

Paper Report Electronic Data - Email CD (data loaded: Yes / No)

Doc/Event #:

NC DENR
 Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- Prepare one form for each individually monitored unit.
- Please type or print legibly.
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i)).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Joyce Engineering, Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: G. Van Ness Burbach, Ph.D., P.G.

Phone: (336) 323-0092

E-mail: vburbach@joyceengineering.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
North Wake Landfill	9100 Deponia Dr. Raleigh, NC 27614	92-09	.1600	May 10, 2007

Environmental Status: (Check all that apply)

- Initial/Background Monitoring
 Detection Monitoring
 Assessment Monitoring
 Corrective Action

Type of data submitted: (Check all that apply)

- Groundwater monitoring data from monitoring wells
 Methane gas monitoring data
 Groundwater monitoring data from private water supply wells
 Corrective action data (specify) _____
 Leachate monitoring data
 Other(specify) _____
 Surface water monitoring data

Notification attached?

- No. No groundwater or surface water standards or explosive methane gas limits were exceeded.
 Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
 Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

G. Van Ness Burbach, Ph.D., P.G.

Sr. Project Consultant

(336) 323-0092

Facility Representative Name (Print)

Title

(Area Code) Telephone Number

7/25/07

Affix NC Licensed/ Professional Geologist Seal

Signature

Date



LEACHATE FIELD MONITORING LOG

Sampling Location: North Wake Landfill, Raleigh, NC Sampling Point ID: WW-Pipe-01

Sampling Date: 5/10/07 Sampler(s): Michelle Brown

Sample Type: Grab Composite (Manual) Composite (Auto-sampler):

Sampling Parameters: Semiannual DENR & City of Raleigh Lists

Initiation of Discharge: Date/Time: 5/9/07 1145 Flow Meter: 78,718,650 gallons

Initiation of Sampling: Date/Time: 5/9/07 1218 Flow Meter: 78,719,070 gallons

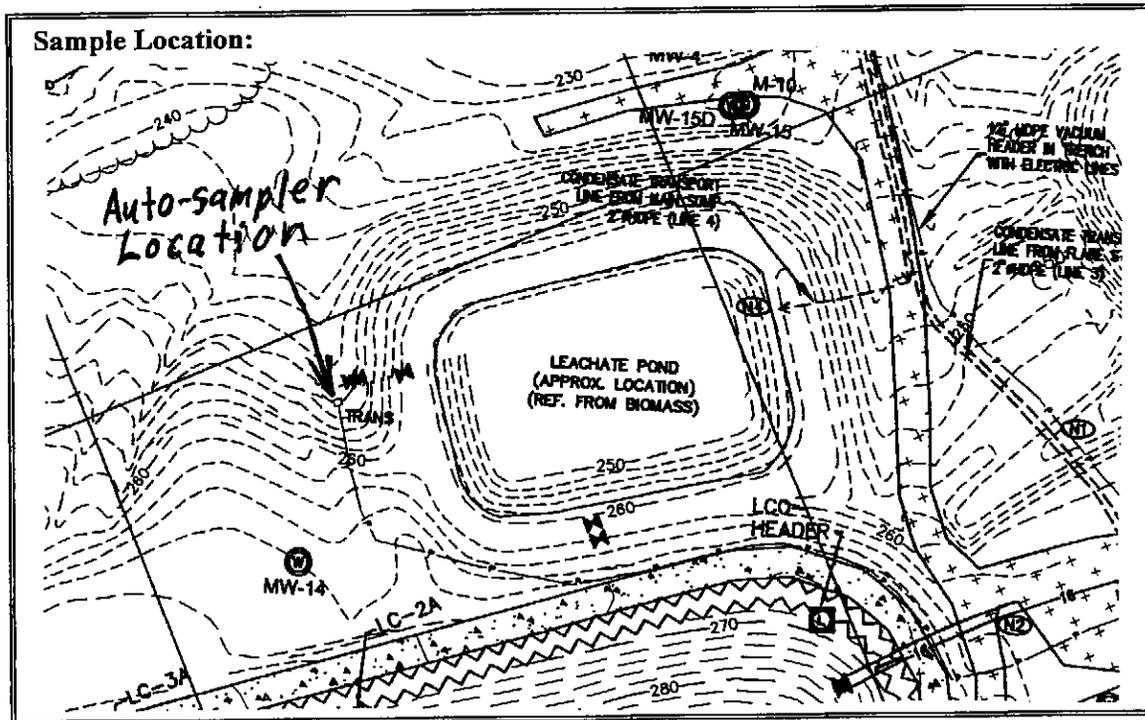
Time of Sampling: Date/Time: 5/10/07 1203 Flow Meter: 78,734,960 gallons

End of Discharge: Date/Time: 5/14/07 1014 Flow Meter: 78,787,030 gallons

Flow Rate (from meter): 12 GPM Total 24-hour flow: 15,840 gallons

pH: 4.46 on 5/9/07 Type of pH meter: Oakton
6.39 on 5/10/07

Comments/Sample Description (color, appearance, odor, immiscible layers, silt, etc.):



Signature: *Michelle Brown* Date: 6/11/07



Waste Industry Experts

Joyce Engineering, Inc
2211 W. Meadowview Road
Suite 101
Greensboro, NC 27407

July 25, 2007

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fax: 336/323-0093

www.JoyceEngineering.com

Mr. Ethan Brown
North Carolina Department of Environment and Natural Resources
Division of Waste Management - Solid Waste Section
1647 Mail Service Center
Raleigh, NC 27699-1646

**RE: Report of Semiannual Leachate Sampling – May 2007 Event
North Wake Landfill, Wake County, NC
Permit No. 92-09
JEI Project No. 661.00, Task 23**



Dear Ethan:

Enclosed is a report of the laboratory analytical results for the semiannual leachate monitoring conducted in May 2007 at the North Wake Landfill. In accordance with the North Carolina Department of Environmental and Natural Resources (NCDENR) Solid Waste Management Rule (SWMR) .1626(12)(c) and NC Solid Waste Permit Number 92-09, Joyce Engineering, Inc. (JEI) collected a 24-hour composite sample of discharge from the leachate pond on May 9-10, 2007. The samples were sent to Environmental Conservation Laboratories, Inc. and analyzed for the NCSWMR Appendix I list of volatile organic compounds and metals, plus BOD, COD, sulfate, nitrate, and phosphorus.

The *Environmental Monitoring Reporting Form*, the field data form, and a CD with the laboratory report and chain of custody for this event are enclosed with this report. The next semiannual sampling event is scheduled to take place in November 2007 in conjunction with discharge sampling during an appropriate discharge event. If you have any questions, please feel free to contact me or Michelle Brown at (336) 323-0092.

Sincerely,
JOYCE ENGINEERING, INC.

Van Burbach, PG
Sr. Project Consultant

Enclosure

C: Johnny Beal, Wake County
Dan LaMontagne, Wake County
Farrell Kidd, North Wake Landfill