



**DUKE POWER**

April 29, 1993

Mr. Rex Gleason  
Regional Manager  
Water Quality Section  
Department of Environment, Health  
and Natural Resources  
919 North Main Street  
Mooresville, N.C. 28115

Subject: McGuire Nuclear Station  
NPDES Permit NC0024392  
BOD Exceedences, Outfall 003  
File: MC 702.13  
Certified: P 384 361 026

Dear Mr. Gleason:

Pursuant to Part II, Section D (6)(d) of the subject permit, this is a follow-up written report to the North Carolina Department of Environment, Health and Natural Resources for recent BOD exceedences at the McGuire Nuclear Station. The initial notifications were made to Mr. Mike Parker on April 14 and 19, 1993, and to Mr. Richard Bridgeman on April 27, 1993, by Norma Atherton of Duke Power Company.

McGuire Nuclear Station's domestic and sanitary treatment system (Outfall 003) exceeded the permitted daily maximum limits of 45 mg/L for BOD samples collected on April 6, 13, 20 and 21, 1993. The values observed on these samples were 92.1, 65.5, 49.2 and 50.8 mg/L respectively. Based upon these values, it is anticipated that the monthly average limit of 30 mg/L will be exceeded.

From our investigations and preliminary test results, we suspect the cause of these BOD exceedences can be attributed to an extensive floor wax stripping operation that occurred on the weekend of March 19, 20 and 21, 1993. The floor cleaning product used was a caustic, butyl cellusolve based cleaner. This product has been used in the past without experiencing any problems with our sanitary system.

Presently, we are reviewing our housekeeping practices and floor stripping products. Based upon the results of our review, we will implement corrective measures to preclude a reoccurrence of this event. The sanitary treatment system is gradually recovering. An update letter will be provided to you once the corrective measures have been determined.

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If you should need additional information or have questions, please contact Norma Atherton at (704) 875-5963.

Sincerely,

*Norma G. Atherton*

Norma G. Atherton, Scientist  
Environmental Division, Water Protection Group  
Generation Services Department

cc: Mr. Randy Kepler - NCDEHNR - Raleigh, N.C.