

November 19, 2001

Mr. M. S. Tuckman, Executive
Vice President - Nuclear Generation
Duke Energy Corporation
526 South Church St. EC07H
Charlotte, NC 28201

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (RAI) RELATED TO THE
STAFF'S REVIEW OF THE LICENSE RENEWAL ENVIRONMENTAL REPORT
FOR MCGUIRE NUCLEAR STATION, UNITS 1 AND 2 (TAC NOS. MB2021
AND MB2022)

Dear Mr. Tuckman:

The NRC staff has reviewed Duke Energy Corporation's (Duke's) environmental report (ER), submitted as part of the application for license renewal for McGuire Nuclear Station, Units 1 and 2. The staff concludes that additional information is needed before it can complete its review. You are requested to provide a response to the enclosed request for additional information (RAI) within 60 days of the date of this letter, as discussed with your staff.

If you have any questions about this RAI, please contact me at (301) 415-1108.

Sincerely,

Original Signed By: JHWilson

James H. Wilson, Senior Project Manager
Risk Informed Initiatives, Environmental,
Decommissioning, and Rulemaking Branch
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket Nos. 50-369 and 50-370

Enclosure: As stated

cc: See next page

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CCarpenter BZalcman JHWilson RMartin RFranovich

Accession no: **ML013300544**

*See previous concurrence

DOCUMENT NAME: G:\RGEb\McGuire\RAIs\ER RAI transmittal to Duke.wpd

OFFICE	RGEb	RGEb	SC:RGEb	C:RSLB	C:RGEb
NAME	SFox	JHWilson	BZalcman	CGrimes*	CCarpenter
DATE	11/19/01	11/19/01	11/19/01	11/16/01	11/19/01

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OFFICE OF NUCLEAR REACTOR REGULATION
REQUEST FOR ADDITIONAL INFORMATION
RELATED TO THE STAFF'S REVIEW OF
THE ENVIRONMENTAL REPORT (ER)
RELATED TO LICENSE RENEWAL FOR MCGUIRE NUCLEAR STATION,
UNITS 1 AND 2 (TAC NOS. MB2021 AND MB2022)

1. Does Duke have water withdrawal permits for water withdrawn from Lake Norman and/or from the six groundwater wells noted in Table 4-4 of the ER? If so, please provide information regarding the permit issuing agency, the statutory basis for the permits, the permit numbers, and the permit issuance and expiration dates.
2. For an alternative coal-fired plant (see p. 8-2 of the ER), could all of the solid waste products (flyash, bottom ash, spent selective catalytic reduction [SCR] catalyst, and scrubber sludge/waste) be placed in the same landfill or would separate landfills be required? Approximately how many total acres of landfill per year of operation would be required to accommodate all waste products? What would be the approximate weight of 8500 cubic feet of spent SCR catalyst material?
3. The ER (p. 8-22) states that the TRANSCO interstate natural gas pipeline is located within two miles of the McGuire Nuclear Station, but that a new pipeline would be required if a replacement gas-fired plant were to be located at the McGuire site. Approximately how long would such a new pipeline be?
4. Provide the license number, issuance date, and expiration date of the license for the independent spent fuel storage installation referred to on Page 9-2 of the ER.
5. Provide information on the status of the stormwater permit that expired 11/30/99 (p. 9-3 of the ER).
6. Resolve the discrepancy between the number for the air operating permit given in the ER (#98-110-269 on p. 9-4) and the 2/23/00 letter from Mecklenburg County (which indicates that the permit number is 00-019-269). Also, is the ER citation (p. 9-4) to Section 112 of the Federal Clean Air Act correct as the authority for the permit?
7. Is the permit issued 7/30/92 the most recent permit for the landfill (ER, p. 9-4)?
8. Provide a copy of the most recent impingement study.
9. Provide copies of the two most recent Corbicula monitoring reports.
10. Describe Duke's program for remaining cognizant of listed species that occur or may occur in the future in the Exclusion Area and transmission line rights-of way (ROWS). This description should include the following:
 - the cooperative agreements/programs with federal, state, local agencies, and/or Universities, etc., that result in site surveys and inspections during which the occurrence of such species could be documented;
 - the Atlas database system that tracks such species on the transmission line ROWs;

- the process by which Duke's Atlas information is incorporated into the state Natural Heritage Database program;
- the process whereby Duke would communicate knowledge of federally threatened (e.g., Georgia aster [*Aster georgianus*]) or endangered species (e.g., Schweinitz's sunflower [*Helianthus schweinitzii*]) to the U.S. Fish and Wildlife Service, should such species become established in the Exclusion Area or transmission line ROWs.

The description should include cooperative agreements and programs with Federal, State, and local agencies and universities, etc., that facilitate the protection, monitoring, and/or management of listed species, in particular, Georgia aster and Schweinitz's sunflower.

12. Describe the history of bird electrocutions and collisions involving the transmission lines from McGuire Units 1 and 2 to the switchyard. Describe the distances between the separation of phases and separation of phase-to-ground components for the 230 kV and 525 kV lines. Describe the stream and pond crossed by the transmission lines (see Figure 2 in Attachment D of the ER) in terms of their potential to support waterfowl and to provide food resources for raptors. Qualitatively describe the numbers of waterfowl and raptors known to use these areas. Finally, describe any modifications made to the transmission lines (e.g., aviation balls) to make them more visible and hence minimize collisions.
13. Describe the programs (Duke's own programs or those in cooperation with Federal, State, and local agencies and Universities, etc.) in place to enhance and/or set aside habitat to benefit wildlife, particularly migratory birds, on and in the vicinity of the McGuire site.