

November 4, 1985

Docket Nos: 50-369
and 50-370

Mr. H. B. Tucker, Vice President
Nuclear Production Department
Duke Power Company
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Tucker:

Subject: Request for Additional Information Regarding
Radiological Aspects of UHI Deletion

The NRC is reviewing your letters of May 9 and October 2 and 14, 1985, proposing license amendments and Technical Specification revisions in support of deletion of the Upper Head Injection (UHI) systems at McGuire Nuclear Station, Units 1 and 2. We find that additional information identified in the enclosure is needed regarding the radiological aspects of UHI removal and related radiological impacts on plant operations.

Your response to the enclosure within 30 days of this letter is requested. Contact our Project Manager, Darl Hood, at (301) 492-8408 if you have questions.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Original Signed by

L. L. Kintner, for

Elinor G. Adensam, Chief
Licensing Branch No. 4
Division of Licensing

Enclosure:
Request for Additional Information

cc: See next page

DISTRIBUTION:

Docket Nos. 50-369/370

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Mr. H. B. Tucker
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McGuire Nuclear Station

cc:

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ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION REGARDING

RADIOLOGICAL ASPECTS OF UHI REMOVAL

1. Describe the actual hardware changes and activities that will be made to accomplish UHI removal. Include those construction steps which result in radiological exposure to personnel or generate radioactive waste. Identify differences, if any, in these changes and activities for the two McGuire units.
2. Provide an estimate of the occupational radiation dose determined for the overall Upper Head Injection System removal project at McGuire 1 & 2. This should include the following:
 - (a) doses and manpower for major subtasks
 - (b) typical dose rates expected
 - (c) maximum dose rates expected, and locations
3. Provide a comparison of dose incurred during task performance and dose avoided (e.g., reduced operations, maintenance, ISI for system components, seismic restraints/snubbers) over plant life by removal of the UHIS.
4. Identify measures to be taken to assure that doses to workers during task performance will be ALARA. This should cover, for example, task planning, special training, use of mockups, area and system decontamination and airborne radioactivity, efforts to minimize number of workers, and application of experience from similar efforts in the industry.
5. Identify the types and volumes of radioactive waste which are expected to be generated (e.g., piping, components, insulation), and discuss disposal plans for these wastes.
6. Identify and briefly discuss any special radiological problems which may be associated with this task (e.g., very high dose rates, very high contamination levels, high radioiodine levels, need for multiple dosimetry).