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50-369

DUKE POWER COMPANY

USNRC REGION II POWER BUILDING  
ATLANTA 422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.  
VICE PRESIDENT  
STEAM PRODUCTION

SEP 21 9:09  
September 19, 1979

TELEPHONE: AREA 704  
373-4083

Mr. J. P. O'Reilly, Director  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 3100  
Atlanta, GA 30303

Re: McGuire Nuclear Station  
IE Bulletin 79-13, Revision 1  
FII:JPO  
50-369

Dear Mr. O'Reilly:

Attached is our response to IE Bulletin 79-13, Revision 1.

Very truly yours,

*William O. Parker, Jr.*  
William O. Parker, Jr.

THH/sch  
Attachment



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McGuire Nuclear Station  
Response to USNRC IE Bulletin 79-13, Revision 1

Item 5

- a. The design of McGuire Nuclear Station features both a main feedwater nozzle and an auxiliary feedwater nozzle. During the Hot Functional Test at McGuire all of the feedwater flow to the steam generators passed through the auxiliary feedwater nozzle. Consequently the original radiographic test of the main feedwater nozzle-to-pipe weld provides an accurate baseline for comparison of any subsequent inspections of this weld. Duke Power Company will perform another radiographic test of the auxiliary feedwater nozzle-to-pipe weld prior to January 1, 1980.
- b. Duke Power Company is currently revising both the operating and emergency procedures addressing a feedwater line break accident. These procedures are being revised to enhance operator ability to recognize, and recover from this accident.
- c. The primary method of detecting feedwater leakage inside containment is by monitoring the containment floor and equipment sump level. The sump level detectors can sense a sump level change of one half inch. Therefore a leakage rate of one gallon/minute inside containment is detectable after approximately forty minutes. Other methods of detecting leakage inside containment are discussed in the McGuire FSAR, Section 5.2.7. Although the primary emphasis of this section concerns reactor coolant system leakage the methodology is appropriate for detecting feedwater leakage. Sampling the fluid in the containment sump accurately identifies the source of the leakage.

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