

DUKE POWER COMPANY

P.O. BOX 33189

CHARLOTTE, N.C. 28242

W. IAN A. HALLER
MANAGER
NUCLEAR TECHNICAL SERVICES
(704) 373-8500



November 26, 1990

Division of Environmental Management
Water Quality Section
Attention: Central Files
P.O. Box 27687
Raleigh, NC 27611

Subject: Duke Power Company
NPDES Monitoring Report for
McGuire Nuclear Station - NC0024392
File: MC-702.25

Dear Sir:

In accordance with Part II, C(2) of the above referenced NPDES permit, duplicate copies of the monthly monitoring report for October, 1990 are enclosed.

McGuire Nuclear Station's outfall 003 (Domestic Wastewater Treatment Facility) exceeded the permit value for fecal coliform on October 16, 1990. The upper limit for fecal coliform at outfall 003 is 400.0/100 ml. The value obtained on October 16, 1990 was 920/100 ml. Because this outfall does not discharge directly into waters of the state, but discharges into another NPDES permitted system, no input to the environment resulted. Duke Power is evaluating the conditions surrounding the fecal coliform excursion. Duke Power has increased chlorination to alleviate the problem. One explanation of the fecal coliform excursion has been related to increased solids carryover from the lagoon. These solids exert an additional chlorine demand, while acting as a barrier between the bacteria and the chlorine thereby affecting disinfection. Because of this, additional short range plans to rectify this condition include: (1) The installation of new aerators, which will permit shorter aerator run times allowing the solids more time to settle, and less carryover and (2) The installation of a sand filter for solids removal. The new aerators are expected to be on-site by the end of January, 1991 with installation shortly thereafter. The request for Authorization to Construct for the addition of a Dynasand Filter has been submitted to Ms. Carolyn McCaskill, State Engineering Review Group Permits and Engineering, NCDEHNR on November 16, 1990. In this request for Authorization to Construct, Duke Power has indicated its desire to start installation of this sand filter February 1, 1991.

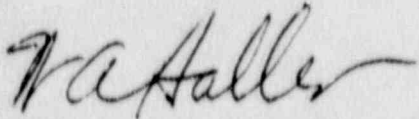
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Division of Environmental Management
Water Quality Section
November 26, 1990
Page 2

Please direct any correspondence or questions concerning the McGuire Nuclear Station NPDES Program to M.C. Griggs (704) 373-7080, Nuclear Environmental Compliance.

Very truly yours,



W.A. Haller, Manager
Nuclear Technical Services

MTK/dje:1237.mtk

Attachments

cc: NRC Document Control

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