



Waste Industry Experts

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Mr. Ethan Brown
Division of Waste Management/Solid Waste Section
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

**RE: Notification of NC-2L Groundwater Standard Exceedances
Granville County – Closed Butner Landfill
Permit No. 39-02
JEI Project No. 660.06, Task 03**



Dear Mr. Brown:

On behalf of Granville County, Joyce Engineering, Inc. is submitting this notification of exceedances of 15A-NCAC-2L (NC-2L) groundwater standards at the Granville County – Butner Landfill, Permit No. 39-02 in accordance with Title 15A, Chapter 13, Subchapter 13B, Section .1634 (g) of the North Carolina Solid Waste Management Regulations. The second semiannual sampling event of 2006 at the Butner Landfill took place on December 28-29, 2006. Samples were sent to Environmental Conservation Laboratories (ENCO) of Cary, North Carolina. The initial results indicated exceedances of NC-2L standards for 1,4-dichlorobenzene in monitoring wells MW-2R and MW-3R, and of vinyl chloride in MW-3R, so a resampling event was performed on February 23, 2007. The results of the resampling event confirmed the NC-2L exceedances.

Other organic compounds detected in one or more monitoring wells during the December 2006 event include chlorobenzene, 1,2-dichlorobenzene, chloroethane, and xylenes; however, none of these were above their respective NC-2L standards. Inorganic constituents detected during the December 2006 event include arsenic, barium, cobalt, copper, nickel, tin, vanadium, and zinc. None of these inorganic constituents were detected at concentrations above NC 2L Standards.

Although there were more constituent detections during the December 2006 event than in previous events, the increase is attributed to lowered reporting requirements that went into effect on December 1, 2006 rather than to an actual increase in constituents in the groundwater; therefore, these results are considered to be consistent with previous sampling events. A complete groundwater monitoring and statistical analysis report will follow. If you have any questions or need additional information, please feel free to contact me at (336) 323-0092.

Sincerely,
JOYCE ENGINEERING, INC.

Van Burbaech
Van Burbaech, PG
Senior Project Hydrogeologist

Copy: Brian Alligood, Granville County
Jason Falls, Granville County
JEI File