



**Florida  
Power**

CORPORATION  
Crystal River Unit 3  
Docket No. 50-302

June 12, 1992

3F0692-10

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

Subject: Special Report 92-02

Dear Sir:

Enclosed is Special Report 92-02 which is submitted in accordance with  
Technical Specification 3.3.3.10.

Should there be any questions, please contact this office.

Very truly yours,

G. L. Boldt  
Vice President, Nuclear Production

JLB:mag

Enc.

xc: Regional Administrator, Region II  
NRR Project Manager  
Senior Resident Inspector

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## SPECIAL REPORT 92-02

### Background

Crystal River Unit 3 (CR-3) Technical Specification 3.3.3.10, Waste Gas Decay Tank-Explosive Gas Monitoring Instrumentation, requires the following:

The Waste Gas Decay Tanks (WGDT) shall have one hydrogen and one oxygen monitoring channel OPERABLE.

APPLICABILITY: ALL MODES.

- ACTION:
- a. With the number of OPERABLE channels less than required above, operation of this system may continue, provided grab samples are collected and analyzed:
    - (1) at least once per 4 hours during degassing operations,
    - (2) at least once per 24 hours during other operations.
  - b. If the affected channel(s) can not be returned to OPERABLE status within 14 days, submit a special report to the Commission pursuant to Specification 6.9.2 within 30 days describing the reasons for inoperability and a schedule for corrective action.

The WGDT Hydrogen and Oxygen Monitoring Channels were removed from service (and determined to be inoperable) on May 14, 1992 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, ACTION (b).

### Reason for Hydrogen and Oxygen Monitor Inoperability

The WGDTs were removed from service during the Refuel 8 outage to facilitate maintenance on the WGDTs' relief and check valves. The WGDTs were depressurized and vented to the Auxiliary Building ventilation system. The hydrogen and oxygen monitoring instruments were declared inoperable because these instruments can not effectively monitor hydrogen and oxygen concentrations when tank pressures are less than five psig. With the WGDTs vented, CR-3 can not comply with ACTION (a) above in that there is insufficient pressure to obtain grab samples.

### Schedule for Corrective Action

The WGDT hydrogen and oxygen monitoring instruments are expected to be returned to service when repairs are complete for the WGDTs' check and relief valves. This will be accomplished prior to restart from the Refuel 8 outage.

Technical Specification Amendment #141 will correct this problem by changing the APPLICABILITY requirement for Section 3.3.3.10 to "During Waste Gas System Operation". Therefore, whenever the system is vented and taken out of service for outages, the ACTION will not apply. This amendment will be in place by September 1992.