01)**

Dear Mr. Cook:

This is to notify you that the Wayne Landfill is in violation of water quality monitoring requirements. Title 15A N.C. Administrative Code 13B .1634(a) states that "assessment monitoring is required whenever a statistically significant increase over background has been detected for one or more of the constituents listed in Appendix I or whenever a violation of the North Carolina ground-water quality standards (15A NCAC 2L .0202) has occurred." Rule .1634(b) states that "within 90 days of triggering an assessment monitoring program, and **annually** thereafter, the owner or operator shall sample and analyze the ground water for **all** constituents identified in Appendix II of 40 CFR Part 258." Rule .1632(i) states that "the owner or operator shall determine whether or not there is a statistically significant increase over background values for each parameter or constituent in the particular ground-water monitoring program that applies to the MSWLF unit."

> The Wayne County Landfill is in violation of Title 15A N.C. Administrative Code 13B .1634(b) in that it has not sampled and analyzed the monitoring wells annually for all Appendix II constituents listed in 40 CFR Part 258.

The initial baseline sampling data identified Appendix I constituents with concentrations that exceeded North Carolina ground-water quality standards (15A NCAC 2L .0202). The landfill begun an assessment monitoring program by sampling and analyzing for the Appendix II list on July 18, 1995. However,

401 OBERLIN ROAD, SUITE 150, RALEIGH, NC 27605
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the only sampling event for the full Appendix II list of constituents. The monitoring wells were required to be sampled annually for the full Appendix II list of constituents.

In addition, Wayne County Landfill is in violation of 15A NCAC 13B .1632(i) in that a statistical analysis of monitoring data has not been submitted.

Rule .1632(i) requires submission of appropriate statistical analysis that demonstrates whether the contaminants detected are significantly elevated relative to background levels. A statistical analysis of the Appendix I baseline monitoring data and all subsequent monitoring data is required. To date Wayne County has not provided the Solid Waste Section with this information.

Based on the foregoing, Wayne County is hereby ordered to comply with 15A N.C. Administrative Code 13B .1634 (b), and .1632 (i) by taking the following actions within 60 days of receipt of this Notice:

* sample landfill monitoring wells and analyze for the Appendix II list of constituents;

* provide a statistical analysis of previous monitoring well analytical data.

Submit the reports as directed above to:

Mr. Larry Rose, Environmental Specialist
Solid Waste Section - Division of Waste Management
P.O. Box 29603
Raleigh, N. C. 27611-9603

Failure to perform the above actions within 60 days of receipt of this Notice may result in additional enforcement actions. Pursuant to N.C. General Statute 130A-22(a) and 15A N.C. Administrative Code 13B .0701 - .0707, an administrative penalty of up to $5000.00 per day may be assessed for violations of the Solid Waste Management Rules or Law.

Thank you for your prompt attention to this matter. If you have any questions, please call Mr. Larry Rose at (919) 733-0692 extension 257.

Sincerely,

Philip J. Prete, Head
Field Operations Branch

c: Dexter Matthews, Solid Waste Section Chief
Terry Dover, Eastern Area Supervisor
Bill Morris, Waste Management Specialist
Larry Rose, Environmental Specialist
Will Sullivan, Wayne County Manager

Municipal Services
Garner, N.C.

Engineering Company, P.A.
Boone, N.C.

Water Sampling and Analysis

Wayne County Sanitary Landfill
Dudley, North Carolina

February 11, 1998

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

April 29, 1998

Larry Rose
Solid Waste Section
401 Oberlin Road
Raleigh, NC 27605

Re: Wayne County Sampling
Project No. G97076.0

Dear Mr. Rose:

The Wayne County Sanitary Landfill was sampled on February 11, 1998 for Appendix I constituents and on March 12, 1998 for Appendix II constituents by Environment 1, Inc. of Greenville, North Carolina. Municipal Engineering Services Co., P.A. (MESCO) has completed the enclosed sampling report summary and potentiometric map with flow rate and direction for the February event. Statistical Analysis for the February event will be completed as soon as possible.

Chromium and Lead were detected in concentrations above North Carolina Groundwater Standards in monitoring wells MW-6 and MW-7. Lead was also above standards in monitoring well MW-2. No Appendix I volatile organic constituents were detected above standard.

Mercury was detected in monitoring wells MW-4 and MW-8 and during the March sampling event. Bis(2-ethylhexyl)phthalate was detected in monitoring wells MW-1 and MW-3. MESCO recommends that Wayne County begin baseline sampling for these two Appendix II constituents.

If you have any questions regarding this report please call us at 919-772-5393.

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

Richard R Allison
Geologist

cc: Lloyd Cook
Wayne County

Enclosure

Wayne County Sanitary Landfill

Table 1

HYDROLOGIC PROPERTIES AT MONITORING WELL LOCATIONS

Monitoring Well	Permeability (cm/sec)	Effective Porosity (%)	Change in Head/ Change in distance	Groundwater Flow Rate (ft/year)	Groundwater Flow Direction
1	5.40E-04	20.0%	0.012	34.6	N50W
2	3.00E-04	20.0%	0.012	18.8	N78W
3	6.40E-03	20.0%	0.019	631.5	N37W
4	9.90E-04	20.0%	0.004	22.2	N28W
5	3.10E-05	20.0%	0.020	3.2	N51W
6	1.60E-04	20.0%	0.015	12.2	N42W
7	7.30E-05	20.0%	0.012	4.4	S80W
8	3.40E-04	20.0%	0.005	8.9	N71W

Note: Data for permeability and effective porosity obtained from GAI Consultants Water Sampling Report (1994)
Other data obtained from the February 11, 1998 sampling event.

Sampling Results Summary

SCAN DEC.

96-01

3-12-98

WAYNE COUNTY: MONITORING WELL #1		9/8/94	10/20/94	1/5/95	3/23/95	NOT TESTED 7/18/95	2/20/96	8/29/96	2/4/97	8/27/97	2/11/98	3/12/98			
CONSTITUENT	NC GW STND (mg/L)	SAMPLE #1	SAMPLE #2	SAMPLE #3	SAMPLE #4	SAMPLE #5	SAMPLE #6	SAMPLE#7	SAMPLE #8	SAMPLE #9	SAMPLE #10	SAMPLE #11	STANDARD DEVIATION	MEAN	MEDIAN
(1) ANTIMONY	NE											NS			
(2) ARSENIC	0.05											NS			
(3) BARIUM	2.0											NS			
(4) BERYLLIUM	NE											NS			
(5) CADMIUM	0.0050											NS			
(6) CHROMIUM	0.050											NS			
(7) COBALT	NE											NS			
(8) COPPER	1.0											NS			
(9) LEAD	0.0150											NS			
(10) NICKEL	0.10											NS			
(11) SELENIUM	0.050											NS			
(12) SILVER	0.0180											NS			
(13) THALLIUM	NE											NS			
(14) VANADIUM	NE											NS			
(15) ZINC	2.10	0.2430	0.0820									NS	0.0805	0.1625	0.1625
	NC GW STND (µg/L)														
(16) ACETONE	700														
(17) ACRYLONITRILE	NE														
(18) BENZENE	1.0														
(19) BROMOCHLOROMETHANE	NE														
(20) BROMODICHLOROMETHANE	0.6000														
(21) BROMOFORM (TRIBROMOMRTHANE)	0.190														
(22) CARBON DISULFIDE	700														
(23) CARBON TETRACHLORIDE	0.30														
(24) CHLOROBENZENE	50														
(25) CHLOROETHANE (ETHYL CHLORIDE)	NE														
(26) CHLOROFORM (TRICHLOROMETHANE)	0.190														
(27) CHLORODIBROMOMETHANE (DIBROMOCHLOROMETHANE)	NE														
(28) DBCP (1,2-DIBROMO-3-CHLOROPROPANE)	0.0250														
(29) ETHYLENE DIBROMIDE (1,2-DIBROMOETHANE)	0.0004														
(30) O-DICHLOROBENZENE (1,2-DICHLOROBENZENE)	620														
(31) P-DICHLOROBENZENE (1,4-DICHLOROBENZENE)	75														
(32) T-1,4-DICHLORO-2-BUTENE	NE														
(33) 1,1-DICHLOROETHANE (ETHYLIDENE CHLORIDE)	700														
(34) ETHYLENE DICHLORIDE (1,2-DICHLOROETHANE)	0.380														
(35) VINYLIDENE CHLORIDE (1,1-DICHLOROETHENE) (ETHYLENE)	7														
(36) CIS-1,2-DICHLOROETHENE (CIS-1,2-DICHLOROETHYLENE)	70														
(37) T-1,2-DICHLOROETHENE (TRANS-1,2-DICHLOROETHYLENE)	70														
(38) PROPYLENE DICHLORIDE (1,2-DICHLOROPROPANE)	0.560														
(39) CIS-1,3-DICHLOROPROPENE	0.2000														
(40) T-1,3-DICHLOROPROPENE	0.2000														
(41) ETHYLBENZENE	29														
(42) METHYL BUTYL KETONE (2-HEXANONE)	NE														
(43) METHYL BROMIDE (BROMOMETHANE)	NE														
(44) METHYL CHLORIDE (CHLOROMETHANE)	NE														
(45) METHYLENE BROMIDE (DIBROMOMETHANE)	NE														
(46) METHYLENE CHLORIDE (DICHLOROMETHANE)	5														
(47) MEK: 2-BUTANE (METHYL ETHYL KETONE)	170														
(48) METHYL IODIDE (IODOMETHANE)	NE														
(49) METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NE														
(50) STYRENE	100														
(51) 1,1,1,2-TETRACHLOROETHANE	NE														
(52) 1,1,2,2-TETRACHLOROETHANE	NE														
(53) TETRACHLOROETHYLENE (TETRACHLOROETHENE) (PERCHLOROETHYLENE	0.70														
(54) TOLUENE	1000														
(55) 1,1,1-TRICHLOROETHANE (METHYLCHLOROFORM)	200														
(56) 1,1,2 TRICHLOROETHANE	NE														
(57) TRICHLOROETHYLENE (TRICHLOROETHENE)	2.80														
(58) CFC-11 (TRICHLOROFLUOROMETHANE)	2100														
(59) 1,2,3-TRICHLOROPROPANE	NE														
(60) VINYL ACETATE	NE														
(61) VINYL CHLORIDE	0.0150														
(62) XYLENES	530														

WAYNE COUNTY LANDFILL MONITORING WELL #1					
		SAMPLE #1			
CONSTITUENT	NC GW STND (mg/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Cyanide, Total					
Sulfide					
Mercury					
Tin					
	NC GW STND (ug/L)				
Acetonitrile					
Acrlein					
Allyl chloride					
Bromobenzene					
2-Butanone					
n-Butylbenzene					
sec-Butylbenzene					
tert-Butylbenzene					
2-Chlorotoluene					
4-Chlorotoluene					
Chloroprene					
1,2-Dibromo-3-chloropropane					
1,3-Dichlorobenzene					
1,3-Dicholoropropane					
2,2-Dicholoropropane					
1,1-Dichloropropene					
Dichlorodifluoromethane					
Diisopropyl ether (DIPE)					
Ethyl methacrylate					
Hexachlorobutadiene					
Isobutanol					
Isopropylbenzene					
4-Isopropyltoluene					
Methacrylonitrile					
Methyl methacrylate					
Methyl-tert-butyl ether (MTBE)					
Naphthalene					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

MW-1 Herb-Pest

WAYNE COUNTY MONITORING WELL #1					
		SAMPLE #1			
HERBICIDES	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
2,4-D					
Silvex					
2,4,5-T					
Dinoseb					
PESTICIDES AND PCBS					
alpha-BHC					
beta-BHC					
gamma-BHC (Lindane)					
Delta-BHC					
Heptachlor					
Aldrin					
Heptachlor epoxide					
Endosulfan I					
Dieldrin					
Endrin					
4,4-DDD					
Endosulfan II					
4,4-DDT					
4,4-DDE					
Endrin aldehyde					
Endosulfan sulfate					
Methoxychlor					
Toxaphene					
Chlordane (tech)					
Aroclor-1221					
Aroclor-1232					
Aroclor-1242					
Aroclor-1248					
Aroclor-1254					
Aroclor-1260					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

WAYNE COUNTY: MONITORING WELL #1					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Acenaphthene					
Acenaphthylene					
Acetophenone					
2-Acetylaminofluorene					
4-Aminobiphenyl					
Anthracene					
Benzo[a]anthracene					
Benzo[a]pyrene					
Benzo[b]fluoranthene					
Benzo[g,h,i]perylene					
Benzo[k]fluoranthene					
Benzyl Alcohol					
Bis(2-chloro-1-methylethyl)ether					
Bis(2-chloroethoxy)methane					
Bis(2-chloroethyl)ether					
Bis(2-ethylhexyl)phthalate		34.0000			
4-Bromophenyl phenyl ether					
Butylbenzylphthalate					
4-Chloroaniline					
Chlorobenzilate					
4-Chloro-3-methylphenol					
2-Chloronaphthalene					
2-Chlorophenol					
4-Chlorophenyl phenyl ether					
Chrysene					
Diallate					
Dibenzo[a,h]anthracene					
Dibenzofuran					
Di-n-butyphthalate					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
3,3'-Dichlorobenzidine					
2,4-Dichlorophenol					
2,6-Dichlorophenol					
Diethylphtalate					
Dimethoate					
p-Dimethylaminoazobenzene					
7,12-Dimethylbenz[a]anthracene					
3,3'-Dimethylbenzidine					
2,4-Dimethylphenol					
Dimethylphthalate					
m-Dinitrobenzene					
4,6-Dinitro-2-methylphenol					
2,4-Dinitrophenol					
2,4-Dinitrotoluene					
2,6-Dinitrotoluene					
Dinoseb					
Di-n-octylphthalate					
Diphenylamine					
Disulfoton					
Ethylmethanesulfonate					
Famphur					
Fluoranthene					
Fluorene					
Hexachlorobenzene					
Hexachlorobutadiene					

WAYNE COUNTY: MONITORING WELL #1					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Hexachloropentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-c,d)pyrene					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Methapyrilene					
Methyl parathion					
3-Methylcholanthrene					
Methylmethanesulfonate					
2-Methylnaphthalene					
2-Methylphenol					
3&4-Methylphenol					
Napthalene					
1,4-Naphthoquinone					
1-Naphthylamine					
2-Naphtylamine					
5-Nitro-o-toluidine					
2-Nitroaniline					
3-Nitroaniline					
4-Nitroaniline					
Nitrobenzene					
2-Nitrophenol					
4-Nitrophenol					
N-Nitroso-di-n-butylamine					
N-nitrosodi-n-propylamine					
N-Nitrosodiethylamine					
N-Nitrosodimethylamine					
N-Nitrosodiphenylamine					
N-Nitrosomethylethylamine					
N-Nitrosopiperidine					
N-Nitrosopyrrolidine					
Parathion					
Pentachflorobenzene					
Pentachloronitrobenzene					
Pentachlorophenol					
Phenacetin					
Phenanthrene					
Phenol					
p-Phenylenediamine					
Phorate					
Pronamide					
Pyrene					
Safrole					
1,2,4,5-Tetrachlorobenzene					
2,3,4,6-Tetrachlorophenol					
Thionazin					
o-Toluidine					
2,4,5-Tricholorphenol					
2,4,6-Trichlorophenol					
0.0.0-Triethylphosphorothioate					
sym-Trinitrobenzene					

JEAN DOE

Monitoring well # 4

96-61

WAYNE COUNTY: MONITORING WELL #2																		
		9/8/94	10/20/94	1/5/95	3/23/95	7/18/95	2/20/96	8/29/96	2/4/97	8/27/97	2/11/98	3/12/98						
CONSTITUENT	NC GW STND (mg/L)	SAMPLE #1	SAMPLE #2	SAMPLE #3	SAMPLE #4	SAMPLE #5	SAMPLE #6	SAMPLE#7	SAMPLE #8	SAMPLE #9	SAMPLE #10	SAMPLE #11	STANDARD DEVIATION	MEAN	MEDIAN			
(1) ANTIMONY	NE											NS						
(2) ARSENIC	0.05										0.0110	NS						
(3) BARIUM	2.0											NS						
(4) BERYLLIUM	NE											NS						
(5) CADMIUM	0.0050											NS						
(6) CHROMIUM	0.050						0.0100	0.0100		0.0140		NS	0.0019	0.0113	0.0100			
(7) COBALT	NE											NS						
(8) COPPER	1.0											NS						
(9) LEAD	0.0150							0.0120		0.0700	0.0160	NS	0.0264	0.0327	0.0160			
(10) NICKEL	0.10											NS						
(11) SELENIUM	0.050											NS						
(12) SILVER	0.0180											NS						
(13) THALLIUM	NE											NS						
(14) VANADIUM	NE									0.0530		NS	0.0000	0.0530	0.0530			
(15) ZINC	2.10											NS						
	NC GW STND (µg/L)																	
(16) ACETONE	700																	
(17) ACRYLONITRILE	NE																	
(18) BENZENE	1.0					5.0000							0.0000	5.0000	5.0000			
(19) BROMOCHLOROMETHANE	NE																	
(20) BROMODICHLOROMETHANE	0.6000																	
(21) BROMOFORM (TRIBROMOMRTHANE)	0.190																	
(22) CARBON DISULFIDE	700																	
(23) CARBON TETRACHLORIDE	0.30																	
(24) CHLOROBENZENE	50			22.0000	22.0000	32.0000			24.0000		25.0000	28.0000	3.5473	25.5000	24.5000			
(25) CHLOROETHANE (ETHYL CHLORIDE)	NE																	
(26) CHLOROFORM (TRICHLOROMETHANE)	0.190																	
(27) CHLORODIBROMOMETHANE (DIBROMOCHLOROMETHANE)	NE																	
(28) DBCP (1,2-DIBROMO-3-CHLOROPROPANE)	0.0250																	
(29) ETHYLENE DIBROMIDE (1,2-DIBROMOETHANE)	0.0004																	
(30) O-DICHLOROBENZENE (1,2-DICHLOROBENZENE)	620																	
(31) P-DICHLOROBENZENE (1,4-DICHLOROBENZENE)	75				8.0000	7.0000							0.5000	7.5000	7.5000			
(32) T-1,4-DICHLORO-2-BUTENE	NE																	
(33) 1,1-DICHLOROETHANE (ETHYLIDENE CHLORIDE)	700											5.5000						
(34) ETHYLENE DICHLORIDE (1,2-DICHLOROETHANE)	0.360																	
(35) VINYLIDENE CHLORIDE (1,1-DICHLOROETHENE) (ETHYLENE)	7																	
(36) CIS-1,2-DICHLOROETHENE (CIS-1,2-DICHLOROETHYLENE)	70																	
(37) T-1,2-DICHLOROETHENE (TRANS-1,2-DICHLOROETHYLENE)	70																	
(38) PROPYLENE DICHLORIDE (1,2-DICHLOROPROPANE)	0.560																	
(39) CIS-1,3-DICHLOROPROPENE	0.2000																	
(40) T-1,3-DICHLOROPROPENE	0.2000																	
(41) ETHYLBENZENE	29																	
(42) METHYL BUTYL KETONE (2-HEXANONE)	NE																	
(43) METHYL BROMIDE (BROMOMETHANE)	NE																	
(44) METHYL CHLORIDE (CHLOROMETHANE)	NE																	
(45) METHYLENE BROMIDE (DIBROMOMETHANE)	NE																	
(46) METHYLENE CHLORIDE (DICHLOROMETHANE)	5																	
(47) MEK: 2-BUTANE (METHYL ETHYL KETONE)	170																	
(48) METHYL IODIDE (IODOMETHANE)	NE																	
(49) METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NE																	
(50) STYRENE	100																	
(51) 1,1,1,2-TETRACHLOROETHANE	NE																	
(52) 1,1,2,2-TETRACHLOROETHANE	NE																	
(53) TETRACHLOROETHYLENE (TETRACHLOROETHENE) (PERCHLOROETHYLEN	0.70																	
(54) TOLUENE	1000																	
(55) 1,1,1-TRICHLOROETHANE (METHYLCHLOROFORM)	200																	
(56) 1,1,2 TRICHLOROETHANE	NE																	
(57) TRICHLOROETHYLENE (TRICHLOROETHENE)	2.80																	
(58) CFC-11 (TRICHLOROFLUOROMETHANE)	2100																	
(59) 1,2,3-TRICHLOROPROPANE	NE																	
(60) VINYL ACETATE	NE																	
(61) VINYL CHLORIDE	0.0150																	
(62) XYLENES	530																	

WAYNE COUNTY LANDFILL MONITORING WELL #2					
		SAMPLE #1			
CONSTITUENT	NC GW STND (mg/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Cyanide, Total					
Sulfide					
Mercury					
Tin					
	NC GW STND (ug/L)				
Acetonitrile					
Acrlein					
Allyl chloride					
Bromobenzene					
2-Butanone					
n-Butylbenzene					
sec-Butylbenzene					
tert-Butylbenzene					
2-Chlorotoluene					
4-Chlorotoluene					
Chloroprene					
1,2-Dibromo-3-chloropropane					
1,3-Dichlorobenzene					
1,3-Dicholoropropane					
2,2-Dicholoropropane					
1,1-Dichloropropene					
Dichlorodifluoromethane					
Diisopropyl ether (DIPE)					
Ethyl methacrylate					
Hexachlorobutadiene					
Isobutanol					
Isopropylbenzene					
4-Isopropyltoluene					
Methacrylonitrile					
Methyl methacrylate					
Methyl-tert-butyl ether (MTBE)					
Naphthalene					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

MW-2 Herb-Pest

WAYNE COUNTY MONITORING WELL #2					
		SAMPLE #1			
HERBICIDES	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
2,4-D					
Silvex					
2,4,5-T					
Dinoseb					
PESTICIDES AND PCBS					
alpha-BHC					
beta-BHC					
gamma-BHC (Lindane)					
Delta-BHC					
Heptachlor					
Aldrin					
Heptachlor epoxide					
Endosulfan I					
Dieldrin					
Endrin					
4,4-DDD					
Endosulfan II					
4,4-DDT					
4,4-DDE					
Endrin aldehyde					
Endosulfan sulfate					
Methoxychlor					
Toxaphene					
Chlordane (tech)					
Aroclor-1221					
Aroclor-1232					
Aroclor-1242					
Aroclor-1248					
Aroclor-1254					
Aroclor-1260					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

WAYNE COUNTY: MONITORING WELL #2					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Acenaphthene					
Acenaphthylene					
Acetophenone					
2-Acetylaminofluorene					
4-Aminobiphenyl					
Anthracene					
Benzo[a]anthracene					
Benzo[a]pyrene					
Benzo[b]fluoranthene					
Benzo[g,h,i]perylene					
Benzo[k]fluoranthene					
Benzyl Alcohol					
Bis(2-chloro-1-methylethyl)ether					
Bis(2-chloroethoxy)methane					
Bis(2-chloroethyl)ether					
Bis(2-ethylhexyl)phthalate					
4-Bromophenyl phenyl ether					
Butylbenzylphthalate					
4-Chloroaniline					
Chlorobenzilate					
4-Chloro-3-methylphenol					
2-Chloronaphthalene					
2-Chlorophenol					
4-Chlorophenyl phenyl ether					
Chrysene					
Diallate					
Dibenzo[a,h]anthracene					
Dibenzofuran					
Di-n-butyphthalate					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
3,3'-Dichlorobenzidine					
2,4-Dichlorophenol					
2,6-Dichlorophenol					
Diethylphtalate					
Dimethoate					
p-Dimethylaminoazobenzene					
7,12-Dimethylbenz[a]anthracene					
3,3'-Dimethylbenzidine					
2,4-Dimethylphenol					
Dimethylphthalate					
m-Dinitrobenzene					
4,6-Dinitro-2-methylphenol					
2,4-Dinitrophenol					
2,4-Dinitrotoluene					
2,6-Dinitrotoluene					
Dinoseb					
Di-n-octylphthalate					
Diphenylamine					
Disulfoton					
Ethylmethanesulfonate					
Famphur					
Fluoranthene					
Fluorene					
Hexachlorobenzene					
Hexachlorobutadiene					

WAYNE COUNTY: MONITORING WELL #2					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Hexachloropentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-c,d)pyrene					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Methapyrilene					
Methyl parathion					
3-Methylcholanthrene					
Methylmethanesulfonate					
2-Methylnaphthalene					
2-Methylphenol					
3&4-Methylphenol					
Napthalene					
1,4-Naphthoquinone					
1-Naphthylamine					
2-Naphtylamine					
5-Nitro-o-toluidine					
2-Nitroaniline					
3-Nitroaniline					
4-Nitroaniline					
Nitrobenzene					
2-Nitrophenol					
4-Nitrophenol					
N-Nitroso-di-n-butylamine					
N-nitrosodi-n-propylamine					
N-Nitrosodiethylamine					
N-Nitrosodimethylamine					
N-Nitrosodiphenylamine					
N-Nitrosomethylethylamine					
N-Nitrosopiperidine					
N-Nitrosopyrrolidine					
Parathion					
Pentachflorobenzene					
Pentachloronitrobenzene					
Pentachlorophenol					
Phenacetin					
Phenanthrene					
Phenol					
p-Phenylenediamine					
Phorate					
Pronamide					
Pyrene					
Safrole					
1,2,4,5-Tetrachlorobenzene					
2,3,4,6-Tetrachlorophenol					
Thionazin					
o-Toluidine					
2,4,5-Tricholorphenol					
2,4,6-Trichlorophenol					
0.0.0-Triethylphosphorothioate					
sym-Trinitrobenzene					

SCAN DOC

Monitoring well #3

96-01

WAYNE COUNTY: MONITORING WELL #3

CONSTITUENT	NC GW STND (mg/L)	9/8/94 SAMPLE #1	10/20/94 SAMPLE #2	1/5/95 SAMPLE #3	3/23/95 SAMPLE #4	7/18/95 SAMPLE #5	2/20/96 SAMPLE #6	8/29/96 SAMPLE#7	2/4/97 SAMPLE #8	8/27/97 SAMPLE #9	2/11/98 SAMPLE #10	3/12/98 SAMPLE #11	STANDARD DEVIATION	MEAN	MEDIAN
(1) ANTIMONY	NE											NS			
(2) ARSENIC	0.05											NS			
(3) BARIUM	2.0											NS			
(4) BERYLLIUM	NE											NS			
(5) CADMIUM	0.0050					0.0020						NS	0.0000	0.0020	0.0020
(6) CHROMIUM	0.050							0.0120	0.0130		0.0180	NS	0.0026	0.0143	0.0130
(7) COBALT	NE											NS			
(8) COPPER	1.0											NS			
(9) LEAD	0.0150								0.0180			NS	0.0000	0.0180	0.0180
(10) NICKEL	0.10											NS			
(11) SELENIUM	0.050											NS			
(12) SILVER	0.0180											NS			
(13) THALLIUM	NE											NS			
(14) VANADIUM	NE											NS			
(15) ZINC	2.10											NS			
	NC GW STND (µg/L)														
(16) ACETONE	700														
(17) ACRYLONITRILE	NE														
(18) BENZENE	1.0														
(19) BROMOCHLOROMETHANE	NE														
(20) BROMODICHLOROMETHANE	0.6000														
(21) BROMOFORM (TRIBROMOMRTHANE)	0.190														
(22) CARBON DISULFIDE	700														
(23) CARBON TETRACHLORIDE	0.30														
(24) CHLOROBENZENE	50														
(25) CHLOROETHANE (ETHYL CHLORIDE)	NE														
(26) CHLOROFORM (TRICHLOROMETHANE)	0.190														
(27) CHLORODIBROMOMETHANE (DIBROMOCHLOROMETHANE)	NE														
(28) DBCP (1,2-DIBROMO-3-CHLOROPROPANE)	0.0250														
(29) ETHYLENE DIBROMIDE (1,2-DIBROMOETHANE)	0.0004														
(30) O-DICHLOROBENZENE (1,2-DICHLOROBENZENE)	620														
(31) P-DICHLOROBENZENE (1,4-DICHLOROBENZENE)	75														
(32) T-1,4-DICHLORO-2-BUTENE	NE														
(33) 1,1-DICHLOROETHANE (ETHYLIDENE CHLORIDE)	700														
(34) ETHYLENE DICHLORIDE (1,2-DICHLOROETHANE)	0.380														
(35) VINYLIDENE CHLORIDE (1,1-DICHLOROETHENE) (ETHYLENE)	7														
(36) CIS-1,2-DICHLOROETHENE (CIS-1,2-DICHLOROETHYLENE)	70														
(37) T-1,2-DICHLOROETHENE (TRANS-1,2-DICHLOROETHYLENE)	70														
(38) PROPYLENE DICHLORIDE (1,2-DICHLOROPROPANE)	0.560														
(39) CIS-1,3-DICHLOROPROPENE	0.2000														
(40) T-1,3-DICHLOROPROPENE	0.2000														
(41) ETHYLBENZENE	29														
(42) METHYL BUTYL KETONE (2-HEXANONE)	NE														
(43) METHYL BROMIDE (BROMOMETHANE)	NE														
(44) METHYL CHLORIDE (CHLOROMETHANE)	NE														
(45) METHYLENE BROMIDE (DIBROMOMETHANE)	NE														
(46) METHYLENE CHLORIDE (DICHLOROMETHANE)	5														
(47) MEK: 2-BUTANE (METHYL ETHYL KETONE)	170														
(48) METHYL IODIDE (IODOMETHANE)	NE														
(49) METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NE														
(50) STYRENE	100														
(51) 1,1,1,2-TETRACHLOROETHANE	NE														
(52) 1,1,2,2-TETRACHLOROETHANE	NE														
(53) TETRACHLOROETHYLENE (TETRACHLOROETHENE) (PERCHLOROETHYLEN	0.70														
(54) TOLUENE	1000														
(55) 1,1,1-TRICHLOROETHANE (METHYLCHLOROFORM)	200														
(56) 1,1,2 TRICHLOROETHANE	NE														
(57) TRICHLOROETHYLENE (TRICHLOROETHENE)	2.80														
(58) CFC-11 (TRICHLOROFLUOROMETHANE)	2100														
(59) 1,2,3-TRICHLOROPROPANE	NE														
(60) VINYL ACETATE	NE														
(61) VINYL CHLORIDE	0.0150														
(62) XYLENES	530														

WAYNE COUNTY LANDFILL MONITORING WELL #3					
		SAMPLE #1			
CONSTITUENT	NC GW STND (mg/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Cyanide, Total					
Sulfide					
Mercury					
Tin					
	NC GW STND (ug/L)				
Acetonitrile					
Acrlein					
Allyl chloride					
Bromobenzene					
2-Butanone					
n-Butylbenzene					
sec-Butylbenzene					
tert-Butylbenzene					
2-Chlorotoluene					
4-Chlorotoluene					
Chloroprene					
1,2-Dibromo-3-chloropropane					
1,3-Dichlorobenzene					
1,3-Dicholoropropane					
2,2-Dicholoropropane					
1,1-Dichloropropene					
Dichlorodifluoromethane					
Diisopropyl ether (DIPE)					
Ethyl methacrylate					
Hexachlorobutadiene					
Isobutanol					
Isopropylbenzene					
4-Isopropyltoluene					
Methacrylonitrile					
Methyl methacrylate					
Methyl-tert-butyl ether (MTBE)					
Naphthalene					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

MW-3 Herb-Pest

WAYNE COUNTY MONITORING WELL #3					
		SAMPLE #1			
HERBICIDES	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
2,4-D					
Silvex					
2,4,5-T					
Dinoseb					
PESTICIDES AND PCBS					
alpha-BHC					
beta-BHC					
gamma-BHC (Lindane)					
Delta-BHC					
Heptachlor					
Aldrin					
Heptachlor epoxide					
Endosulfan I					
Dieldrin					
Endrin					
4,4-DDD					
Endosulfan II					
4,4-DDT					
4,4-DDE					
Endrin aldehyde					
Endosulfan sulfate					
Methoxychlor					
Toxaphene					
Chlordane (tech)					
Aroclor-1221					
Aroclor-1232					
Aroclor-1242					
Aroclor-1248					
Aroclor-1254					
Aroclor-1260					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

WAYNE COUNTY: MONITORING WELL #3					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Acenaphthene					
Acenaphthylene					
Acetophenone					
2-Acetylaminofluorene					
4-Aminobiphenyl					
Anthracene					
Benzo[a]anthracene					
Benzo[a]pyrene					
Benzo[b]fluoranthene					
Benzo[g,h,i]perylene					
Benzo[k]fluoranthene					
Benzyl Alcohol					
Bis(2-chloro-1-methylethyl)ether					
Bis(2-chloroethoxy)methane					
Bis(2-chloroethyl)ether					
Bis(2-ethylhexyl)phthalate		33.0000			
4-Bromophenyl phenyl ether					
Butylbenzylphthalate					
4-Chloroaniline					
Chlorobenzilate					
4-Chloro-3-methylphenol					
2-Chloronaphthalene					
2-Chlorophenol					
4-Chlorophenyl phenyl ether					
Chrysene					
Diallate					
Dibenzo[a,h]anthracene					
Dibenzofuran					
Di-n-butyphthalate					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
3,3'-Dichlorobenzidine					
2,4-Dichlorophenol					
2,6-Dichlorophenol					
Diethylphtalate					
Dimethoate					
p-Dimethylaminoazobenzene					
7,12-Dimethylbenz[a]anthracene					
3,3'-Dimethylbenzidine					
2,4-Dimethylphenol					
Dimethylphthalate					
m-Dinitrobenzene					
4,6-Dinitro-2-methylphenol					
2,4-Dinitrophenol					
2,4-Dinitrotoluene					
2,6-Dinitrotoluene					
Dinoseb					
Di-n-octylphthalate					
Diphenylamine					
Disulfoton					
Ethylmethanesulfonate					
Famphur					
Fluoranthene					
Fluorene					
Hexachlorobenzene					
Hexachlorobutadiene					

WAYNE COUNTY: MONITORING WELL #3					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Hexachloropentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-c,d)pyrene					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Methapyrilene					
Methyl parathion					
3-Methylcholanthrene					
Methylmethanesulfonate					
2-Methylnaphthalene					
2-Methylphenol					
3&4-Methylphenol					
Napthalene					
1,4-Naphthoquinone					
1-Naphthylamine					
2-Naphtylamine					
5-Nitro-o-toluidine					
2-Nitroaniline					
3-Nitroaniline					
4-Nitroaniline					
Nitrobenzene					
2-Nitrophenol					
4-Nitrophenol					
N-Nitroso-di-n-butylamine					
N-nitrosodi-n-propylamine					
N-Nitrosodiethylamine					
N-Nitrosodimethylamine					
N-Nitrosodiphenylamine					
N-Nitrosomethylethylamine					
N-Nitrosopiperidine					
N-Nitrosopyrrolidine					
Parathion					
Pentachflorobenzene					
Pentachloronitrobenzene					
Pentachlorophenol					
Phenacetin					
Phenanthrene					
Phenol					
p-Phenylenediamine					
Phorate					
Pronamide					
Pyrene					
Safrole					
1,2,4,5-Tetrachlorobenzene					
2,3,4,6-Tetrachlorophenol					
Thionazin					
o-Toluidine					
2,4,5-Tricholorphenol					
2,4,6-Trichlorophenol					
0.0.0-Triethylphosphorothioate					
sym-Trinitrobenzene					

Scan Doc.

Ending Deal #4

WAYNE COUNTY: MONITORING WELL #4

CONSTITUENT	NC GW STND (mg/L)	9/8/94 SAMPLE #1	10/20/94 SAMPLE #2	1/5/95 SAMPLE #3	3/23/95 SAMPLE #4	7/18/95 SAMPLE #5	2/20/96 SAMPLE #6	8/29/96 SAMPLE#7	2/4/97 SAMPLE #8	8/27/97 SAMPLE #9	2/11/98 SAMPLE #10	3/12/98 SAMPLE #11	STANDARD DEVIATION	MEAN	MEDIAN
(1) ANTIMONY	NE											NS			
(2) ARSENIC	0.05											NS			
(3) BARIUM	2.0											NS			
(4) BERYLLIUM	NE											NS			
(5) CADMIUM	0.0050											NS			
(6) CHROMIUM	0.050											NS			
(7) COBALT	NE								0.0100			NS	0.0000	0.0100	0.0050
(8) COPPER	1.0											NS			
(9) LEAD	0.0150											NS			
(10) NICKEL	0.10											NS			
(11) SELENIUM	0.050											NS			
(12) SILVER	0.0180											NS			
(13) THALLIUM	NE											NS			
(14) VANADIUM	NE											NS			
(15) ZINC	2.10	0.4180										NS	0.0000	0.4180	0.0000
	NC GW STND (µg/L)														
(16) ACETONE	700														
(17) ACRYLONITRILE	NE														
(18) BENZENE	1.0														
(19) BROMOCHLOROMETHANE	NE														
(20) BROMODICHLOROMETHANE	0.6000														
(21) BROMOFORM (TRIBROMOMRTHANE)	0.190														
(22) CARBON DISULFIDE	700														
(23) CARBON TETRACHLORIDE	0.30														
(24) CHLOROBENZENE	50														
(25) CHLOROETHANE (ETHYL CHLORIDE)	NE														
(26) CHLOROFORM (TRICHLOROMETHANE)	0.190														
(27) CHLORODIBROMOMETHANE (DIBROMOCHLOROMETHANE)	NE														
(28) DBCP (1,2-DIBROMO-3-CHLOROPROPANE)	0.0250														
(29) ETHYLENE DIBROMIDE (1,2-DIBROMOETHANE)	0.0004														
(30) O-DICHLOROBENZENE (1,2-DICHLOROBENZENE)	620														
(31) P-DICHLOROBENZENE (1,4-DICHLOROBENZENE)	75														
(32) T-1,4-DICHLORO-2-BUTENE	NE														
(33) 1,1-DICHLOROETHANE (ETHYLIDENE CHLORIDE)	700			6.0000		5.0000									
(34) ETHYLENE DICHLORIDE (1,2-DICHLOROETHANE)	0.380														
(35) VINYLIDENE CHLORIDE (1,1-DICHLOROETHENE) (ETHYLENE)	7														
(36) CIS-1,2-DICHLOROETHENE (CIS-1,2-DICHLOROETHYLENE)	70														
(37) T-1,2-DICHLOROETHENE (TRANS-1,2-DICHLOROETHYLENE)	70														
(38) PROPYLENE DICHLORIDE (1,2-DICHLOROPROPANE)	0.560														
(39) CIS-1,3-DICHLOROPROPENE	0.2000														
(40) T-1,3-DICHLOROPROPENE	0.2000														
(41) ETHYLBENZENE	29														
(42) METHYL BUTYL KETONE (2-HEXANONE)	NE														
(43) METHYL BROMIDE (BROMOMETHANE)	NE														
(44) METHYL CHLORIDE (CHLOROMETHANE)	NE														
(45) METHYLENE BROMIDE (DIBROMOMETHANE)	NE														
(46) METHYLENE CHLORIDE (DICHLOROMETHANE)	5														
(47) MEK; 2-BUTANE (METHYL ETHYL KETONE)	170														
(48) METHYL IODIDE (IODOMETHANE)	NE														
(49) METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NE														
(50) STYRENE	100														
(51) 1,1,1,2-TETRACHLOROETHANE	NE														
(52) 1,1,2,2-TETRACHLOROETHANE	NE														
(53) TETRACHLOROETHYLENE (TETRACHLOROETHENE) (PERCHLOROETHYLEN	0.70														
(54) TOLUENE	1000														
(55) 1,1,1-TRICHLOROETHANE (METHYLCHLOROFORM)	200														
(56) 1,1,2 TRICHLOROETHANE	NE														
(57) TRICHLOROETHYLENE (TRICHLOROETHENE)	2.80														
(58) CFC-11 (TRICHLOROFLUOROMETHANE)	2100														
(59) 1,2,3-TRICHLOROPROPANE	NE														
(60) VINYL ACETATE	NE														
(61) VINYL CHLORIDE	0.0150														
(62) XYLENES	530														

WAYNE COUNTY LANDFILL MONITORING WELL #4					
		SAMPLE #1			
CONSTITUENT	NC GW STND (mg/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Cyanide, Total					
Sulfide					
Mercury		0.0006			
Tin					
	NC GW STND (ug/L)				
Acetonitrile					
Acrlein					
Allyl chloride					
Bromobenzene					
2-Butanone					
n-Butylbenzene					
sec-Butylbenzene					
tert-Butylbenzene					
2-Chlorotoluene					
4-Chlorotoluene					
Chloroprene					
1,2-Dibromo-3-chloropropane					
1,3-Dichlorobenzene					
1,3-Dicholoropropane					
2,2-Dicholoropropane					
1,1-Dichloropropene					
Dichlorodifluoromethane					
Diisopropyl ether (DIPE)					
Ethyl methacrylate					
Hexachlorobutadiene					
Isobutanol					
Isopropylbenzene					
4-Isopropyltoluene					
Methacrylonitrile					
Methyl methacrylate					
Methyl-tert-butyl ether (MTBE)					
Naphthalene					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

MW-4 Herb-Pest

WAYNE COUNTY MONITORING WELL #4					
		SAMPLE #1			
HERBICIDES	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
2,4-D					
Silvex					
2,4,5-T					
Dinoseb					
PESTICIDES AND PCBS					
alpha-BHC					
beta-BHC					
gamma-BHC (Lindane)					
Delta-BHC					
Heptachlor					
Aldrin					
Heptachlor epoxide					
Endosulfan I					
Dieldrin					
Endrin					
4,4-DDD					
Endosulfan II					
4,4-DDT					
4,4-DDE					
Endrin aldehyde					
Endosulfan sulfate					
Methoxychlor					
Toxaphene					
Chlordane (tech)					
Aroclor-1221					
Aroclor-1232					
Aroclor-1242					
Aroclor-1248					
Aroclor-1254					
Aroclor-1260					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

WAYNE COUNTY: MONITORING WELL #4					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Acenaphthene					
Acenaphthylene					
Acetophenone					
2-Acetylaminofluorene					
4-Aminobiphenyl					
Anthracene					
Benzo[a]anthracene					
Benzo[a]pyrene					
Benzo[b]fluoranthene					
Benzo[g,h,i]perylene					
Benzo[k]fluoranthene					
Benzyl Alcohol					
Bis(2-chloro-1-methylethyl)ether					
Bis(2-chloroethoxy)methane					
Bis(2-chloroethyl)ether					
Bis(2-ethylhexyl)phthalate					
4-Bromophenyl phenyl ether					
Butylbenzylphthalate					
4-Chloroaniline					
Chlorobenzilate					
4-Chloro-3-methylphenol					
2-Chloronaphthalene					
2-Chlorophenol					
4-Chlorophenyl phenyl ether					
Chrysene					
Diallate					
Dibenzo[a,h]anthracene					
Dibenzofuran					
Di-n-butyphthalate					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
3,3'-Dichlorobenzidine					
2,4-Dichlorophenol					
2,6-Dichlorophenol					
Diethylphtalate					
Dimethoate					
p-Dimethylaminoazobenzene					
7,12-Dimethylbenz[a]anthracene					
3,3'-Dimethylbenzidine					
2,4-Dimethylphenol					
Dimethylphthalate					
m-Dinitrobenzene					
4,6-Dinitro-2-methylphenol					
2,4-Dinitrophenol					
2,4-Dinitrotoluene					
2,6-Dinitrotoluene					
Dinoseb					
Di-n-octylphthalate					
Diphenylamine					
Disulfoton					
Ethylmethanesulfonate					
Famphur					
Fluoranthene					
Fluorene					
Hexachlorobenzene					
Hexachlorobutadiene					

WAYNE COUNTY: MONITORING WELL #4					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Hexachloropentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-c,d)pyrene					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Methapyrilene					
Methyl parathion					
3-Methylcholanthrene					
Methylmethanesulfonate					
2-Methylnaphthalene					
2-Methylphenol					
3&4-Methylphenol					
Napthalene					
1,4-Naphthoquinone					
1-Naphthylamine					
2-Naphtylamine					
5-Nitro-o-toluidine					
2-Nitroaniline					
3-Nitroaniline					
4-Nitroaniline					
Nitrobenzene					
2-Nitrophenol					
4-Nitrophenol					
N-Nitroso-di-n-butylamine					
N-nitrosodi-n-propylamine					
N-Nitrosodiethylamine					
N-Nitrosodimethylamine					
N-Nitrosodiphenylamine					
N-Nitrosomethylethylamine					
N-Nitrosopiperidine					
N-Nitrosopyrrolidine					
Parathion					
Pentachflorobenzene					
Pentachloronitrobenzene					
Pentachlorophenol					
Phenacetin					
Phenanthrene					
Phenol					
p-Phenylenediamine					
Phorate					
Pronamide					
Pyrene					
Safrole					
1,2,4,5-Tetrachlorobenzene					
2,3,4,6-Tetrachlorophenol					
Thionazin					
o-Toluidine					
2,4,5-Tricholorphenol					
2,4,6-Trichlorophenol					
0.0.0-Triethylphosphorothioate					
sym-Trinitrobenzene					

Scan Doc

monitoring well #5

WAYNE COUNTY: MONITORING WELL #5

CONSTITUENT	NC GW STND (mg/L)	9/8/94 SAMPLE #1	10/20/94 SAMPLE #2	1/5/95 SAMPLE #3	3/23/95 SAMPLE #4	7/18/95 SAMPLE #5	2/20/96 SAMPLE #6	8/29/96 SAMPLE#7	2/4/97 SAMPLE #8	8/27/97 SAMPLE #9	2/11/98 SAMPLE #10	3/12/98 SAMPLE #11	STANDARD DEVIATION	MEAN	MEDIAN
(1) ANTIMONY												NS			
(2) ARSENIC	NC GW STND (mg/L)					0.0290						NS			
(3) BARIUM	NE											NS	0.0055	0.0235	0.0235
(4) BERYLLIUM	0.06	0.0180				0.0070						NS			
(5) CADMIUM	2.0					0.0160						NS	0.0024	0.0037	0.0020
(6) CHROMIUM	NE	0.0020	0.0020		0.0010	0.0520	0.0020		0.0010	0.0030	0.0014	NS	0.0048	0.0044	0.0025
(7) COBALT	0.0050	0.0070	0.0040			0.0360	0.0150			0.0100	0.0100	NS	0.0151	0.0238	0.0185
(8) COPPER	0.050	0.0340	0.0220									NS	0.0095	0.0227	0.0170
(9) LEAD	1.0	0.0170	0.0150			0.0820	0.0100			0.0100		NS			
(10) NICKEL	0.0150	0.0300	0.0140			0.0730						NS	0.0240	0.0274	0.0140
(11) SELENIUM	0.10	0.0570										NS	0.0125	0.0695	0.0695
(12) SILVER	0.050											NS			
(13) THALLIUM	0.0180											NS			
(14) VANADIUM	NE											NS			
(15) ZINC	NE											NS			
(16) ACETONE	NC GW STND (µg/L)											NS			
(17) ACRYLONITRILE	700											NS			
(18) BENZENE	NE											NS			
(19) BROMOCHLOROMETHANE	1.0											NS			
(20) BROMODICHLOROMETHANE	NE											NS			
(21) BROMOFORM (TRIBROMOMRTHANE)	0.6000											NS			
(22) CARBON DISULFIDE	0.190											NS			
(23) CARBON TETRACHLORIDE	700											NS			
(24) CHLOROBENZENE	0.30											NS			
(25) CHLOROETHANE (ETHYL CHLORIDE)	50											NS			
(26) CHLOROFORM (TRICHLOROMETHANE)	NE											NS			
(27) CHLORODIBROMOMETHANE (DIBROMOCHLOROMETHANE)	0.190											NS			
(28) DBCP (1,2-DIBROMO-3-CHLOROPROPANE)	NE											NS			
(29) ETHYLENE DIBROMIDE (1,2-DIBROMOETHANE)	0.0250											NS			
(30) O-DICHLOROBENZENE (1,2-DICHLOROBENZENE)	0.0004											NS			
(31) P-DICHLOROBENZENE (1,4-DICHLOROBENZENE)	620											NS			
(32) T-1,4-DICHLORO-2-BUTENE	75											NS			
(33) 1,1-DICHLOROETHANE (ETHYLIDENE CHLORIDE)	NE											NS			
(34) ETHYLENE DICHLORIDE (1,2-DICHLOROETHANE)	700											NS			
(35) VINYLIDENE CHLORIDE (1,1-DICHLOROETHENE) (ETHYLENE)	0.380											NS			
(36) CIS-1,2-DICHLOROETHENE (CIS-1,2-DICHLOROETHYLENE)	7											NS			
(37) T-1,2-DICHLOROETHENE (TRANS-1,2-DICHLOROETHYLENE)	70											NS			
(38) PROPYLENE DICHLORIDE (1,2-DICHLOROPROPANE)	70											NS			
(39) CIS-1,3-DICHLOROPROPENE	0.560											NS			
(40) T-1,3-DICHLOROPROPENE	0.2000											NS			
(41) ETHYLBENZENE	0.2000											NS			
(42) METHYL BUTYL KETONE (2-HEXANONE)	29											NS			
(43) METHYL BROMIDE (BROMOMETHANE)	NE											NS			
(44) METHYL CHLORIDE (CHLOROMETHANE)	NE											NS			
(45) METHYLENE BROMIDE (DIBROMOMETHANE)	NE											NS			
(46) METHYLENE CHLORIDE (DICHLOROMETHANE)	5											NS			
(47) MEK: 2-BUTANE (METHYL ETHYL KETONE)	170											NS			
(48) METHYL IODIDE (IODOMETHANE)	NE											NS			
(49) METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NE											NS			
(50) STYRENE	100											NS			
(51) 1,1,1,2-TETRACHLOROETHANE	NE											NS			
(52) 1,1,2,2-TETRACHLOROETHANE	NE											NS			
(53) TETRACHLOROETHYLENE (TETRACHLOROETHENE) (PERCHLOROETHYLEN	0.70											NS			
(54) TOLUENE	1000											NS			
(55) 1,1,1-TRICHLOROETHANE (METHYLCHLOROFORM)	200											NS			
(56) 1,1,2 TRICHLOROETHANE	NE											NS			
(57) TRICHLOROETHYLENE (TRICHLOROETHENE)	2.80											NS			
(58) CFC-11 (TRICHLOROFLUOROMETHANE)	2100											NS			
(59) 1,2,3-TRICHLOROPROPANE	NE											NS			
(60) VINYL ACETATE	NE											NS			
(61) VINYL CHLORIDE	0.0150											NS			
(62) XYLENES	530											NS			

WAYNE COUNTY LANDFILL MONITORING WELL #5					
		SAMPLE #1			
CONSTITUENT	NC GW STND (mg/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Cyanide, Total					
Sulfide					
Mercury					
Tin					
	NC GW STND (ug/L)				
Acetonitrile					
Acrlein					
Allyl chloride					
Bromobenzene					
2-Butanone					
n-Butylbenzene					
sec-Butylbenzene					
tert-Butylbenzene					
2-Chlorotoluene					
4-Chlorotoluene					
Chloroprene					
1,2-Dibromo-3-chloropropane					
1,3-Dichlorobenzene					
1,3-Dicholoropropane					
2,2-Dicholoropropane					
1,1-Dichloropropene					
Dichlorodifluoromethane					
Diisopropyl ether (DIPE)					
Ethyl methacrylate					
Hexachlorobutadiene					
Isobutanol					
Isopropylbenzene					
4-Isopropyltoluene					
Methacrylonitrile					
Methyl methacrylate					
Methyl-tert-butyl ether (MTBE)					
Naphthalene					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

MW-5 Herb-Pest

WAYNE COUNTY MONITORING WELL #5					
		SAMPLE #1			
HERBICIDES	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
2,4-D					
Silvex					
2,4,5-T					
Dinoseb					
PESTICIDES AND PCBS					
alpha-BHC					
beta-BHC					
gamma-BHC (Lindane)					
Delta-BHC					
Heptachlor					
Aldrin					
Heptachlor epoxide					
Endosulfan I					
Dieldrin					
Endrin					
4,4-DDD					
Endosulfan II					
4,4-DDT					
4,4-DDE					
Endrin aldehyde					
Endosulfan sulfate					
Methoxychlor					
Toxaphene					
Chlordane (tech)					
Aroclor-1221					
Aroclor-1232					
Aroclor-1242					
Aroclor-1248					
Aroclor-1254					
Aroclor-1260					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
O-Xylene					

WAYNE COUNTY: MONITORING WELL #5					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Acenaphthene					
Acenaphthylene					
Acetophenone					
2-Acetylaminofluorene					
4-Aminobiphenyl					
Anthracene					
Benzo[a]anthracene					
Benzo[a]pyrene					
Benzo[b]fluoranthene					
Benzo[g,h,i]perylene					
Benzo[k]fluoranthene					
Benzyl Alcohol					
Bis(2-chloro-1-methylethyl)ether					
Bis(2-chloroethoxy)methane					
Bis(2-chloroethyl)ether					
Bis(2-ethylhexyl)phthalate					
4-Bromophenyl phenyl ether					
Butylbenzylphthalate					
4-Chloroaniline					
Chlorobenzilate					
4-Chloro-3-methylphenol					
2-Chloronaphthalene					
2-Chlorophenol					
4-Chlorophenyl phenyl ether					
Chrysene					
Diallate					
Dibenzo[a,h]anthracene					
Dibenzofuran					
Di-n-butyphthalate					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
3,3'-Dichlorobenzidine					
2,4-Dichlorophenol					
2,6-Dichlorophenol					
Diethylphtalate					
Dimethoate					
p-Dimethylaminoazobenzene					
7,12-Dimethylbenz[a]anthracene					
3,3'-Dimethylbenzidine					
2,4-Dimethylphenol					
Dimethylphthalate					
m-Dinitrobenzene					
4,6-Dinitro-2-methylphenol					
2,4-Dinitrophenol					
2,4-Dinitrotoluene					
2,6-Dinitrotoluene					
Dinoseb					
Di-n-octylphthalate					
Diphenylamine					
Disulfoton					
Ethylmethanesulfonate					
Famphur					
Fluoranthene					
Fluorene					
Hexachlorobenzene					
Hexachlorobutadiene					

WAYNE COUNTY: MONITORING WELL #5					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Hexachloropentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-c,d)pyrene					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Methapyrilene					
Methyl parathion					
3-Methylcholanthrene					
Methylmethanesulfonate					
2-Methylnaphthalene					
2-Methylphenol					
3&4-Methylphenol					
Napthalene					
1,4-Naphthoquinone					
1-Naphthylamine					
2-Naphtylamine					
5-Nitro-o-toluidine					
2-Nitroaniline					
3-Nitroaniline					
4-Nitroaniline					
Nitrobenzene					
2-Nitrophenol					
4-Nitrophenol					
N-Nitroso-di-n-butylamine					
N-nitrosodi-n-propylamine					
N-Nitrosodiethylamine					
N-Nitrosodimethylamine					
N-Nitrosodiphenylamine					
N-Nitrosomethylethylamine					
N-Nitrosopiperidine					
N-Nitrosopyrrolidine					
Parathion					
Pentachflorobenzene					
Pentachloronitrobenzene					
Pentachlorophenol					
Phenacetin					
Phenanthrene					
Phenol					
p-Phenylenediamine					
Phorate					
Pronamide					
Pyrene					
Safrole					
1,2,4,5-Tetrachlorobenzene					
2,3,4,6-Tetrachlorophenol					
Thionazin					
o-Toluidine					
2,4,5-Tricholorphenol					
2,4,6-Trichlorophenol					
0.0.0-Triethylphosphorothioate					
sym-Trinitrobenzene					

scan Doc.

monitoring well #5

96-01

WAYNE COUNTY: MONITORING WELL #6

CONSTITUENT	NC GW STND (mg/L)	9/8/94 SAMPLE #1	10/20/94 SAMPLE #2	1/5/95 SAMPLE #3	3/23/95 SAMPLE #4	7/18/95 SAMPLE #5	2/20/96 SAMPLE #6	8/29/96 SAMPLE#7	2/4/97 SAMPLE #8	8/27/97 SAMPLE #9	2/11/98 SAMPLE #10	3/12/98 SAMPLE #11	STANDARD DEVIATION	MEAN	MEDIAN
(1) ANTIMONY	NE											NS			
(2) ARSENIC	0.05											NS			
(3) BARIUM	2.0											NS			
(4) BERYLLIUM	NE											NS			
(5) CADMIUM	0.0050							0.0010				NS	0.0000	0.0010	0.0010
(6) CHROMIUM	0.050					0.0150	0.0400	0.0870	0.0340	0.1780	0.0520	NS	0.0540	0.0677	0.0460
(7) COBALT	NE											NS			
(8) COPPER	1.0											NS			
(9) LEAD	0.0150						0.0120	0.0360	0.0160	0.0950	0.0290	NS	0.0300	0.0376	0.0290
(10) NICKEL	0.10											NS			
(11) SELENIUM	0.050											NS			
(12) SILVER	0.0180											NS			
(13) THALLIUM	NE											NS			
(14) VANADIUM	NE							0.0950	0.0750	0.1800	0.0750	NS	0.0434	0.1063	0.0850
(15) ZINC	2.10								0.0740	0.0610		NS	0.0065	0.0675	0.0675
	NC GW STND (µg/L)														
(16) ACETONE	700				145.0000								0.0000	145.0000	145.0000
(17) ACRYLONITRILE	NE														
(18) BENZENE	1.0														
(19) BROMOCHLOROMETHANE	NE														
(20) BROMODICHLOROMETHANE	0.6000														
(21) BROMOFORM (TRIBROMOMRTHANE)	0.190														
(22) CARBON DISULFIDE	700														
(23) CARBON TETRACHLORIDE	0.30														
(24) CHLOROBENZENE	50				6.0000	10.0000	6.0000	8.0000	11.0000	9.9000		5.9000	2.0329	8.1143	8.0000
(25) CHLOROETHANE (ETHYL CHLORIDE)	NE														
(26) CHLOROFORM (TRICHLOROMETHANE)	0.190														
(27) CHLORODIBROMOMETHANE (DIBROMOCHLOROMETHANE)	NE														
(28) DBCP (1,2-DIBROMO-3-CHLOROPROPANE)	0.0250														
(29) ETHYLENE DIBROMIDE (1,2-DIBROMOETHANE)	0.0004														
(30) O-DICHLOROBENZENE (1,2-DICHLOROBENZENE)	620									5.1000			0.0000	5.1000	5.1000
(31) P-DICHLOROBENZENE (1,4-DICHLOROBENZENE)	75	16.0000	11.0000	8.0000	10.0000	25.0000		8.0000		11.0000	6.2000	7.2000	5.5397	11.3778	10.0000
(32) T-1,4-DICHLORO-2-BUTENE	NE														
(33) 1,1-DICHLOROETHANE (ETHYLIDENE CHLORIDE)	700														
(34) ETHYLENE DICHLORIDE (1,2-DICHLOROETHANE)	0.380														
(35) VINYLIDENE CHLORIDE (1,1-DICHLOROETHENE) (ETHYLENE)	7														
(36) CIS-1,2-DICHLOROETHENE (CIS-1,2-DICHLOROETHYLENE)	70														
(37) T-1,2-DICHLOROETHENE (TRANS-1,2-DICHLOROETHYLENE)	70														
(38) PROPYLENE DICHLORIDE (1,2-DICHLOROPROPANE)	0.560														
(39) CIS-1,3-DICHLOROPROPENE	0.2000														
(40) T-1,3-DICHLOROPROPENE	0.2000														
(41) ETHYLBENZENE	29	83.0000	61.0000	42.0000	104.0000	55.0000	31.0000		40.0000		10.6000	8.3000	29.7058	48.3222	42.0000
(42) METHYL BUTYL KETONE (2-HEXANONE)	NE														
(43) METHYL BROMIDE (BROMOMETHANE)	NE														
(44) METHYL CHLORIDE (CHLOROMETHANE)	NE														
(45) METHYLENE BROMIDE (DIBROMOMETHANE)	NE														
(46) METHYLENE CHLORIDE (DICHLOROMETHANE)	5														
(47) MEK; 2-BUTANE (METHYL ETHYL KETONE)	170														
(48) METHYL IODIDE (IODOMETHANE)	NE														
(49) METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NE														
(50) STYRENE	100														
(51) 1,1,1,2-TETRACHLOROETHANE	NE														
(52) 1,1,2,2-TETRACHLOROETHANE	NE														
(53) TETRACHLOROETHYLENE (TETRACHLOROETHENE) (PERCHLOROETHYLENE	0.70														
(54) TOLUENE	1000				5.0000								0.0000	5.0000	5.0000
(55) 1,1,1-TRICHLOROETHANE (METHYLCHLOROFORM)	200														
(56) 1,1,2 TRICHLOROETHANE	NE														
(57) TRICHLOROETHYLENE (TRICHLOROETHENE)	2.80														
(58) CFC-11 (TRICHLOROFLUOROMETHANE)	2100														
(59) 1,2,3-TRICHLOROPROPANE	NE														
(60) VINYL ACETATE	NE														
(61) VINYL CHLORIDE	0.0150														
(62) XYLENES	530	180.0000	104.0000	47.0000	141.0000	114.0000	52.0000	46.0000	133.0000	78.0000	66.0000	89.0000	41.5000	95.4545	89.0000
(1) NAPTHALENE	NE					10.0000	6.0000						2.0000	8.0000	8.0000

MW-6 App2

WAYNE COUNTY LANDFILL MONITORING WELL #6					
		SAMPLE #1			
CONSTITUENT	NC GW STND (mg/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Cyanide, Total					
Sulfide					
Mercury					
Tin					
	NC GW STND (ug/L)				
Acetonitrile					
Acrlein					
Allyl chloride					
Bromobenzene					
2-Butanone					
n-Butylbenzene					
sec-Butylbenzene					
tert-Butylbenzene					
2-Chlorotoluene					
4-Chlorotoluene					
Chloroprene					
1,2-Dibromo-3-chloropropane					
1,3-Dichlorobenzene					
1,3-Dicholoropropane					
2,2-Dicholoropropane					
1,1-Dichloropropene					
Dichlorodifluoromethane					
Diisopropyl ether (DIPE)					
Ethyl methacrylate					
Hexachlorobutadiene					
Isobutanol					
Isopropylbenzene					
4-Isopropyltoluene					
Methacrylonitrile					
Methyl methacrylate					
Methyl-tert-butyl ether (MTBE)					
Naphthalene					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

MW-6 Herb-Pest

WAYNE COUNTY MONITORING WELL #6					
		SAMPLE #1			
HERBICIDES	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
2,4-D					
Silvex					
2,4,5-T					
Dinoseb					
PESTICIDES AND PCBS					
alpha-BHC					
beta-BHC					
gamma-BHC (Lindane)					
Delta-BHC					
Heptachlor					
Aldrin					
Heptachlor epoxide					
Endosulfan I					
Dieldrin					
Endrin					
4,4-DDD					
Endosulfan II					
4,4-DDT					
4,4-DDE					
Endrin aldehyde					
Endosulfan sulfate					
Methoxychlor					
Toxaphene					
Chlordane (tech)					
Aroclor-1221					
Aroclor-1232					
Aroclor-1242					
Aroclor-1248					
Aroclor-1254					
Aroclor-1260					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

WAYNE COUNTY: MONITORING WELL #6					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Acenaphthene					
Acenaphthylene					
Acetophenone					
2-Acetylaminofluorene					
4-Aminobiphenyl					
Anthracene					
Benzo[a]anthracene					
Benzo[a]pyrene					
Benzo[b]fluoranthene					
Benzo[g,h,i]perylene					
Benzo[k]fluoranthene					
Benzyl Alcohol					
Bis(2-chloro-1-methylethyl)ether					
Bis(2-chloroethoxy)methane					
Bis(2-chloroethyl)ether					
Bis(2-ethylhexyl)phthalate					
4-Bromophenyl phenyl ether					
Butylbenzylphthalate					
4-Chloroaniline					
Chlorobenzilate					
4-Chloro-3-methylphenol					
2-Chloronaphthalene					
2-Chlorophenol					
4-Chlorophenyl phenyl ether					
Chrysene					
Diallate					
Dibenzo[a,h]anthracene					
Dibenzofuran					
Di-n-butyphthalate					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
3,3'-Dichlorobenzidine					
2,4-Dichlorophenol					
2,6-Dichlorophenol					
Diethylphtalate					
Dimethoate					
p-Dimethylaminoazobenzene					
7,12-Dimethylbenz[a]anthracene					
3,3'-Dimethylbenzidine					
2,4-Dimethylphenol					
Dimethylphthalate					
m-Dinitrobenzene					
4,6-Dinitro-2-methylphenol					
2,4-Dinitrophenol					
2,4-Dinitrotoluene					
2,6-Dinitrotoluene					
Dinoseb					
Di-n-octylphthalate					
Diphenylamine					
Disulfoton					
Ethylmethanesulfonate					
Famphur					
Fluoranthene					
Fluorene					
Hexachlorobenzene					
Hexachlorobutadiene					

WAYNE COUNTY: MONITORING WELL #6					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Hexachloropentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-c,d)pyrene					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Methapyrilene					
Methyl parathion					
3-Methylcholanthrene					
Methylmethanesulfonate					
2-Methylnaphthalene					
2-Methylphenol					
3&4-Methylphenol					
Napthalene					
1,4-Naphthoquinone					
1-Naphthylamine					
2-Naphtylamine					
5-Nitro-o-toluidine					
2-Nitroaniline					
3-Nitroaniline					
4-Nitroaniline					
Nitrobenzene					
2-Nitrophenol					
4-Nitrophenol					
N-Nitroso-di-n-butylamine					
N-nitrosodi-n-propylamine					
N-Nitrosodiethylamine					
N-Nitrosodimethylamine					
N-Nitrosodiphenylamine					
N-Nitrosomethylethylamine					
N-Nitrosopiperidine					
N-Nitrosopyrrolidine					
Parathion					
Pentachflorobenzene					
Pentachloronitrobenzene					
Pentachlorophenol					
Phenacetin					
Phenanthrene					
Phenol					
p-Phenylenediamine					
Phorate					
Pronamide					
Pyrene					
Safrole					
1,2,4,5-Tetrachlorobenzene					
2,3,4,6-Tetrachlorophenol					
Thionazin					
o-Toluidine					
2,4,5-Tricholorphenol					
2,4,6-Trichlorophenol					
0.0.0-Triethylphosphorothioate					
sym-Trinitrobenzene					

Monitoring # 1

WAYNE COUNTY: MONITORING WELL #7

CONSTITUENT	NC GW STND (mg/L)	9/8/94 SAMPLE #1	10/20/94 SAMPLE #2	1/5/95 SAMPLE #3	3/23/95 SAMPLE #4	7/18/95 SAMPLE #5	2/20/96 SAMPLE #6	8/29/96 SAMPLE#7	2/4/97 SAMPLE #8	8/27/97 SAMPLE #9	2/11/98 SAMPLE #10	3/12/98 SAMPLE #11	STANDARD DEVIATION	MEAN	MEDIAN
(1) ANTIMONY	NE											NS			
(2) ARSENIC	0.05										0.0100	NS			
(3) BARIUM	2.0											NS			
(4) BERYLLIUM	NE											NS			
(5) CADMIUM	0.0050											NS			
(6) CHROMIUM	0.050	0.0170				0.0100	0.0220	0.0490	0.0100	0.1000	0.0600	NS	0.0310	0.0383	0.0220
(7) COBALT	NE											NS			
(8) COPPER	1.0											NS			
(9) LEAD	0.0150	0.0440					0.0110	0.0430		0.0790	0.0310	NS	0.0222	0.0416	0.0430
(10) NICKEL	0.10											NS			
(11) SELENIUM	0.050											NS			
(12) SILVER	0.0180											NS			
(13) THALLIUM	NE											NS			
(14) VANADIUM	NE	0.0570					0.0400	0.1570		0.1540	0.1620	NS	0.0538	0.1140	0.1540
(15) ZINC	2.10	0.0520										NS	0.0000	0.0520	0.0520
	NC GW STND (µg/L)														
(16) ACETONE	700														
(17) ACRYLONITRILE	NE														
(18) BENZENE	1.0														
(19) BROMOCHLOROMETHANE	NE														
(20) BROMODICHLOROMETHANE	0.6000														
(21) BROMOFORM (TRIBROMOMRTHANE)	0.190														
(22) CARBON DISULFIDE	700														
(23) CARBON TETRACHLORIDE	0.30														
(24) CHLOROBENZENE	50														
(25) CHLOROETHANE (ETHYL CHLORIDE)	NE														
(26) CHLOROFORM (TRICHLOROMETHANE)	0.190														
(27) CHLORODIBROMOMETHANE (DIBROMOCHLOROMETHANE)	NE														
(28) DBCP (1,2-DIBROMO-3-CHLOROPROPANE)	0.0250														
(29) ETHYLENE DIBROMIDE (1,2-DIBROMOETHANE)	0.0004														
(30) O-DICHLOROBENZENE (1,2-DICHLOROBENZENE)	620														
(31) P-DICHLOROBENZENE (1,4-DICHLOROBENZENE)	75														
(32) T-1,4-DICHLORO-2-BUTENE	NE														
(33) 1,1-DICHLOROETHANE (ETHYLIDENE CHLORIDE)	700														
(34) ETHYLENE DICHLORIDE (1,2-DICHLOROETHANE)	0.380														
(35) VINYLIDENE CHLORIDE (1,1-DICHLOROETHENE) (ETHYLENE)	7														
(36) CIS-1,2-DICHLOROETHENE (CIS-1,2-DICHLOROETHYLENE)	70														
(37) T-1,2-DICHLOROETHENE (TRANS-1,2-DICHLOROETHYLENE)	70														
(38) PROPYLENE DICHLORIDE (1,2-DICHLOROPROPANE)	0.560														
(39) CIS-1,3-DICHLOROPROPENE	0.2000														
(40) T-1,3-DICHLOROPROPENE	0.2000														
(41) ETHYLBENZENE	29														
(42) METHYL BUTYL KETONE (2-HEXANONE)	NE														
(43) METHYL BROMIDE (BROMOMETHANE)	NE														
(44) METHYL CHLORIDE (CHLOROMETHANE)	NE														
(45) METHYLENE BROMIDE (DIBROMOMETHANE)	NE														
(46) METHYLENE CHLORIDE (DICHLOROMETHANE)	5														
(47) MEK; 2-BUTANE (METHYL ETHYL KETONE)	170														
(48) METHYL IODIDE (IODOMETHANE)	NE														
(49) METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NE														
(50) STYRENE	100														
(51) 1,1,1,2-TETRACHLOROETHANE	NE														
(52) 1,1,2,2-TETRACHLOROETHANE	NE														
(53) TETRACHLOROETHYLENE (TETRACHLOROETHENE) (PERCHLOROETHYLENE	0.70														
(54) TOLUENE	1000														
(55) 1,1,1-TRICHLOROETHANE (METHYLCHLOROFORM)	200														
(56) 1,1,2 TRICHLOROETHANE	NE														
(57) TRICHLOROETHYLENE (TRICHLOROETHENE)	2.80														
(58) CFC-11 (TRICHLOROFLUOROMETHANE)	2100														
(59) 1,2,3-TRICHLOROPROPANE	NE														
(60) VINYL ACETATE	NE														
(61) VINYL CHLORIDE	0.0150														
(62) XYLENES	530														

MW-7 Herb-Pest

WAYNE COUNTY MONITORING WELL #7					
		SAMPLE #1			
HERBICIDES	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
2,4-D					
Silvex					
2,4,5-T					
Dinoseb					
PESTICIDES AND PCBS					
alpha-BHC					
beta-BHC					
gamma-BHC (Lindane)					
Delta-BHC					
Heptachlor					
Aldrin					
Heptachlor epoxide					
Endosulfan I					
Dieldrin					
Endrin					
4,4-DDD					
Endosulfan II					
4,4-DDT					
4,4-DDE					
Endrin aldehyde					
Endosulfan sulfate					
Methoxychlor					
Toxaphene					
Chlordane (tech)					
Aroclor-1221					
Aroclor-1232					
Aroclor-1242					
Aroclor-1248					
Aroclor-1254					
Aroclor-1260					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

WAYNE COUNTY LANDFILL MONITORING WELL #7					
		SAMPLE #1			
CONSTITUENT	NC GW STND (mg/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Cyanide, Total					
Sulfide					
Mercury					
Tin					
	NC GW STND (ug/L)				
Acetonitrile					
Acrlein					
Allyl chloride					
Bromobenzene					
2-Butanone					
n-Butylbenzene					
sec-Butylbenzene					
tert-Butylbenzene					
2-Chlorotoluene					
4-Chlorotoluene					
Chloroprene					
1,2-Dibromo-3-chloropropane					
1,3-Dichlorobenzene					
1,3-Dicholoropropane					
2,2-Dicholoropropane					
1,1-Dichloropropene					
Dichlorodifluoromethane					
Diisopropyl ether (DIPE)					
Ethyl methacrylate					
Hexachlorobutadiene					
Isobutanol					
Isopropylbenzene					
4-Isopropyltoluene					
Methacrylonitrile					
Methyl methacrylate					
Methyl-tert-butyl ether (MTBE)					
Naphthalene					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

WAYNE COUNTY: MONITORING WELL #7					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Acenaphthene					
Acenaphthylene					
Acetophenone					
2-Acetylaminofluorene					
4-Aminobiphenyl					
Anthracene					
Benzo[a]anthracene					
Benzo[a]pyrene					
Benzo[b]fluoranthene					
Benzo[g,h,i]perylene					
Benzo[k]fluoranthene					
Benzyl Alcohol					
Bis(2-chloro-1-methylethyl)ether					
Bis(2-chloroethoxy)methane					
Bis(2-chloroethyl)ether					
Bis(2-ethylhexyl)phthalate					
4-Bromophenyl phenyl ether					
Butylbenzylphthalate					
4-Chloroaniline					
Chlorobenzilate					
4-Chloro-3-methylphenol					
2-Chloronaphthalene					
2-Chlorophenol					
4-Chlorophenyl phenyl ether					
Chrysene					
Diallate					
Dibenzo[a,h]anthracene					
Dibenzofuran					
Di-n-butyphthalate					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
3,3'-Dichlorobenzidine					
2,4-Dichlorophenol					
2,6-Dichlorophenol					
Diethylphtalate					
Dimethoate					
p-Dimethylaminoazobenzene					
7,12-Dimethylbenz[a]anthracene					
3,3'-Dimethylbenzidine					
2,4-Dimethylphenol					
Dimethylphthalate					
m-Dinitrobenzene					
4,6-Dinitro-2-methylphenol					
2,4-Dinitrophenol					
2,4-Dinitrotoluene					
2,6-Dinitrotoluene					
Dinoseb					
Di-n-octylphthalate					
Diphenylamine					
Disulfoton					
Ethylmethanesulfonate					
Famphur					
Fluoranthene					
Fluorene					
Hexachlorobenzene					
Hexachlorobutadiene					

WAYNE COUNTY: MONITORING WELL #7					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Hexachloropentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-c,d)pyrene					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Methapyrilene					
Methyl parathion					
3-Methylcholanthrene					
Methylmethanesulfonate					
2-Methylnaphthalene					
2-Methylphenol					
3&4-Methylphenol					
Napthalene					
1,4-Naphthoquinone					
1-Naphthylamine					
2-Naphtylamine					
5-Nitro-o-toluidine					
2-Nitroaniline					
3-Nitroaniline					
4-Nitroaniline					
Nitrobenzene					
2-Nitrophenol					
4-Nitrophenol					
N-Nitroso-di-n-butylamine					
N-nitrosodi-n-propylamine					
N-Nitrosodiethylamine					
N-Nitrosodimethylamine					
N-Nitrosodiphenylamine					
N-Nitrosomethylethylamine					
N-Nitrosopiperidine					
N-Nitrosopyrrolidine					
Parathion					
Pentachflorobenzene					
Pentachloronitrobenzene					
Pentachlorophenol					
Phenacetin					
Phenanthrene					
Phenol					
p-Phenylenediamine					
Phorate					
Pronamide					
Pyrene					
Safrole					
1,2,4,5-Tetrachlorobenzene					
2,3,4,6-Tetrachlorophenol					
Thionazin					
o-Toluidine					
2,4,5-Tricholorphenol					
2,4,6-Trichlorophenol					
0.0.0-Triethylphosphorothioate					
sym-Trinitrobenzene					

Screw Due

monitoring well # 8

WAYNE COUNTY: MONITORING WELL #8		9/8/94	10/20/94	1/5/95	3/23/95	7/18/95	2/20/96	8/29/96	2/4/97	8/27/97	2/11/98	3/12/98			
CONSTITUENT	NC GW STND (mg/L)	SAMPLE #1	SAMPLE #2	SAMPLE #3	SAMPLE #4	SAMPLE #5	SAMPLE #6	SAMPLE#7	SAMPLE #8	SAMPLE #9	SAMPLE #10	SAMPLE #11	STANDARD DEVIATION	MEAN	MEDIAN
(1) ANTIMONY	NE											NS			
(2) ARSENIC	0.05											NS			
(3) BARIUM	2.0											NS			
(4) BERYLLIUM	NE											NS			
(5) CADMIUM	0.0050					0.0170	0.0250	0.0720		0.0380	0.0330	NS	0.0191	0.0333	0.0290
(6) CHROMIUM	0.050	0.0150										NS			
(7) COBALT	NE											NS			
(8) COPPER	1.0					0.0120	0.0120	0.0290		0.0250	0.0140	NS	0.0484	0.0398	0.0195
(9) LEAD	0.0150	0.1470										NS			
(10) NICKEL	0.10											NS			
(11) SELENIUM	0.050											NS			
(12) SILVER	0.0180											NS			
(13) THALLIUM	NE							0.0450				NS	0.0000	0.0450	0.0450
(14) VANADIUM	NE											NS	0.0000	0.1870	0.1870
(15) ZINC	2.10	0.1870										NS	0.0000	0.0037	0.0037
(16) MERCURY	0.0011					0.0037									
	NC GW STND (µg/L)														
(16) ACETONE	700														
(17) ACRYLONITRILE	NE												0.0000	6.0000	6.0000
(18) BENZENE	1.0					6.0000									
(19) BROMOCHLOROMETHANE	NE														
(20) BROMODICHLOROMETHANE	0.6000														
(21) BROMOFORM (TRIBROMOMRTHANE)	0.190														
(22) CARBON DISULFIDE	700														
(23) CARBON TETRACHLORIDE	0.30														
(24) CHLOROBENZENE	50	40.0000			40.0000	56.0000	33.0000	24.0000	30.0000	29.0000	28.0000	26.0000	9.4163	34.0000	30.0000
(25) CHLOROETHANE (ETHYL CHLORIDE)	NE														
(26) CHLOROFORM (TRICHLOROMETHANE)	0.190														
(27) CHLORODIBROMOMETHANE (DIBROMOCHLOROMETHANE)	NE														
(28) DBCP (1,2-DIBROMO-3-CHLOROPROPANE)	0.0250														
(29) ETHYLENE DIBROMIDE (1,2-DIBROMOETHANE)	0.0004														
(30) O-DICHLOROBENZENE (1,2-DICHLOROBENZENE)	620														
(31) P-DICHLOROBENZENE (1,4-DICHLOROBENZENE)	75	24.0000			29.0000	45.0000				32.0000	34.0000	32.0000	6.3683	32.6667	32.0000
(32) T-1,4-DICHLORO-2-BUTENE	NE														
(33) 1,1-DICHLOROETHANE (ETHYLIDENE CHLORIDE)	700	21.0000	12.0000	12.0000	14.0000	12.0000	10.0000	9.0000	6.0000		5.1000		4.4262	11.2333	12.0000
(34) ETHYLENE DICHLORIDE (1,2-DICHLOROETHANE)	0.380														
(35) VINYLIDENE CHLORIDE (1,1-DICHLOROETHENE) (ETHYLENE)	7														
(36) CIS-1,2-DICHLOROETHENE (CIS-1,2-DICHLOROETHYLENE)	70			6.0000		5.0000							0.5000	5.5000	5.5000
(37) T-1,2-DICHLOROETHENE (TRANS-1,2-DICHLOROETHYLENE)	70									5.3000			0.0000	5.3000	5.3000
(38) PROPYLENE DICHLORIDE (1,2-DICHLOROPROPANE)	0.560														
(39) CIS-1,3-DICHLOROPROPENE	0.2000														
(40) T-1,3-DICHLOROPROPENE	0.2000														
(41) ETHYLBENZENE	29														
(42) METHYL BUTYL KETONE (2-HEXANONE)	NE														
(43) METHYL BROMIDE (BROMOMETHANE)	NE														
(44) METHYL CHLORIDE (CHLOROMETHANE)	NE														
(45) METHYLENE BROMIDE (DIBROMOMETHANE)	NE														
(46) METHYLENE CHLORIDE (DICHLOROMETHANE)	5														
(47) MEK; 2-BUTANE (METHYL ETHYL KETONE)	170														
(48) METHYL IODIDE (IODOMETHANE)	NE														
(49) METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NE														
(50) STYRENE	100														
(51) 1,1,1,2-TETRACHLOROETHANE	NE														
(52) 1,1,2,2-TETRACHLOROETHANE	NE														
(53) TETRACHLOROETHYLENE (TETRACHLOROETHENE) (PERCHLOROETHYLEN	0.70														
(54) TOLUENE	1000														
(55) 1,1,1-TRICHLOROETHANE (METHYLCHLOROFORM)	200														
(56) 1,1,2 TRICHLOROETHANE	NE														
(57) TRICHLOROETHYLENE (TRICHLOROETHENE)	2.80														
(58) CFC-11 (TRICHLOROFLUOROMETHANE)	2100														
(59) 1,2,3-TRICHLOROPROPANE	NE														
(60) VINYL ACETATE	NE												1.2990	11.7500	12.0000
(61) VINYL CHLORIDE	0.0150	13.0000	11.0000			10.0000	13.0000								
(62) XYLENES	530														

WAYNE COUNTY LANDFILL MONITORING WELL #8					
		SAMPLE #1			
CONSTITUENT	NC GW STND (mg/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Cyanide, Total					
Sulfide					
Mercury		0.0012			
Tin					
	NC GW STND (ug/L)				
Acetonitrile					
Acrlein					
Allyl chloride					
Bromobenzene					
2-Butanone					
n-Butylbenzene					
sec-Butylbenzene					
tert-Butylbenzene					
2-Chlorotoluene					
4-Chlorotoluene					
Chloroprene					
1,2-Dibromo-3-chloropropane					
1,3-Dichlorobenzene					
1,3-Dicholoropropane					
2,2-Dicholoropropane					
1,1-Dichloropropene					
Dichlorodifluoromethane					
Diisopropyl ether (DIPE)					
Ethyl methacrylate					
Hexachlorobutadiene					
Isobutanol					
Isopropylbenzene					
4-Isopropyltoluene					
Methacrylonitrile					
Methyl methacrylate					
Methyl-tert-butyl ether (MTBE)					
Naphthalene					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

MW-8 Herb-Pest

WAYNE COUNTY MONITORING WELL #8					
		SAMPLE #1			
HERBICIDES	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
2,4-D					
Silvex					
2,4,5-T					
Dinoseb					
PESTICIDES AND PCBS					
alpha-BHC					
beta-BHC					
gamma-BHC (Lindane)					
Delta-BHC					
Heptachlor					
Aldrin					
Heptachlor epoxide					
Endosulfan I					
Dieldrin					
Endrin					
4,4-DDD					
Endosulfan II					
4,4-DDT					
4,4-DDE					
Endrin aldehyde					
Endosulfan sulfate					
Methoxychlor					
Toxaphene					
Chlordane (tech)					
Aroclor-1221					
Aroclor-1232					
Aroclor-1242					
Aroclor-1248					
Aroclor-1254					
Aroclor-1260					
Propionitrile					
n-Propyl benzene					
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene					
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
1,2,4-Trimethylbenzene					
1,3,5-Trimethylbenzene					
m-,p-Xylene					
0-Xylene					

WAYNE COUNTY: MONITORING WELL #8					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Acenaphthene					
Acenaphthylene					
Acetophenone					
2-Acetylaminofluorene					
4-Aminobiphenyl					
Anthracene					
Benzo[a]anthracene					
Benzo[a]pyrene					
Benzo[b]fluoranthene					
Benzo[g,h,i]perylene					
Benzo[k]fluoranthene					
Benzyl Alcohol					
Bis(2-chloro-1-methylethyl)ether					
Bis(2-chloroethoxy)methane					
Bis(2-chloroethyl)ether					
Bis(2-ethylhexyl)phthalate					
4-Bromophenyl phenyl ether					
Butylbenzylphthalate					
4-Chloroaniline					
Chlorobenzilate					
4-Chloro-3-methylphenol					
2-Chloronaphthalene					
2-Chlorophenol					
4-Chlorophenyl phenyl ether					
Chrysene					
Diallate					
Dibenzo[a,h]anthracene					
Dibenzofuran					
Di-n-butyphthalate					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
3,3'-Dichlorobenzidine					
2,4-Dichlorophenol					
2,6-Dichlorophenol					
Diethylphtalate					
Dimethoate					
p-Dimethylaminoazobenzene					
7,12-Dimethylbenz[a]anthracene					
3,3'-Dimethylbenzidine					
2,4-Dimethylphenol					
Dimethylphthalate					
m-Dinitrobenzene					
4,6-Dinitro-2-methylphenol					
2,4-Dinitrophenol					
2,4-Dinitrotoluene					
2,6-Dinitrotoluene					
Dinoseb					
Di-n-octylphthalate					
Diphenylamine					
Disulfoton					
Ethylmethanesulfonate					
Famphur					
Fluoranthene					
Fluorene					
Hexachlorobenzene					
Hexachlorobutadiene					

WAYNE COUNTY: MONITORING WELL #8					
		SAMPLE #1			
CONSTITUENT	NC GW STND (ug/L)	3/12/98	STANDARD DEVIATION	MEAN	MEDIAN
Hexachloropentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-c,d)pyrene					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Methapyrilene					
Methyl parathion					
3-Methylcholanthrene					
Methylmethanesulfonate					
2-Methylnaphthalene					
2-Methylphenol					
3&4-Methylphenol					
Napthalene					
1,4-Naphthoquinone					
1-Naphthylamine					
2-Naphtylamine					
5-Nitro-o-toluidine					
2-Nitroaniline					
3-Nitroaniline					
4-Nitroaniline					
Nitrobenzene					
2-Nitrophenol					
4-Nitrophenol					
N-Nitroso-di-n-butylamine					
N-nitrosodi-n-propylamine					
N-Nitrosodiethylamine					
N-Nitrosodimethylamine					
N-Nitrosodiphenylamine					
N-Nitrosomethylethylamine					
N-Nitrosopiperidine					
N-Nitrosopyrrolidine					
Parathion					
Pentachflorobenzene					
Pentachloronitrobenzene					
Pentachlorophenol					
Phenacetin					
Phenanthrene					
Phenol					
p-Phenylenediamine					
Phorate					
Pronamide					
Pyrene					
Safrole					
1,2,4,5-Tetrachlorobenzene					
2,3,4,6-Tetrachlorophenol					
Thionazin					
o-Toluidine					
2,4,5-Tricholorphenol					
2,4,6-Trichlorophenol					
0.0.0-Triethylphosphorothioate					
sym-Trinitrobenzene					

Laboratory Data

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: 03/12/98
DATE REPORTED : 04/09/98

REVIEWED BY:

PARAMETERS	Well #1	Well #2	Well #3	Well #4	Well #5	Analysis Date	Analyst	Method Code
PH (field measurement), Units	4.8	6.4	4.2	4.0	5.0	03/12/98	RJH	EPA150.1
Total Cyanide, mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	03/16/98	SWL	SM4500-CN
Mercury, mg/l	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	03/17/98	WTH	EPA7470
Tin, mg/l	<0.100	<0.100	<0.100	<0.100	<0.100	03/31/98	WSW	EPA282.2
Sulfide, mg/l	<1.0	<1.0	<1.0	<1.0	<1.0	03/13/98	WSW	SM4500-S2I
Conductivity (at 25c), uMhos	20	1200	26	220	36	03/16/98	JMH	SM2510B
Temperature, °C	15	11	15	13	14	03/12/98	RJH	SM2550B
Static Water Level, Feet	9.56	4.02	0.00	5.85	3.57	03/12/98	RJH	
Well Depth, feet	26.61	16.71	17.43	19.41	18.82	03/12/98	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: 03/12/98
DATE REPORTED : 04/09/98

REVIEWED BY:

PARAMETERS	Well #6	Well #7	Well #8	Equipment Blank	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.4	4.4	4.4			03/12/98	RJH	EPA150.1
Total Cyanide, mg/l	<0.005	<0.005	<0.005	<0.005		03/16/98	SWL	SM4500-CN
Mercury, mg/l	<0.0005	<0.0005	0.0012	<0.0005		03/17/98	WTH	EPA7470
Tin, mg/l	<0.100	<0.100	<0.100	<0.100		03/31/98	WSW	EPA282.2
Sulfide, mg/l	<1.0	<1.0	<1.0	<1.0		03/13/98	WSW	SM4500-S2I
Conductivity (at 25c), uMhos	210	52	100			03/16/98	JMH	SM2510B
Temperature, °C	11	12	15			03/12/98	RJH	SM2550B
Static Water Level, Feet	4.78	3.66	16.25			03/12/98	RJH	
Well Depth, feet	18.96	19.72	29.78			03/12/98	RJH	

Environment 1, Incorporated

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

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

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

CLIENT ID: 6043

ANALYST: CHS
DATE COLLECTED: 03/12/98
DATE REPORTED: 04/09/98

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260

PARAMETERS, ug/l	Date Analyzed: 03/19/98 Well #1	03/19/98 Well #2	03/17/98 Well #3	03/17/98 Well #4	03/19/98 Well #5
1. Chloromethane	<10	<10	<10	<10	<10
2. Vinyl Chloride	<10	<10	<10	<10	<10
3. Bromomethane	<10	<10	<10	<10	<10
4. Chloroethane	<10	<10	<10	<10	<10
5. Trichlorofluoromethane	<5	<5	<5	<5	<5
6. 1,1-Dichloroethene	<5	<5	<5	<5	<5
7. Acetone	<100	<100	<100	<100	<100
8. Iodomethane	<10	<10	<10	<10	<10
9. Carbon Disulfide	<100	<100	<100	<100	<100
10. Methylene Chloride	<10	<10	<10	<10	<10
11. trans-1,2-Dichloroethene	<5	<5	<5	<5	<5
12. 1,1-Dichloroethane	<5	5.5	<5	<5	<5
13. Vinyl Acetate	<50	<50	<50	<50	<50
14. Cis-1,2-Dichloroethene	<5	<5	<5	<5	<5
15. 2-Butanone	<100	<100	<100	<100	<100
16. Bromochloromethane	<5	<5	<5	<5	<5
17. Chloroform	<5	<5	<5	<5	<5
18. 1,1,1-Trichloroethane	<5	<5	<5	<5	<5
19. Carbon Tetrachloride	<5	<5	<5	<5	<5
20. Benzene	<5	<5	<5	<5	<5
21. 1,2-Dichloroethane	<5	<5	<5	<5	<5
22. Trichloroethene	<5	<5	<5	<5	<5
23. 1,2-Dichloropropane	<5	<5	<5	<5	<5
24. Bromodichloromethane	<5	<5	<5	<5	<5
25. Cis-1,3-Dichloropropene	<5	<5	<5	<5	<5
26. 4-Methyl-2-Pentanone	<50	<50	<50	<50	<50
27. Toluene	<5	<5	<5	<5	<5
28. trans-1,3-Dichloropropene	<5	<5	<5	<5	<5
29. 1,1,2-Trichloroethane	<5	<5	<5	<5	<5
30. Tetrachloroethene	<5	<5	<5	<5	<5
31. 2-Hexanone	<50	<50	<50	<50	<50
32. Dibromochloromethane	<5	<5	<5	<5	<5
33. 1,2-Dibromomethane	<5	<5	<5	<5	<5
34. Chlorobenzene	<5	28	<5	<5	<5
35. 1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5
36. Ethylbenzene	<5	<5	<5	<5	<5
37. Xylenes	<5	<5	<5	<5	<5
38. Dibromomethane	<10	<10	<10	<10	<10
39. Styrene	<5	<5	<5	<5	<5
40. Bromoform	<5	<5	<5	<5	<5
41. 1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5
42. 1,2,3-Trichloropropane	<15	<15	<15	<15	<15
43. 1,4-Dichlorobenzene	<5	<5	<5	<5	<5
44. 1,2-Dichlorobenzene	<5	<5	<5	<5	<5
45. 1,2-Dibromo-3-Chloropropane	<25	<25	<25	<25	<25
46. Acrylonitrile	<200	<200	<200	<200	<200
47. trans-1,4-Dichloro-2-Butene	<100	<100	<100	<100	<100

Environment 1, Incorporated

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

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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: 03/12/98
DATE REPORTED: 04/09/98

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260

PARAMETERS, ug/l — Date Analyzed:	03/19/98 Well #1	03/19/98 Well #2	03/17/98 Well #3	03/17/98 Well #4	03/19/98 Well #5
48. Acrolein	<100	<100	<100	<100	<100
49. Allyl Chloride	<10	<10	<10	<10	<10
50. Chloroprene	<20	<20	<20	<20	<20
51. 1,3-Dichlorobenzene	<5	<5	<5	<5	<5
52. Dichlorodifluoromethane	<5	<5	<5	<5	<5
53. 1,3-Dichloropropane	<5	<5	<5	<5	<5
54. 2,2-Dichloropropane	<15	<15	<15	<15	<15
55. 1,1-Dichloropropene	<5	<5	<5	<5	<5
56. Ethyl Methacrylate	<10	<10	<10	<10	<10
57. Hexachlorobutadine	<10	<10	<10	<10	<10
58. Isobutyl Alcohol	<100	<100	<100	<100	<100
59. Methacrylonitrile	<100	<100	<100	<100	<100
60. Methyl Metecrylate	<30	<30	<30	<30	<30
61. Naphthalene	<5	<5	<5	<5	<5
62. Propionitrile	<150	<150	<150	<150	<150
63. 1,2,4-Trichlorobenzene	<10	<10	<10	<10	<10
64. Acetonitrile	<100	<100	<100	<100	<100

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REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260

PARAMETERS, ug/l — Date Analyzed:	03/17/98 Well #6	03/19/98 Well #7	03/19/98 Well #8	03/19/98 Equipment Blank	03/19/98 Trip Blank
1. Chloromethane	<10	<10	<10	<10	<10
2. Vinyl Chloride	<10	<10	<10	<10	<10
3. Bromomethane	<10	<10	<10	<10	<10
4. Chloroethane	<10	<10	<10	<10	<10
5. Trichlorofluoromethane	<5	<5	<5	<5	<5
6. 1,1-Dichloroethene	<5	<5	<5	<5	<5
7. Acetone	<100	<100	<100	<100	<100
8. Iodomethane	<10	<10	<10	<10	<10
9. Carbon Disulfide	<100	<100	<100	<100	<100
10. Methylene Chloride	<10	<10	<10	<10	<10
11. trans-1,2-Dichloroethene	<5	<5	<5	<5	<5
12. 1,1-Dichloroethane	<5	<5	<5	<5	<5
13. Vinyl Acetate	<50	<50	<50	<50	<50
14. Cis-1,2-Dichloroethene	<5	<5	<5	<5	<5
15. 2-Butanone	<100	<100	<100	<100	<100
16. Bromochloromethane	<5	<5	<5	<5	<5
17. Chloroform	<5	<5	<5	<5	<5
18. 1,1,1-Trichloroethane	<5	<5	<5	<5	<5
19. Carbon Tetrachloride	<5	<5	<5	<5	<5
20. Benzene	<5	<5	<5	<5	<5
21. 1,2-Dichloroethane	<5	<5	<5	<5	<5
22. Trichloroethene	<5	<5	<5	<5	<5
23. 1,2-Dichloropropane	<5	<5	<5	<5	<5
24. Bromodichloromethane	<5	<5	<5	<5	<5
25. Cis-1,3-Dichloropropene	<5	<5	<5	<5	<5
26. 4-Methyl-2-Pentanone	<50	<50	<50	<50	<50
27. Toluene	<5	<5	<5	<5	<5
28. trans-1,3-Dichloropropene	<5	<5	<5	<5	<5
29. 1,1,2-Trichloroethane	<5	<5	<5	<5	<5
30. Tetrachloroethene	<5	<5	<5	<5	<5
31. 2-Hexanone	<50	<50	<50	<50	<50
32. Dibromochloromethane	<5	<5	<5	<5	<5
33. 1,2-Dibromomethane	<5	<5	<5	<5	<5
34. Chlorobenzene	5.9	<5	26	<5	<5
35. 1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5
36. Ethylbenzene	8.3	<5	<5	<5	<5
37. Xylenes	89	<5	<5	<5	<5
38. Dibromomethane	<10	<10	<10	<10	<10
39. Styrene	<5	<5	<5	<5	<5
40. Bromoform	<5	<5	<5	<5	<5
41. 1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5
42. 1,2,3-Trichloropropane	<15	<15	<15	<15	<15
43. 1,4-Dichlorobenzene	7.2	<5	32	<5	<5
44. 1,2-Dichlorobenzene	<5	<5	<5	<5	<5
45. 1,2-Dibromo-3-Chloropropane	<25	<25	<25	<25	<25
46. Acrylonitrile	<200	<200	<200	<200	<200
47. trans-1,4-Dichloro-2-Butene	<100	<100	<100	<100	<100

Environment 1, Incorporated

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

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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: 03/12/98
DATE REPORTED: 04/09/98

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260

PARAMETERS, ug/l — Date Analyzed:	03/17/98 Well #6	03/19/98 Well #7	03/19/98 Well #8	03/19/98 Equipment Blank	03/19/98 Trip Blank
48. Acrolein	<100	<100	<100	<100	<100
49. Allyl Chloride	<10	<10	<10	<10	<10
50. Chloroprene	<20	<20	<20	<20	<20
51. 1,3-Dichlorobenzene	<5	<5	<5	<5	<5
52. Dichlorodifluoromethane	<5	<5	<5	<5	<5
53. 1,3-Dichloropropane	<5	<5	<5	<5	<5
54. 2,2-Dichloropropane	<15	<15	<15	<15	<15
55. 1,1-Dichloropropene	<5	<5	<5	<5	<5
56. Ethyl Methacrylate	<10	<10	<10	<10	<10
57. Hexachlorobutadine	<10	<10	<10	<10	<10
58. Isobutyl Alcohol	<100	<100	<100	<100	<100
59. Methacrylonitrile	<100	<100	<100	<100	<100
60. Methyl Metecrylate	<30	<30	<30	<30	<30
61. Naphthalene	<5	<5	<5	<5	<5
62. Propionitrile	<150	<150	<150	<150	<150
63. 1,2,4-Trichlorobenzene	<10	<10	<10	<10	<10
64. Acetonitrile	<100	<100	<100	<100	<100

Environment 1, Incorporated

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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: 03/12/98
DATE EXTRACTED: 03/13/98
DATE ANALYZED: 04/02/98
DATE REPORTED: 04/09/98

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270

PARAMETERS, ug/l	Well #1	Well #2	Well #3	Well #4	Well #5
1. Acenaphthene	<10	<10	<10	<10	<10
2. Acenaphthylene	<10	<10	<10	<10	<10
3. Anthracene	<10	<10	<10	<10	<10
4. Benzo[a]antrhacene	<10	<10	<10	<10	<10
5. Benzo[b]fluoranthene	<10	<10	<10	<10	<10
6. Benzo[k]fluoranthene	<10	<10	<10	<10	<10
7. Benzo[g,h,i]perylene	<10	<10	<10	<10	<10
8. Benzo[a]pyrene	<10	<10	<10	<10	<10
9. 4-Bromophenyl Phenyl Ether	<10	<10	<10	<10	<10
10. Butyl Benzyl Phthalate	<10	<10	<10	<10	<10
11. Bis-(2-Chloroethoxy) Methane	<10	<10	<10	<10	<10
12. Bis-(2-Chloroethyl) Ether	<10	<10	<10	<10	<10
13. Bis-(2-Chloroisopropyl) Ether	<10	<10	<10	<10	<10
14. 2-Chloronaphthalene	<10	<10	<10	<10	<10
15. 4-Chlorophenyl Phenyl Ether	<10	<10	<10	<10	<10
16. Crysene	<10	<10	<10	<10	<10
17. Dibenz[a,h]anthracene	<10	<10	<10	<10	<10
18. Di-N-Butyl Phthalate	<10	<10	<10	<10	<10
19. Dimethyl Phthalate	<10	<10	<10	<10	<10
20. Diethyl Phthalate	<10	<10	<10	<10	<10
21. 2,4-Dinitrotoluene	<10	<10	<10	<10	<10
22. 2,6-Dinitrotoluene	<10	<10	<10	<10	<10
23. Di-N-Octyl Phthalate	<10	<10	<10	<10	<10
24. Bis-(2-Ethylhexyl) Phthalate	34	<20	33	<20	<20
25. Fluoranthene	<10	<10	<10	<10	<10
26. Fluorene	<10	<10	<10	<10	<10
27. Hexachlorobenzene	<10	<10	<10	<10	<10
28. Hexachlorocyclopentadiene	<10	<10	<10	<10	<10
29. Indeno[1,2,3-Cd]pyrene	<10	<10	<10	<10	<10
30. Isophorone	<10	<10	<10	<10	<10
31. Nitrobenzene	<10	<10	<10	<10	<10
32. N-Nitrosodimethylamine	<10	<10	<10	<10	<10
33. N-Nitrosodiphenylamine	<10	<10	<10	<10	<10
34. N-Nitrosodi-N-Propylamine	<10	<10	<10	<10	<10
35. Phenanthrene	<10	<10	<10	<10	<10
36. Pyrene	<10	<10	<10	<10	<10
37. 4-Chloro-3-Methylphenol	<20	<20	<20	<20	<20
38. 2-Chlorophenol	<10	<10	<10	<10	<10
39. O-Cresol	<10	<10	<10	<10	<10
40. P-Cresol	<10	<10	<10	<10	<10
41. 2,4-Dichlorophenol	<10	<10	<10	<10	<10
42. 2,6-Dichlorophenol	<10	<10	<10	<10	<10
43. 2,4-Dimethylphenol	<10	<10	<10	<10	<10
44. 4,6-Dinitro-2-Methylphenol	<50	<50	<50	<50	<50
45. 2,4-Dinitrophenol	<50	<50	<50	<50	<50
46. Ethyl Methanesulfonate	<10	<10	<10	<10	<10
47. Methyl Methanesulfonate	<10	<10	<10	<10	<10
48. 2-Nitrophenol	<10	<10	<10	<10	<10

Environment 1, Incorporated

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GREENVILLE, N.C. 27835-7085

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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: 03/12/98
DATE EXTRACTED: 03/13/98
DATE ANALYZED: 04/02/98
DATE REPORTED: 04/09/98

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270

PARAMETERS, ug/l	Well #1	Well #2	Well #3	Well #4	Well #5
49. 4-Nitrophenol	<50	<50	<50	<50	<50
50. Pentachlorophenol	<50	<50	<50	<50	<50
51. Phenol	<10	<10	<10	<10	<10
52. 2,3,4,6-Tetrachlorophenol	<10	<10	<10	<10	<10
53. 2,4,5-Trichlorophenol	<10	<10	<10	<10	<10
54. 2,4,6-Trichlorophenol	<10	<10	<10	<10	<10
55. Acetophenone	<10	<10	<10	<10	<10
56. 2-Acetylaminofluorene	<20	<20	<20	<20	<20
57. 4-Aminobiphenyl	<20	<20	<20	<20	<20
58. Benzyl Alcohol	<20	<20	<20	<20	<20
59. 4-Chloroaniline	<20	<20	<20	<20	<20
60. Chlorobenzilate	<10	<10	<10	<10	<10
61. Diallate	<10	<10	<10	<10	<10
62. Dibenzofuran	<10	<10	<10	<10	<10
63. 3,3-Dichlorobenzidine	<10	<10	<10	<10	<10
64. Dimethoate	<20	<20	<20	<20	<20
65. P-Dimethylaminoazobenzene	<20	<20	<20	<20	<20
66. 7,12-Dimethylbenz[a]anthracene	<10	<10	<10	<10	<10
67. 3,3-Dimethylbenzadine	<10	<10	<10	<10	<10
68. 1,3-Dinitrobenzene	<10	<10	<10	<10	<10
69. Diphenylamine	<20	<20	<20	<20	<20
70. Disulfoton	<10	<10	<10	<10	<10
71. Famphur	<10	<10	<10	<10	<10
72. Hexachloropropene	<20	<20	<20	<20	<20
73. Isosafrole	<10	<10	<10	<10	<10
74. Kepone	<10	<10	<10	<10	<10
75. Methapryilene	<20	<20	<20	<20	<20
76. 3-Methylchloroanthrene	<100	<100	<100	<100	<100
77. 2-Methylnaphthalene	<10	<10	<10	<10	<10
78. Methyl Parathion	<10	<10	<10	<10	<10
79. m-Cresol	<10	<10	<10	<10	<10
80. 1,4-Naphthoquinone	<10	<10	<10	<10	<10
81. 1-Naphthylamine	<10	<10	<10	<10	<10
82. 2-Naphthylamine	<10	<10	<10	<10	<10
83. 2-Nitroaniline	<10	<10	<10	<10	<10
84. 3-Nitroaniline	<50	<50	<50	<50	<50
85. 4-Nitroaniline	<50	<50	<50	<50	<50
86. 5-Nitro-O-Toluidine	<20	<20	<20	<20	<20
87. N-Nitrosodi-n-butylamine	<10	<10	<10	<10	<10
88. N-Nitrosodiethylamine	<10	<10	<10	<10	<10
89. N-Nitrosomethylethalamine	<20	<20	<20	<20	<20
90. N-Nitrosopiperidine	<10	<10	<10	<10	<10
91. N-Nitrosopyrrolidine	<20	<20	<20	<20	<20
92. Parathion	<40	<40	<40	<40	<40
93. Pentachlorobenzene	<10	<10	<10	<10	<10
94. Pentachloronitrobenzene	<10	<10	<10	<10	<10
95. Phenacetin	<50	<50	<50	<50	<50
96. 1,4 Benzenediamine	<20	<20	<20	<20	<20
	<10	<10	<10	<10	<10

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CLIENT ID: 6043

ANALYST: CHS
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REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270

PARAMETERS, ug/l	Well #1	Well #2	Well #3	Well #4	Well #5
97. Phorate	<10	<10	<10	<10	<10
98. Pronamide	<10	<10	<10	<10	<10
99. Safrole	<10	<10	<10	<10	<10
100. 1,2,4,5-Tetrachlorobenzene	<10	<10	<10	<10	<10
101. Thionazin	<20	<20	<20	<20	<20
102. O-Toluidine	<10	<10	<10	<10	<10
103. 1,3,5-Trinitrobenzene	<10	<10	<10	<10	<10
104. 0,0,0-Triethyl Phosphorothioate	<10	<10	<10	<10	<10
105. Hexachloroethane	<10	<10	<10	<10	<10
106. Isodrin	<100	<100	<100	<100	<100

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ANALYST: CHS
DATE COLLECTED: 03/12/98
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REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270

PARAMETERS, ug/l	Well #6	Well #7	Well #8	Equipment Blank
1. Acenaphthene	<10	<10	<10	<10
2. Acenaphthylene	<10	<10	<10	<10
3. Anthracene	<10	<10	<10	<10
4. Benzo[a]antrhacene	<10	<10	<10	<10
5. Benzo[b]fluoranthene	<10	<10	<10	<10
6. Benzo[k]fluoranthene	<10	<10	<10	<10
7. Benzo[g,h,i]perylene	<10	<10	<10	<10
8. Benzo[a]pyrene	<10	<10	<10	<10
9. 4-Bromophenyl Phenyl Ether	<10	<10	<10	<10
10. Butyl Benzyl Phthalate	<10	<10	<10	<10
11. Bis-(2-Chloroethoxy) Methane	<10	<10	<10	<10
12. Bis-(2-Chloroethyl) Ether	<10	<10	<10	<10
13. Bis-(2-Chloroisopropyl) Ether	<10	<10	<10	<10
14. 2-Chloronaphthalene	<10	<10	<10	<10
15. 4-Chlorophenyl Phenyl Ether	<10	<10	<10	<10
16. Crysene	<10	<10	<10	<10
17. Dibenz[a,h]anthracene	<10	<10	<10	<10
18. Di-N-Butyl Phthalate	<10	<10	<10	<10
19. Dimethyl Phthalate	<10	<10	<10	<10
20. Diethyl Phthalate	<10	<10	<10	<10
21. 2,4-Dinitrotoluene	<10	<10	<10	<10
22. 2,6-Dinitrotoluene	<10	<10	<10	<10
23. Di-N-Octyl Phthalate	<10	<10	<10	<10
24. Bis-(2-Ethylhexyl) Phthalate	<20	<20	<20	<20
25. Fluoranthene	<10	<10	<10	<10
26. Fluorene	<10	<10	<10	<10
27. Hexachlorobenzene	<10	<10	<10	<10
28. Hexachlorocyclopentadiene	<10	<10	<10	<10
29. Indeno[1,2,3-Cd]pyrene	<10	<10	<10	<10
30. Isophorone	<10	<10	<10	<10
31. Nitrobenzene	<10	<10	<10	<10
32. N-Nitrosodimethylamine	<10	<10	<10	<10
33. N-Nitrosodiphenylamine	<10	<10	<10	<10
34. N-Nitrosodi-N-Propylamine	<10	<10	<10	<10
35. Phenanthrene	<10	<10	<10	<10
36. Pyrene	<10	<10	<10	<10
37. 4-Chloro-3-Methylphenol	<20	<20	<20	<20
38. 2-Chlorophenol	<10	<10	<10	<10
39. O-Cresol	<10	<10	<10	<10
40. P-Cresol	<10	<10	<10	<10
41. 2,4-Dichlorophenol	<10	<10	<10	<10
42. 2,6-Dichlorophenol	<10	<10	<10	<10
43. 2,4-Dimethylphenol	<10	<10	<10	<10
44. 4,6-Dinitro-2-Methylphenol	<50	<50	<50	<50
45. 2,4-Dinitrophenol	<50	<50	<50	<50
46. Ethyl Methanesulfonate	<10	<10	<10	<10
47. Methyl Methanesulfonate	<10	<10	<10	<10
48. 2-Nitrophenol	<10	<10	<10	<10

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: 03/12/98
DATE EXTRACTED: 03/13/98
DATE ANALYZED: 04/02/98
DATE REPORTED: 04/09/98

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270

PARAMETERS, ug/l	Well #6	Well #7	Well #8	Equipment Blank
49. 4-Nitrophenol	<50	<50	<50	<50
50. Pentachlorophenol	<50	<50	<50	<50
51. Phenol	<10	<10	<10	<10
52. 2,3,4,6-Tetrachlorophenol	<10	<10	<10	<10
53. 2,4,5-Trichlorophenol	<10	<10	<10	<10
54. 2,4,6-Trichlorophenol	<10	<10	<10	<10
55. Acetophenone	<10	<10	<10	<10
56. 2-Acetylaminofluorene	<20	<20	<20	<20
57. 4-Aminobiphenyl	<20	<20	<20	<20
58. Benzyl Alcohol	<20	<20	<20	<20
59. 4-Chloroaniline	<20	<20	<20	<20
60. Chlorobenzilate	<10	<10	<10	<10
61. Diallate	<10	<10	<10	<10
62. Dibenzofuran	<10	<10	<10	<10
63. 3,3-Dichlorobenzidine	<20	<20	<20	<20
64. Dimethoate	<20	<20	<20	<20
65. P-Dimethylaminoazobenzene	<10	<10	<10	<10
66. 7,12-Dimethylbenz[a]anthracene	<10	<10	<10	<10
67. 3,3-Dimethylbenzadine	<10	<10	<10	<10
68. 1,3-Dinitrobenzene	<20	<20	<20	<20
69. Diphenylamine	<10	<10	<10	<10
70. Disulfoton	<10	<10	<10	<10
71. Famphur	<20	<20	<20	<20
72. Hexachloropropene	<10	<10	<10	<10
73. Isosafrole	<10	<10	<10	<10
74. Kepone	<20	<20	<20	<20
75. Methapryilene	<100	<100	<100	<100
76. 3-Methylchloroanthrene	<10	<10	<10	<10
77. 2-Methylnaphthalene	<10	<10	<10	<10
78. Methyl Parathion	<10	<10	<10	<10
79. m-Cresol	<10	<10	<10	<10
80. 1,4-Naphthoquinone	<10	<10	<10	<10
81. 1-Naphthylamine	<10	<10	<10	<10
82. 2-Naphthylamine	<10	<10	<10	<10
83. 2-Nitroaniline	<50	<50	<50	<50
84. 3-Nitroaniline	<50	<50	<50	<50
85. 4-Nitroaniline	<20	<20	<20	<20
86. 5-Nitro-O-Toluidine	<10	<10	<10	<10
87. N-Nitrosodi-n-butylamine	<10	<10	<10	<10
88. N-Nitrosodiethylamine	<20	<20	<20	<20
89. N-Nitrosomethylethalamine	<10	<10	<10	<10
90. N-Nitrosopiperidine	<20	<20	<20	<20
91. N-Nitrosopyrrolidine	<40	<40	<40	<40
92. Parathion	<10	<10	<10	<10
93. Pentachlorobenzene	<10	<10	<10	<10
94. Pentachloronitrobenzene	<50	<50	<50	<50
95. Phenacetin	<20	<20	<20	<20
96. 1,4 Benzenediamine	<10	<10	<10	<10

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: 03/12/98
DATE EXTRACTED: 03/13/98
DATE ANALYZED: 04/02/98
DATE REPORTED: 04/09/98

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270

PARAMETERS, ug/l	Well #6	Well #7	Well #8	Equipment Blank
97. Phorate	<10	<10	<10	<10
98. Pronamide	<10	<10	<10	<10
99. Safrole	<10	<10	<10	<10
100. 1,2,4,5-Tetrachlorobenzene	<10	<10	<10	<10
101. Thionazin	<20	<20	<20	<20
102. O-Toluidine	<10	<10	<10	<10
103. 1,3,5-Trinitrobenzene	<10	<10	<10	<10
104. 0,0,0-Triethyl Phosphorothioate	<10	<10	<10	<10
105. Hexachloroethane	<10	<10	<10	<10
106. Isodrin	<100	<100	<100	<100

Environment 1, Incorporated

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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: 03/12/98
DATE EXTRACTED: 03/13/98
DATE REPORTED: 04/09/98

REVIEWED BY:

PESTICIDES AND PCB'S
EPA METHOD 8081

Date Analyzed: / PARAMETERS, ug/l	03/18/98 Well #1	03/18/98 Well #2	03/18/98 Well #3	03/18/98 Well #4	03/18/98 Well #5
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	<0.5	<0.5	<0.5	<0.5	<0.5
7. 4,4-DDD	<0.1	<0.1	<0.1	<0.1	<0.1
8. 4,4-DDE	<0.1	<0.1	<0.1	<0.1	<0.1
9. 4,4-DDT	<0.1	<0.1	<0.1	<0.1	<0.1
10. Dieldrin	<0.1	<0.1	<0.1	<0.1	<0.1
11. Endosulfan I	<0.1	<0.1	<0.1	<0.1	<0.1
12. Endosulfan II	<0.1	<0.1	<0.1	<0.1	<0.1
13. Endosulfan Sulfate	<0.1	<0.1	<0.1	<0.1	<0.1
14. Endrin	<0.1	<0.1	<0.1	<0.1	<0.1
15. Endrin Aldehyde	<0.1	<0.1	<0.1	<0.1	<0.1
16. Heptachlor	<0.05	<0.05	<0.05	<0.05	<0.05
17. Hepthchlor Epoxide	<0.1	<0.1	<0.1	<0.1	<0.1
18. Methoxychlor	<1	<1	<1	<1	<1
19. Pcb"s (Aroclors)	<2	<2	<2	<2	<2
20. Toxaphene	<2	<2	<2	<2	<2

Environment 1, Incorporated

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: SKP
DATE COLLECTED: 03/12/98
DATE EXTRACTED: 03/13/98
DATE REPORTED: 04/09/98

REVIEWED BY:

PESTICIDES AND PCB'S
EPA METHOD 8081

Date Analyzed: / PARAMETERS, ug/l	03/19/98 Well #6	03/19/98 Well #7	03/19/98 Well #8	03/19/98 Equipment Blank
1. Aldrin	<0.05	<0.05	<0.05	<0.05
2. Alpha-BHC	<0.05	<0.05	<0.05	<0.05
3. Beta-BHC	<0.05	<0.05	<0.05	<0.05
4. Delta-BHC	<0.05	<0.05	<0.05	<0.05
5. Gamma-BHC (Lindane)	<0.05	<0.05	<0.05	<0.05
6. Chlordane	<0.5	<0.5	<0.5	<0.5
7. 4,4-DDD	<0.1	<0.1	<0.1	<0.1
8. 4,4-DDE	<0.1	<0.1	<0.1	<0.1
9. 4,4-DDT	<0.1	<0.1	<0.1	<0.1
10. Dieldrin	<0.1	<0.1	<0.1	<0.1
11. Endosulfan I	<0.1	<0.1	<0.1	<0.1
12. Endosulfan II	<0.1	<0.1	<0.1	<0.1
13. Endosulfan Sulfate	<0.1	<0.1	<0.1	<0.1
14. Endrin	<0.1	<0.1	<0.1	<0.1
15. Endrin Aldehyde	<0.1	<0.1	<0.1	<0.1
16. Heptachlor	<0.05	<0.05	<0.05	<0.05
17. Hepthchlor Epoxide	<0.1	<0.1	<0.1	<0.1
18. Methoxychlor	<1	<1	<1	<1
19. Pcb"s (Aroclors)	<2	<2	<2	<2
20. Toxaphene	<2	<2	<2	<2

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: MS
DATE COLLECTED: 03/12/98
DATE EXTRACTED: 03/17/98
DATE REPORTED: 04/09/98

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8151A

Date Analyzed: / PARAMETERS, ug/l	03/18/98 Well #1	03/18/98 Well #2	03/18/98 Well #3	03/18/98 Well #4	03/18/98 Well #5
1. 2,4-D, ug/l	<2	<2	<2	<2	<2
2. Dinoseb, ug/l	<1	<1	<1	<1	<1
3. 2,4,5-TP, ug/l	<2	<2	<2	<2	<2
4. 2,4,5-T, ug/l	<2	<2	<2	<2	<2

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: MS
DATE COLLECTED: 03/12/98
DATE EXTRACTED: 03/17/98
DATE REPORTED: 04/09/98

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8151A

Date Analyzed: / PARAMETERS, ug/l	03/18/98 Well #6	03/18/98 Well #7	03/18/98 Well #8	03/19/98 Equipment Blank
1. 2,4-D, ug/l	<2	<2	<2	<2
2. Dinoseb, ug/l	<1	<1	<1	<1
3. 2,4,5-TP, ug/l	<2	<2	<2	<2
4. 2,4,5-T, ug/l	<2	<2	<2	<2

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: 02/11/98
DATE REPORTED : 02/26/98

REVIEWED BY:

PARAMETERS	Well #1	Well #2	Well #3	Well #4	Well #5	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.0	6.0	4.3	4.4	4.4	02/11/98	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030	<0.030	<0.030	<0.030	02/20/98	WSW	EPA7041
Arsenic, mg/l	<0.010	0.011	<0.010	<0.010	<0.010	02/16/98	WSW	EPA7060
Barium, mg/l	<0.500					02/20/98	WTH	EPA7080
		<0.500	<0.500	<0.500	<0.500	02/13/98	WTH	EPA7080
Beryllium, mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	02/18/98	WSW	EPA7091
Cadmium, mg/l	<0.001	<0.001	<0.001	<0.001	0.0014	02/12/98	WSW	EPA7131
Cobalt, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	02/17/98	WSW	EPA7201
Copper, mg/l	<0.200	<0.200	<0.200	<0.200	<0.200	02/12/98	WTH	EPA7210
Total Chromium, mg/l	<0.010	<0.010	0.018	<0.010	0.010	02/12/98	WSW	EPA7191
Lead, mg/l	<0.010	0.016	<0.010	<0.010	<0.010	02/19/98	WSW	EPA7421
Nickel, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	02/12/98	WTH	EPA7520
Selenium, mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	02/12/98	WSW	EPA7740
Silver, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	02/12/98	WSW	EPA7761
Thallium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	02/19/98	WSW	EPA7841
Vanadium, mg/l	<0.040	<0.040	<0.040	<0.040	0.052	02/16/98	WSW	EPA7911
Zinc, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	02/12/98	WTH	EPA7950
Conductivity (at 25c), uMhos	21	1400	35	150	48	02/12/98	JMH	SM2510B
Temperature, °C	17	12	16	15	17	02/11/98	RJH	SM2550B
Static Water Level, Feet	10.44	4.41	0.00	5.94	3.38	02/11/98	RJH	
Well Depth, feet	26.51	16.69	19.44	19.37	18.81	02/11/98	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

MUNICIPAL ENGINEERING
RECEIVED
APR 8 1998

ID#: 6043

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

DATE COLLECTED: 02/11/98
DATE REPORTED : 02/26/98

REVIEWED BY:

PARAMETERS	Well #6	Well #7	Well #8	Surface Water #1	Surface Water #2	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.5	4.6	4.4	7.0	5.6	02/11/98	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030	<0.030	<0.030	<0.030	02/20/98	WSW	EPA7041
Arsenic, mg/l	<0.010	0.010	<0.010	<0.010	<0.010	02/16/98	WSW	EPA7060
Barium, mg/l	<0.500	<0.500	<0.500	0.589	<0.500	02/13/98	WTH	EPA7080
Beryllium, mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	02/18/98	WSW	EPA7091
Cadmium, mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	02/12/98	WSW	EPA7131
Cobalt, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	02/17/98	WSW	EPA7201
Copper, mg/l	<0.200	<0.200	<0.200	<0.200	<0.200	02/12/98	WTH	EPA7210
Total Chromium, mg/l	0.052	0.060	0.033	<0.010	<0.010	02/12/98	WSW	EPA7191
Lead, mg/l	0.029	0.031	0.014	<0.010	0.013	02/19/98	WSW	EPA7421
Nickel, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	02/12/98	WTH	EPA7520
Selenium, mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	02/12/98	WSW	EPA7740
Silver, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	02/12/98	WSW	EPA7761
Thallium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	02/19/98	WSW	EPA7841
Vanadium, mg/l	0.075	0.162	<0.040	<0.040	<0.040	02/16/98	WSW	EPA7911
Zinc, mg/l	<0.050	<0.050	<0.050	<0.050		02/12/98	WTH	EPA7950
					0.061	02/19/98	WTH	EPA7950
Conductivity (at 25c), uMhos	240	72	72	2200	140	02/12/98	JMH	SM2510B
Temperature, °C	12	13	17	10	14	02/11/98	RJH	SM2550B
Static Water Level, Feet	4.82	3.76	16.88			02/11/98	RJH	
Well Depth, feet	18.83	19.63	29.84			02/11/98	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

MUNICIPAL ENGINEERING
RECEIVED

ID#: 6043

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

DATE COLLECTED: 02/11/98
DATE REPORTED : 02/26/98

REVIEWED BY:

PARAMETERS	Surface Water #3	Equipment Blank	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.6			02/11/98	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030		02/20/98	WSW	EPA7041
Arsenic, mg/l	0.015	<0.010		02/16/98	WSW	EPA7060
Barium, mg/l	1.199	<0.500		02/13/98	WTH	EPA7080
Beryllium, mg/l	<0.002	<0.002		02/18/98	WSW	EPA7091
Cadmium, mg/l	0.0035	<0.001		02/12/98	WSW	EPA7131
Cobalt, mg/l	<0.010	<0.010		02/17/98	WSW	EPA7201
Copper, mg/l	<0.200	<0.200		02/12/98	WTH	EPA7210
Total Chromium, mg/l	0.025	<0.010		02/12/98	WSW	EPA7191
Lead, mg/l	0.020	<0.010		02/19/98	WSW	EPA7421
Nickel, mg/l	<0.050	<0.050		02/12/98	WTH	EPA7520
Selenium, mg/l	<0.020	<0.020		02/12/98	WSW	EPA7740
Silver, mg/l	<0.010	<0.010		02/12/98	WSW	EPA7761
Thallium, mg/l	<0.010	<0.010		02/19/98	WSW	EPA7841
Vanadium, mg/l	<0.040	<0.040		02/16/98	WSW	EPA7911
Zinc, mg/l	0.128	<0.050		02/12/98	WTH	EPA7950
Conductivity (at 25c), uMhos	910			02/12/98	JMH	SM2510B
Temperature, °C	12			02/11/98	RJH	SM2550B

Environment 1, Incorporated

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

PHONE (252) 756-6208
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MUNICIPAL ENGINEERING
RECEIVED
APR 8 1998

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

CLIENT ID: 6043

ANALYST: CHS
DATE COLLECTED: 02/11/98
DATE ANALYZED: 02/24/98
DATE REPORTED: 02/26/98

Page: 1

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VOLATILE ORGANICS
EPA METHOD 8260

PARAMETERS, ug/l	Well #1	Well #2	Well #3	Well #4	Well #5
1. Chloromethane	<10	<10	<10	<10	<10
2. Vinyl Chloride	<10	<10	<10	<10	<10
3. Bromomethane	<10	<10	<10	<10	<10
4. Chloroethane	<10	<10	<10	<10	<10
5. Trichlorofluoromethane	<5	<5	<5	<5	<5
6. 1,1-Dichloroethene	<5	<5	<5	<5	<5
7. Acetone	<100	<100	<100	<100	<100
8. Iodomethane	<10	<10	<10	<10	<10
9. Carbon Disulfide	<100	<100	<100	<100	<100
10. Methylene Chloride	<10	<10	<10	<10	<10
11. trans-1,2-Dichloroethene	<5	<5	<5	<5	<5
12. 1,1-Dichloroethane	<5	<5	<5	<5	<5
13. Vinyl Acetate	<50	<50	<50	<50	<50
14. Cis-1,2-Dichloroethene	<5	<5	<5	<5	<5
15. 2-Butanone	<100	<100	<100	<100	<100
16. Bromochloromethane	<5	<5	<5	<5	<5
17. Chloroform	<5	<5	<5	<5	<5
18. 1,1,1-Trichloroethane	<5	<5	<5	<5	<5
19. Carbon Tetrachloride	<5	<5	<5	<5	<5
20. Benzene	<5	<5	<5	<5	<5
21. 1,2-Dichloroethane	<5	<5	<5	<5	<5
22. Trichloroethene	<5	<5	<5	<5	<5
23. 1,2-Dichloropropane	<5	<5	<5	<5	<5
24. Bromodichloromethane	<5	<5	<5	<5	<5
25. Cis-1,3-Dichloropropene	<5	<5	<5	<5	<5
26. 4-Methyl-2-Pentanone	<50	<50	<50	<50	<50
27. Toluene	<5	<5	<5	<5	<5
28. trans-1,3-Dichloropropene	<5	<5	<5	<5	<5
29. 1,1,2-Trichloroethane	<5	<5	<5	<5	<5
30. Tetrachloroethene	<5	<5	<5	<5	<5
31. 2-Hexanone	<50	<50	<50	<50	<50
32. Dibromochloromethane	<5	<5	<5	<5	<5
33. 1,2-Dibromoethane	<5	<5	<5	<5	<5
34. Chlorobenzene	<5	25	<5	<5	<5
35. 1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5
36. Ethylbenzene	<5	<5	<5	<5	<5
37. Xylenes	<5	<5	<5	<5	<5
38. Dibromomethane	<10	<10	<10	<10	<10
39. Styrene	<5	<5	<5	<5	<5
40. Bromoform	<5	<5	<5	<5	<5
41. 1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5
42. 1,2,3-Trichloropropane	<15	<15	<15	<15	<15
43. 1,4-Dichlorobenzene	<5	<5	<5	<5	<5
44. 1,2-Dichlorobenzene	<5	<5	<5	<5	<5
45. 1,2-Dibromo-3-Chloropropane	<25	<25	<25	<25	<25
46. Acrylonitrile	<200	<200	<200	<200	<200
47. trans-1,4-Dichloro-2-Butene	<100	<100	<100	<100	<100

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Environment 1, Incorporated

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

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MUNICIPAL ENGINEERING
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APR 8 1998

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

CLIENT ID: 6043

ANALYST: CHS
DATE COLLECTED: 02/11/98
DATE ANALYZED: 02/24/98
DATE REPORTED: 02/26/98

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260

PARAMETERS, ug/l	Well #6	Well #7	Well #8	Surface Water #1	Surface Water #2
1. Chloromethane	<10	<10	<10	<10	<10
2. Vinyl Chloride	<10	<10	<10	<10	<10
3. Bromomethane	<10	<10	<10	<10	<10
4. Chloroethane	<10	<10	<10	<10	<10
5. Trichlorofluoromethane	<5	<5	<5	<5	<5
6. 1,1-Dichloroethene	<5	<5	<5	<5	<5
7. Acetone	<100	<100	<100	<100	<100
8. Iodomethane	<10	<10	<10	<10	<10
9. Carbon Disulfide	<100	<100	<100	<100	<100
10. Methylene Chloride	<10	<10	<10	<10	<10
11. trans-1,2-Dichloroethene	<5	<5	<5	<5	<5
12. 1,1-Dichloroethane	<5	<5	5.1	<5	<5
13. Vinyl Acetate	<50	<50	<50	<50	<50
14. Cis-1,2-Dichloroethene	<5	<5	<5	<5	<5
15. 2-Butanone	<100	<100	<100	<100	<100
16. Bromochloromethane	<5	<5	<5	<5	<5
17. Chloroform	<5	<5	<5	<5	<5
18. 1,1,1-Trichloroethane	<5	<5	<5	<5	<5
19. Carbon Tetrachloride	<5	<5	<5	<5	<5
20. Benzene	<5	<5	<5	<5	<5
21. 1,2-Dichloroethane	<5	<5	<5	<5	<5
22. Trichloroethene	<5	<5	<5	<5	<5
23. 1,2-Dichloropropane	<5	<5	<5	<5	<5
24. Bromodichloromethane	<5	<5	<5	<5	<5
25. Cis-1,3-Dichloropropene	<5	<5	<5	<5	<5
26. 4-Methyl-2-Pentanone	<50	<50	<50	<50	<50
27. Toluene	<5	<5	<5	<5	<5
28. trans-1,3-Dichloropropene	<5	<5	<5	<5	<5
29. 1,1,2-Trichloroethane	<5	<5	<5	<5	<5
30. Tetrachloroethene	<5	<5	<5	<5	<5
31. 2-Hexanone	<50	<50	<50	<50	<50
32. Dibromochloromethane	<5	<5	<5	<5	<5
33. 1,2-Dibromoethane	<5	<5	<5	<5	<5
34. Chlorobenzene	<5	<5	28	<5	<5
35. 1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5
36. Ethylbenzene	10.6	<5	<5	<5	<5
37. Xylenes	66	<5	<5	<5	<5
38. Dibromomethane	<10	<10	<10	<10	<10
39. Styrene	<5	<5	<5	<5	<5
40. Bromoform	<5	<5	<5	<5	<5
41. 1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5
42. 1,2,3-Trichloropropane	<15	<15	<15	<15	<15
43. 1,4-Dichlorobenzene	6.2	<5	34	<5	<5
44. 1,2-Dichlorobenzene	<5	<5	<5	<5	<5
45. 1,2-Dibromo-3-Chloropropane	<25	<25	<25	<25	<25
46. Acrylonitrile	<200	<200	<200	<200	<200
47. trans-1,4-Dichloro-2-Butene	<100	<100	<100	<100	<100

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Environment 1, Incorporated

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GREENVILLE, N.C. 27835-7085

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MUNICIPAL ENGINEERING
RECEIVED
APR 8 1998
SERVICES COMPANY

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

CLIENT ID: 6043

ANALYST: CHS
DATE COLLECTED: 02/11/98
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REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260

PARAMETERS, ug/l	Surface Water #3	Equipment Blank	Trip Blank
1. Chloromethane	<10	<10	<10
2. Vinyl Chloride	<10	<10	<10
3. Bromomethane	<10	<10	<10
4. Chloroethane	<10	<10	<10
5. Trichlorofluoromethane	<5	<5	<5
6. 1,1-Dichloroethene	<5	<5	<5
7. Acetone	<100	<100	<100
8. Iodomethane	<10	<10	<10
9. Carbon Disulfide	<100	<100	<100
10. Methylene Chloride	<10	<10	<10
11. trans-1,2-Dichloroethene	<5	<5	<5
12. 1,1-Dichloroethane	<5	<5	<5
13. Vinyl Acetate	<50	<50	<50
14. Cis-1,2-Dichloroethene	<5	<5	<5
15. 2-Butanone	<100	<100	<100
16. Bromochloromethane	<5	<5	<5
17. Chloroform	<5	<5	<5
18. 1,1,1-Trichloroethane	<5	<5	<5
19. Carbon Tetrachloride	<5	<5	<5
20. Benzene	<5	<5	<5
21. 1,2-Dichloroethane	<5	<5	<5
22. Trichloroethene	<5	<5	<5
23. 1,2-Dichloropropane	<5	<5	<5
24. Bromodichloromethane	<5	<5	<5
25. Cis-1,3-Dichloropropene	<5	<5	<5
26. 4-Methyl-2-Pentanone	<50	<50	<50
27. Toluene	<5	<5	<5
28. trans-1,3-Dichloropropene	<5	<5	<5
29. 1,1,2-Trichloroethane	<5	<5	<5
30. Tetrachloroethene	<5	<5	<5
31. 2-Hexanone	<50	<50	<50
32. Dibromochloromethane	<5	<5	<5
33. 1,2-Dibromoethane	<5	<5	<5
34. Chlorobenzene	<5	<5	<5
35. 1,1,1,2-Tetrachloroethane	<5	<5	<5
36. Ethylbenzene	<5	<5	<5
37. Xylenes	<5	<5	<5
38. Dibromomethane	<10	<10	<10
39. Styrene	<5	<5	<5
40. Bromoform	<5	<5	<5
41. 1,1,1,2-Tetrachloroethane	<5	<5	<5
42. 1,2,3-Trichloropropane	<15	<15	<15
43. 1,4-Dichlorobenzene	<5	<5	<5
44. 1,2-Dichlorobenzene	<5	<5	<5
45. 1,2-Dibromo-3-Chloropropane	<25	<25	<25
46. Acrylonitrile	<200	<200	<200
47. trans-1,4-Dichloro-2-Butene	<100	<100	<100

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