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DUKE POWER

April 22, 1992

Ms. Carolyn McCaskill
North Carolina Department of Environment
Health and Natural Resources
Division of Environmental Management
512 North Salisbury Street
Raleigh, North Carolina 27604

Subject: McGuire Nuclear Station
Fencing Modification-Landfarm Permit WQ#0002877
File: MC 707.25

Dear Ms. McCaskill:

Attached please find one set of revised drawings for the new McGuire landfarm. The boundary fence for this landfarm was moved due to the construction of a 'private' roadway which serves the McGuire landfarm. The roadway does not have a 'public right of way' associated with it, therefore the buffer zones specified in the permit have not been violated.

Landfarm Size

Moving the fence reduced the landfarm area for a new size of 5.444 acres. The original landfarm application as well as the Sludge Land Application Permit indicates the size of the landfarm to be approximately 10 acres.

Monitoring Well Problem

One of the groundwater monitoring wells, MW-1, has experienced a very slow recharge rate. This well takes approximately 9 hours to develop and sample. The suspected cause of the slow recharge rate is the well construction and not the local geologic conditions.

Because of the length of time required to sample the well and the fact that this well will be monitored several times per year for an indefinite period, abandonment appears to be the best solution. Another monitoring well will be constructed in the same approximate location (within 30 feet).

Therefore, please find as Attachment #1 a well construction detail for installation of the new monitoring well #1. Please review this detail and issue approval as necessary. It is our understanding that a well construction permit will still be required to be issued from the Regional office.

Toxicity Monitoring

The existing permit requires an annual EP Toxicity analysis which we would like to replace with an annual TCLP analysis. This was discussed and approved in a telephone conversation with John Seymour on April 21, 1992.

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COOL 1/1

Landfarm Permit

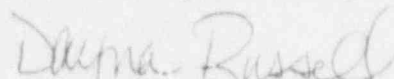
Per my discussion with John, these changes will result in a permit modification to reflect the correct size of the landfarm, the abandonment of MW-1 and installation a new monitoring well, and an annual TCLP analysis in place of the annual EP Toxicity analysis. Therefore, please modify the permit as appropriate to reflect these changes.

This landfarm has not yet been used for any sludge disposal. The first disposal for this site is expected to occur in 1992.

Should you have any questions concerning this matter please contact me at (704) 373-8250.

Sincerely,

John S. Carter
Technical System Manager


Dayna J. Russell, Assistant Engineer
Environmental Services, Water Protection
Generation Services Department

Attachments

djr/.006

cc: Mr. Rex Gleason-Mooresville Regional Office

