



**Florida
Power**
CORPORATION

February 5, 1990
3F0290-01

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

Subject: Crystal River Unit 3
Docket No. 50-302
Operating License No. DPR-72
Special Report 90-01

Dear Sir:

Enclosed is Special Report 90-01 which is submitted in accordance with Technical Specification 3.3.3.10.

Should there be any questions, please contact this office.

Very truly yours,

Gary L. Boldt
Vice President, Nuclear Production

WLR:mag

Enclosure

xc: Regional Administrator, Region II
Senior Resident Inspector

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SPECIAL REPORT 90-01

Background

Crystal River Unit 3 Technical Specification 3.3.3.10, Waste Gas Decay Tank Explosive Gas Monitoring Instrumentation, requires that the Waste Gas Decay Tanks have one Hydrogen and one Oxygen Monitoring Channel operable. The specification allows plant operation to continue with these instruments inoperable, but stipulates that a Special Report be submitted if the period of inoperability exceeds 14 days. The Waste Gas Decay Tank Hydrogen and Oxygen Monitoring Channels at Crystal River Unit 3 were removed from service (and determined to be inoperable) on December 28, 1989 and were not returned to operational status within 14 days. This report is submitted to fulfill the Special Report requirement of Technical Specification 3.3.3.10.

Reason for Hydrogen and Oxygen Monitor Inoperability

The Waste Gas Decay Tank Hydrogen and Oxygen Monitoring instruments were removed from service because of leakage from fittings in the tubing which connects the instruments with the Waste Gas Decay Tanks. The leakage from these fittings could have resulted in releases of radioactive gases to the Auxiliary Building and to the environment through the Auxiliary Building vent. The fitting leaks developed over several years of service and have reached a point where it is considered more prudent to take the system out of service long enough to replace or eliminate the fittings.

Schedule for Corrective Action

A modification package to remove many of the leaking components in the Waste Gas Decay Tank Hydrogen and Oxygen monitoring system and replace them with welded joints (or eliminate them) was developed in December 1989. The schedule for completing the modifications is February 28, 1990. Grab samples from the Waste Gas Decay Tanks are being periodically collected and analyzed for hydrogen and oxygen concentration, as required by Technical Specification 3.3.3.10, while the monitoring instrumentation is out of service.