

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director

2-23-96 PM

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| Post-It™ brand fax transmittal memo 7671 | | # of pages ▶ 2 |
| To | Al Quarles | From Bobby Luffy |
| Co. | S&ME | Co. NC SWS |
| Dept. | | Phone # 919-733-0692 |
| Fax # | 704-525-3953 | Fax # 919-733-4810 |

February 23, 1996

Mr. Al Quarles
S&ME, Inc.
P.O. Box 7668
Charlotte, N.C. 28241

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RE: The CMS Landfill V, Cells 2A-2B Water Quality Monitoring
Program Report Of February 8, 1996 (Permit # 13-04)

Dear Mr. Quarles,

The Solid Waste Section has reviewed the above referenced report. Please provide additional information in response to the following questions and comments:

- Table 1: The header information for Effective Porosity and Total Porosity appear to be reversed.
- No laboratory data or support documentation has been provided for Total Porosity or Effective Porosity.
- Please provide some discussion on the method used to calculate hydraulic conductivity. How does this method compare with slug tests which are normally used to calculate hydraulic conductivities.
- Some of the hydraulic conductivity data seems somewhat low based upon the formation materials reported in the boring logs (especially MW-14 and MW-23). Is there any explanation for these low hydraulic conductivity values?
- No hydraulic conductivity calculations have been provided for some of the monitoring wells: MW-14A, MW-21, MW-22, MW-22A.
- How were the Horizontal Hydraulic Gradients determined?
- No documentation has been provided for the Horizontal Groundwater Flow Rate calculations.

Mr. Al Quarles
CMS Report of 2-8-96
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Please provide the corrections, clarifications, and documentation requested as soon as possible so we can complete our review of the CMS February 8, 1996 Report. If you have any questions about this letter, you may contact me at (919) 733-0692, extension 258.

Sincerely,



Bobby Lutfy
Hydrogeologist
Solid Waste Section

cc: Sherri Coghill, Solid Waste Section
Rick Doby, SWS - Mooresville Regional Office