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U.S. NUCLEAR REGULATORY COMMISSION

DOCKET NUMBER  
**50-269/270/287**  
FILE NUMBER

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

TO: E G Case

FROM: Duke Power Company  
Charlotte, NC  
W O Parker JR

DATE OF DOCUMENT  
9-27-77  
DATE RECEIVED  
10-3-77

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DESCRIPTION

info concerning addl monitoring & procedural controls which might be employed to assure that radioactive releases are maintained as low as reasonably achievable.....

2p

PLANT NAME: Oconee 1-3

10-3-77 . ehf

ENCLOSURE

SAFETY		FOR ACTION/INFORMATION	
BRANCH CHIEF: (7)	<b>Schwencer</b>		

INTERNAL DISTRIBUTION			
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			<b>772770224</b>

## DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

September 27, 1977

WILLIAM O. PARKER, JR.  
VICE PRESIDENT  
STEAM PRODUCTION

TELEPHONE: AREA 704  
373-4083

Mr. Edson G. Case, Acting Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Mr. A. Schwencer, Chief  
Operating Reactor Branch #1

Reference: Oconee Nuclear Station  
Docket Nos. 50-269, -270, -287



Dear Sir:

Your letter of August 4, 1977 concerned items discussed at a June 1, 1977 meeting at the Oconee Nuclear Station with regard to additional monitoring and procedural controls which might be employed to assure that radioactive releases are maintained as low as reasonably achievable. In this regard, the following actions have been or will be taken:

1. Radiation monitors have been installed in the two turbine building sumps. These monitors provide alarms in the control room of inadvertent radioactive release entering the turbine building sump or upon malfunction of the monitor. In order to ensure that inadvertent radioactive releases from the sump do not occur either the radiation monitors will be operable or the sumps will be sampled prior to batch release. Either measure in itself is considered reasonable and effective to prevent inadvertent releases of radioactive liquids from the turbine building sumps to the environment. During periods of known secondary system contamination, the turbine building sumps will be batch released with prior sampling. In instances when batch releases are made, no dependence will be made on the radiation monitors.
2. A composite, flow proportional water sampler will be installed at the outfall of the oil collection basin by March 1, 1978. Weekly, a gamma isotopic analysis will be performed on the composite samples. In the event of an inadvertent radioactive liquid release to the basin, an additional composite sample will be drawn. This sample will be analyzed for Sr<sup>89</sup> and Sr<sup>90</sup> along with the samples taken on a monthly basis from the other low level activity radioactive waste tanks.

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Mr. Edson G. Case, Acting Director

Page Two

September 27, 1977

3. Procedures will be instituted by November 1, 1977 which will require two independent valve alignment checks prior to discharging radioactive spent secondary system demineralizer resins to the receiving tanks. This procedure will be followed whenever the activity in the secondary system indicates that there has been primary to secondary leaks, and continue until all activity from the secondary system has been removed.

Although your letter requested that the above proposals be incorporated into the Oconee Technical Specifications, we do not feel that this action is required. The equipment and procedures listed above are extensions of the defense in depth concept to prevent inadvertent liquid effluent releases. They support the objectives and specifications written in Oconee Technical Specification 3.9, Release of Liquid Radioactive Waste, and as such assist in the effective control of the release of radioactive liquid wastes from the station. Any revision to the Technical Specification incorporating the above items would duplicate objectives and specifications presently contained in Oconee Technical Specification 3.9.

Very truly yours,

*William O. Parker, Jr.*

William O. Parker, Jr. *By [Signature]*

RLG:ge