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McGuire Nuclear Generation Department
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DUKE POWER

April 20, 1994

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Subject: McGuire Nuclear Station
Docket Nos. 50-369 and 50-370
Annual Environmental Operating Report

The McGuire Nuclear Station Environmental Protection Plan (EPP), Appendix B to the McGuire Technical Specifications, requires an Annual Environmental Operating Report. This report for calendar year 1993 is contained in items 1 through 4, as indicated below:

- Item 1 - Summaries and analyses of results of activities required by Section 4.2 of the EPP.
- Item 2 - List of EPP non-compliances and corrective actions.
- Item 3 - List of changes in station design or operation, tests, and experiments made in accordance with Subsection 3.1 which involved a potentially significant unreviewed environmental issue.
- Item 4 - List of non-routine reports submitted in accordance with Section 5.4.2 of the EPP.

Questions or comments with respect to this report should be directed to Kay Crane, McGuire Regulatory Compliance at (704) 875-4306.

Very truly yours,

T. C. McMeekin, Vice President
McGuire Nuclear Station

TCM:KLC:klc

cc: Mr. Victor Nerses, Project Manager
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. George Maxwell
Senior Resident Inspector
McGuire Nuclear Station

Mr. S. D. Ebnetter, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW - Suite 2900
Atlanta, Georgia 30323

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Item 1

EPP Section 5.4.1

Summaries and analyses of results of activities required by Section 4.2 of the EPP.

No observed non-radiological impacts on the environment during the reporting period were noted. No evidence of trends of irreversible damage to the environment is apparent. A Summary Report of the 1993 Lake Norman Maintenance Monitoring Program required by McGuire Nuclear Station NPDES Permit No. NC0024392 is being prepared and will be submitted to the North Carolina Department of Environment, Health, and Natural Resources and to the NRC.

Item 2

EPP Section 5.4.1 (a)

EPP non-compliances and corrective actions

1. A copy of non-routine event report, dated January 21, 1993, describing an exceedance of NPDES permit pH limit was submitted to the state agency, and was not forwarded to the NRC at the same time.

* Corrective Action - Individuals responsible for submittal of NPDES reports were notified of the EPP requirements. A copy of the non-routine follow-up report, submitted to the state agency is attached.

Item 3

EPP Section 5.4.1 (b)

Changes in station design or operating, tests, and experiments made in accordance with Subsection 3.1 which involved a potentially significant unreviewed environmental issue

No changes were identified that involve a potentially significant unreviewed question.

Item 4

EPP Section 5.4.1 (c)

Non-routine reports submitted in accordance with Section 5.4.2 of the EPP.

1. A follow-up report, describing a non-routine event (pH exceedance at McGuire Nuclear Station, Outfall 002 of NPDES Permit No. NC0024392), was submitted to the North Carolina Department of Environment, Health, and Natural Resources, Water Quality Section dated January 21, 1993.
2. A follow-up report, describing a non-routine event (temporarily bypass the up flow sand filter due to impending overflow of sanitary lagoon, Outfall 003 of NPDES Permit No. NC0024392), was submitted to the North Carolina Division of Environmental Management, Water Quality Section and to the NRC dated April 1, 1993.
3. A follow-up report, describing a non-routine event (BOD daily maximum limit exceeded 30 mg/l

at McGuire Nuclear Station, Outfall 003 of NPDES Permit No. NC0024392), was submitted to the North Carolina Division of Environmental Management, Water Quality Section and to the NRC dated April 29, 1993.

4. A follow-up report, describing a non-routine event (leak in an ethylene glycol storage tank which reached a floor drain aligned to domestic wastewater system, Outfall 003 of NPDES Permit No. NC0024392), was submitted to the North Carolina Division of Environmental Management, Water Quality Section and to the NRC dated June 25, 1993.
5. A follow-up report, describing a non-routine event (failure of chronic toxicity test at Outfall 005, and daily maximum fecal coliform exceed once at Outfall 003 of McGuire Nuclear Station of NPDES Permit No. NC0024392), was submitted to the North Carolina Division of Environmental Management, Water Quality Section and to the NRC dated August 4, 1993.
6. A follow-up report, describing a non-routine event (fecal coliform daily maximum limit was exceeded at McGuire Nuclear Station, Outfall 003 of NPDES Permit No. NC0024392), was submitted to the North Carolina Division of Environmental Management, Water Quality Section and to the NRC dated October 26, 1993.



DUKE POWER

January 21, 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
Exceedance of pH Limit
File: MC 702.13
Certified: P 067 125 877

Dear Mr. Gleason:

Pursuant to Part II, Section D (6)(d) of the subject permit, this is a follow-up written report for a recent noncompliance at the McGuire Nuclear Station. The initial notification was made to Mr. Mike Parker on January 7, 1993, by Norma Atherton of Duke Power Company.

On January 7th, it was discovered that the pH value for the discharge from the conventional waste treatment system (Outfall 002) was 9.3. The duration of this exceedance was 1.5 hours. The reason for this occurrence was due to a malfunction of a switch that would have terminated the discharge flow from the pond under low flow conditions. In the interim while the switch is being repaired, administrative controls are being used in its place.

There was no environmental impact to the receiving waters as a result of this incident. 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.