

June 9, 1989

Docket No. 50-302

Mr. W. S. Wilgus
Vice President, Nuclear Operations
Florida Power Corporation
ATTN: Manager, Nuclear Operations
Licensing
P. O. Box 219-NA-2I
Crystal River, Florida 32629

Dear Mr. Wilgus:

SUBJECT: CRYSTAL RIVER UNIT 3 - CORRECTIONS TO AMENDMENT NO. 115 AND AMENDMENT NO. 116 (TAC NOS. 68127 AND 54527)

On May 30, 1989, the Commission issued Amendment No. 115 and Amendment No. 116 for the Crystal River Unit 3 Nuclear Generating Plant. Amendment No. 115 added operability, action and surveillance requirements for the chlorine and sulfur dioxide toxic gas detection systems. Amendment No. 116 provided Technical Specifications for a reactor building wide-range radiation monitor, a reactor building wide-range pressure monitor, and a reactor building flood level monitor. On June 7, 1989, you informed us of administrative errors in both of these amendments.

In Amendment No. 115, page B3/4 3-6 contained the statement that "...a chlorine concentration of 15 ppm by volume is not exceeded in the control room within 2 minutes after detection." The correct chlorine concentration should have been 5 ppm. Enclosed is the corrected page B3/4 3-6, as well as the corresponding overleaf page.

Amendment No. 116 contained two administrative errors. On page 3/4 3-25, Table 4.3-3 was incorrectly numbered as Table 4.4-3. Also, on page 3/4 3-38 (Table 3.3-10), one of the measurement ranges for the reactor building pressure was incorrectly changed to "0-280 psia," rather than "0-280 psig." The corrected page 3/4 3-25 (with the corresponding overleaf page), as well as page 3/4 3-38, are also enclosed.

Sincerely,

Original signed by

Harley Silver, Project Manager
Project Directorate II-2
Division of Reactor Projects-I/II
Office of Nuclear Reactor Regulation

Enclosures:
As stated

cc w/enclosures:
See next page

[CR-3 CORRECTION AMEND 115/116]

LA:PDII-2
DMiller
06/1/89

PE:PDII-2
Ghunder
06/10/89

PM:PDII-2
HSilver/jd
06/1/89

D:PDII-2
HBerkow
06/9/89

DF01
1/1

CP-1 cc

8906140358 890609
PDR ADDCK 05000302
PDC

DATED: June 9, 1989

AMENDMENT NO. 115 TO FACILITY OPERATING LICENSE NO. DPR-72-CRYSTAL RIVER UNIT 3
116


NRC & Local PDRs

PDII-2 Reading

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G. Lainas, 14/H/3

H. Berkow

D. Miller

H. Silver

OGC-WF

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E. Jordan, 3302 MNBB

B. Grimes, 9/A/2

T. Meek(4), P1-137

Wanda Jones, P-130A

J. Calvo, 11/F/23

J. Miller, 11/F/23

ACRS (10)

GPA/PA

ARM/LFMB

P. Frederickson, R-II

cc: Plant Service list

Mr. W. S. Wilgus
Florida Power Corporation

Crystal River Unit No. 3 Nuclear
Generating Plant

cc:

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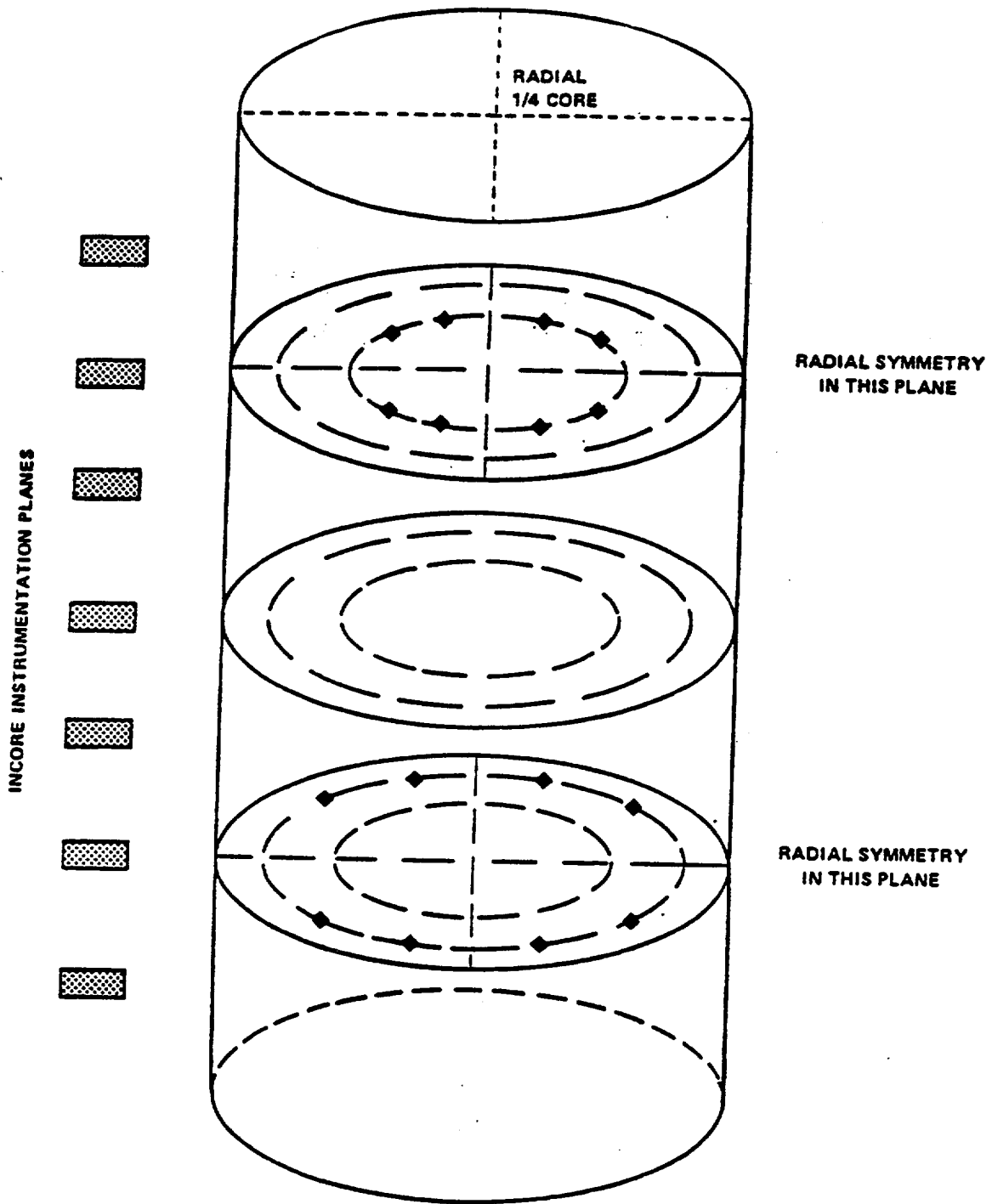
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Attorney General
Department of Legal Affairs
The Capitol
Tallahassee, Florida 32304



Bases Figure 3-2 Incore Instrumentation Specification
 Acceptable Minimum QUADRANT POWER TILT Arrangement

CRYSTAL RIVER - UNIT 3

B 3/4 3-5

8906140359 890609
 PDR ADDCK 05000302
 P FDC

3/4.3 INSTRUMENTATION

BASES

3/4.3.3.8 RADIOACTIVE LIQUID EFFLUENT INSTRUMENTATION

The radioactive liquid effluent instrumentation is provided to monitor and control, as applicable, the releases of radioactive materials in liquid effluents during actual or potential releases of liquid effluents. The alarm/trip setpoints for these instruments shall be calculated in accordance with the procedures in the OFFSITE DOSE CALCULATION MANUAL (ODCM) to ensure that the alarm/trip will occur prior to exceeding the limits of 10 CFR Part 20. The OPERABILITY and use of this instrumentation is consistent with the requirements of General Design Criteria 60, 63 and 64 of Appendix A to 10 CFR Part 50.

3/4.3.3.9 RADIOACTIVE GASEOUS EFFLUENT INSTRUMENTATION

The radioactive gaseous effluent instrumentation is provided to monitor and control, as applicable, the releases of radioactive materials in gaseous effluents during actual or potential releases of gaseous effluents. The alarm/trip setpoints for these instruments are calculated in accordance with the procedures in the OFFSITE DOSE CALCULATION MANUAL (ODCM) to ensure that the alarm/trip will occur prior to exceeding the limits of 10 CFR Part 20. The OPERABILITY and use of this instrumentation is consistent with the requirements of General Design Criteria 60, 63 and 64 of Appendix A to 10 CFR Part 50.

3/4.3.3.10 WASTE GAS DECAY TANK - EXPLOSIVE GAS MONITORING INSTRUMENTATION

The OPERABILITY of the Waste Gas Decay Tank explosive gas monitoring instrumentation or the sampling and analysis program required by this specification provides for the monitoring (and controlling) of potentially explosive gas mixtures in the Waste Gas Decay Tanks.

3/4.3.3.11 TOXIC GAS SYSTEMS

The OPERABILITY of the toxic gas systems ensures that sufficient capability is available to promptly detect and initiate protective action in the event of an accidental toxic gas release. This capability is required to protect control room personnel and is consistent with guidance provided in Regulatory Guide 1.78, "Assumptions for Evaluating the Habitability of a Nuclear Power Plant During a Postulated Chemical Release", June 1974 and Regulatory Guide 1.95, "Protection of Nuclear Power Plant Control Room Operators Against an Accidental Chlorine Release", Revision 1, January 1977.

The chlorine detection system is designed so that a chlorine concentration of 5 ppm by volume is not exceeded in the control room within 2 minutes after detection.

The sulfur dioxide detection system is designed so that a sulfur dioxide concentration of 40 ppm by volume is not exceeded in the control room within 2 minutes after detection.

TABLE 4.3-3

RADIATION MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>INSTRUMENT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TEST</u>	<u>MODES IN WHICH SURVEILLANCE REQUIRED</u>
1. AREA MONITORS				
a. Fuel Storage Pool Area				
i. Criticality Monitor	S	R	M	*
b. Reactor Building High Radiation Monitor	S	R	M	1,2,3,4
2. PROCESS MONITORS				
a. Reactor Building				
i. Gaseous Activity-RCS Leakage Detection	S	R	M	1,2,3,4
ii. Iodine Activity-RCS Leakage Detection	S	R	M	1,2,3,4
b. Control Room				
i. Iodine Activity-Ventilation System Isolation/Recirculation	S	R	M	All Modes

*With fuel in the storage pool or building

TABLE 4.3-3 (cont.)
RADIATION MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>INSTRUMENT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TEST</u>	<u>MODES IN WH SURVEILLANCE REQUIRED</u>
2. Process Monitors (continued)				
c. Condenser Vacuum Pump Exhaust Monitor - Gaseous Activity Monitor (RM-A12)	D	R	M	1, 2, 3,
d. Nuclear Services Closed Cooling Water Monitor (RM-L3)	D	R	M	ALL MODES
e. Decay Heat Closed Cooling Water Monitors (RM-L5 and RM-L6)	D	R	M	ALL MODES

TABLE 3.3-10
POST-ACCIDENT MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>MEASUREMENT RANGE</u>	<u>MINIMUM CHANNELS OPERABLE</u>
1. Power Range Nuclear Flux	0-125%	2
2. Reactor Building Pressure	0-70 psia	2
	0-280 psig	2
3. Source Range Nuclear Flux	10^{-1} to 10^6 cps	2
4. Reactor Coolant Outlet Temperature	520°F - 620°F	2 per loop
5. Reactor Coolant Total Flow	0-160 x 10^6 lb./hr.	1
6. RC Loop Pressure	0-2500 psig	2
	0-600 psig	1
	1700-2500 psig	2
7. Pressurizer Level	0-320 inches	2
8. Steam Generator Outlet Pressure	0-1200 psig	2/steam generator
9. Steam Generator Operating Range Level	0-100%	2/steam generator
10. Borated Water Storage Tank Level	0-50 feet	2
11. Startup Feedwater Flow	0-1.5x 10^6 lb./hr.	2
12. Reactor Coolant System Subcooling Margin Monitor	-658°F to +658°F	1
13. PORV Position Indicator (Primary Detector)	N/A	1
14. PORV Position Indicator (Backup Detector)	N/A	N/A
15. PORV Block Valve Position Indicator	N/A	N/A
16. Safety Valve Position Indicator (Primary Detector)	N/A	1/valve
17. Safety Valve Position Indicator (Backup Detector)	N/A	N/A
18. Emergency Feedwater Flow	0-850 gpm	2/steam generator
19. Reactor Building Flood Level	0-10 feet	2