



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
230 PEACHTREE STREET, N. W. SUITE 818
ATLANTA, GEORGIA 30303

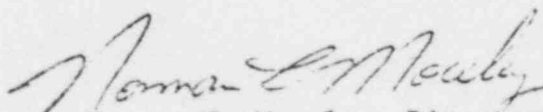
JUL 22 1976

D. Thompson, Acting Director, Division of Field Operations, IE:HQ

FLORIDA POWER CORPORATION, CRYSTAL RIVER 3 (DN 50-302) - STATUS OF COMPLETION

In accordance with inspection procedure No. 94300B, the attached enclosures list remaining open items required to be completed before a finding of readiness for operation may be endorsed by Region II. The significance of each identified item, relative to the planned issuance of the operating license, is discussed.

The licensee plans to request issuance of an operating license prior to completion of the dome repair and proof testing that are tentatively scheduled for completion in January 1977. FPC is considering requesting that the license be conditioned to: (1) permit fuel loading and subcritical testing, but not to achieve criticality; or (2) permit fuel loading, subcritical and zero power testing. Tentative dates stated for submittal of the request are during the period of July 26-September 7, 1976. Region II is strongly opposed to issuance of an operating license that would permit the reactor to be made critical prior to completion of the reactor building dome repair and satisfactory performance of the structural and integrated leak rate testing of the building.


Norman C. Moseley, Director
Region II

cc: B. Grier, Div. of RIP
H. Thornburg, Div. of MIP
→ G. Gower, IE:HQ
R. Lewis, IE:II
F. Jape, IE:II

Enclosures:

- A. Status of Inspection Required by MC 2512, MC 2513, and MC 2514.
- B. Outstanding Items including Enforcement and Unresolved Items.
- C. Preoperational Testing Status
- D. Construction Status

8003170 500

A

CRYSTAL RIVER 3 INSPECTION STATUS

1. Manual Chapter 2512

Complete

2. Manual Chapter 2513

<u>Module</u>	<u>Title</u>	<u>Percent Complete</u>
41301B	Inspection of Operating Staff Training	70
42450B	Operating Procedures Inspection	90
42451B	Maintenance Procedures Inspection	30
42452B	Emergency Procedures Inspection	60
80330B	Environmental Program - Final Inspection	50
81100B	Physical Protection	50
84330B	Waste Management - Preop. Liquid Waste System	70
84331B	Waste Management - Preop. Gaseous Waste System	70
84332B	Radioactive Waste Systems - Procedures, Measurements	50
85100B	Materials Accountability	0
94300B	Inspection Preparatory to Operating License Issuance	70
*70313B	Witness Containment Leak Rate Test	0
70354B	Evaluation of Test Results - 25% of Category I Tests	50
70355B	Evaluation of Test Results - 25% of Category I Tests	10
*70323B	Evaluation of Test Results - Containment Leak Rate Testing	0
70358B	Evaluation of Test Results - Integrated Hot Functional Testing	0
70325B	Evaluation of Test Results - Vibration Testing	0
70360B	Evaluation of Test Results - Category II Tests	0
70361B	Verification that 1/3 of Category I Tests are Evaluated by Licensee	0
70362B	Verification that 1/3 of Category I Tests are Evaluated by Licensee	0
70363B	Verification that 1/3 of Category I Tests are Evaluated by Licensee	0
70364B	Verification that All Category II Tests are Evaluated by Licensee	0
70365B	Verification that 50% of Category III Tests are Evaluated by Licensee	0
70366B	Verification that 50% of Category III Tests are Evaluated by Licensee	0

*Containment SIT and ILRT are delayed due to separations in the concrete of the reactor building dome.

3. Manual Chapter 2514

<u>Module</u>	<u>Title</u>	<u>Percent Complete</u>
35501B	QA for the Startup Testing Program	10
39501B	Startup Test Program Records	10
72500B	Initial Fuel Loading Procedure Review	80
72568B	Precritical Test Procedure Verification for Category II and Unreviewed Category I Tests	90
72570B	Low Power Test Procedure Review	90
72572B	Low Power Test Procedure Review	90
72578B	Power Ascension Phase Procedure Review	0
72580B	Power Ascension Phase Procedure Review	0
72582B	Power Ascension Phase Procedure Review	0
72584B	Power Ascension Phase Procedure Review	0
72586B	Power Ascension Phase Procedure Verification	80
83530B	Radiation Protection - Startup	0
84530B	Radioactive Waste Systems - Startup and Power Ascension	20

Enclosure B

Outstanding Items

1. Enforcement

Failure to follow procedure for calibration labels for installed instrumentation. (Rpt. 76-11)

2. Unresolved Items

75/8-2 Comments on Preoperational Test Procedures - All comments resolved except use of limit switches to prevent pump runout. Item referred to HQ for resolution on March 17, 1976. (AITS F20133H1)

75/8-3 Operability of Category I Hydraulic Shock and Sway Suppressors (IEB 75-05) - Test data obtained, results being reviewed for acceptance. Surveillance procedure not available for review.

75-8/6 Instruments Inside of Shielded Cubicle - Licensee reviewing A-E recommendation.

75-16/2 Training Completion and Documentation - FSAR amendment is being prepared by licensee.

75-19/4 Testing of Radioactive Waste Sample Lines - Details of test program have not been determined.

75-19/6 Evaluation of Sampling Media Collection Efficiencies

76-6/2 Precritical Test Program

FSAR amendment is being prepared by licensee.

76-9/1 Diesel Generator Control Panels

Licensee making survey and equipment modifications.

3. Other Items

a. Surveillance Specimen Program

Licensee stated that the surveillance specimen capsules will not be installed as described in FSAR 4.4.5 and Appendix H of 10 CFR 50.

Exemption has not been granted by Licencing.

b. Repair of Reactor Building Dome

Lift-off measurements underway. Final decision concerning de-tensioning and repair has not been made.

c. Resolution of Comments in Report 76-7 concerning Emergency Plan Implementation.

d. Resolution of Comments in Report 76-7 concerning test program.

ENCLOSURE C

1/4

Preoperational Testing Status

	<u>Class 1 & 2</u>	<u>Class 3</u>
1. Test Performed and completed	90.5%	84%
2. Test Results approved	55%	47%

Enclosure D

Construction Status

Construction reported 98% complete.

TO (Name and unit) J. Fairbent H&M Branch, DSE THRU: F. Congel, RAB <i>we</i>		INITIALS DATE	REMARKS 50-302 Central File 7/22/76
TO (Name and unit)		INITIALS DATE	REMARKS
TO (Name and unit)		INITIALS DATE	REMARKS
FROM (Name and unit) M. A. Parsont RIS/RAB/DSE P-214 <i>AP</i>		REMARKS SPECIAL LOCATIONS FOR CRYSTAL RIVER Attached please find a copy of the above. An informal copy of same was transmitted on 7/21/76.	
PHONE NO. 27955	DATE 7/22/76		

USE OTHER SIDE FOR ADDITIONAL REMARKS

POOR ORIGINAL

Crystal Gardens, Residences, Bee

TABLE A5
 DIRECTIONS, DISTANCES AND METEOROLOGICAL PARAMETERS
 FOR RESIDENCES WITHIN 5 MILES

<u>Direction</u>	<u>Distance to Nearest Residence and Garden</u>	<u>X/Q (sec · M⁻³)</u>	<u>D/Q (M⁻²)</u>
N	> 4 miles	5.2×10^{-8}	3.9×10^{-10}
NNE	> 4 miles	4.3×10^{-8}	4.3×10^{-10}
NE	> 3 miles	8.7×10^{-8}	9.3×10^{-10}
ENE	> 3 miles	7.7×10^{-8}	8.7×10^{-10}
E	> 3 miles	1.0×10^{-7}	1.5×10^{-9}
ESE	> 4 miles	4.2×10^{-8}	5.2×10^{-10}
SE	> 4 miles	4.4×10^{-8}	3.9×10^{-10}
SSE	> 4 miles	6.2×10^{-8}	2.7×10^{-10}
NNW	> 4 miles	5.1×10^{-8}	3.1×10^{-10}

how do we use these data?

TABLE A6
 DISTANCES TO NEAREST SITE BOUNDARY, BY DIRECTION

<u>Direction</u>	<u>Distance (feet)</u>	<u>Direction</u>	<u>Distance (feet)</u>
N	4,397	S	9,049
NNE	4,515	SSW	7,812
NE	4,928	SW	7,349
ENE	4,465	WSW	7,451
E	7,090	W	8,225
ESE	6,936	WNW	8,120
SE	8,278	NW	5,341
SSE	9,823	NNW	4,567