

Florida Power

CORPORATION
Crystal River Unit 3
Docket No. 50-302

February 23, 1994
3F0294-08

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

Subject: 1993 Annual Reports

Dear Sir:

The following annual reports are submitted for the year 1993.

1. Annual Report of Personnel Exposure in accordance with 10 CFR 20.407, 10 CFR 20.2206(b) [effective 10/1/93] and Technical Specification 6.9.1.5.(a).
2. Annual Report of Reactor Vessel Surveillance Capsules in accordance with Technical Specification 6.9.1.5.(b).
3. Annual Report of Challenges to Pressurizer Relief and Safety Valves in accordance with Technical Specification 6.9.1.5.(e).

Florida Power Corporation (FPC) will implement the Improved Technical Specification (ITS) for Crystal River Unit 3 (CR-3) on March 12, 1994. The ITS contains no requirements for reporting information on reactor vessel surveillance capsules or challenges to pressurizer relief and safety valves. Therefore, this annual report is the final one for Items 2 and 3 above.

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GENERAL OFFICE: 3201 Thirty-fourth Street South • P.O. Box 14042 • St. Petersburg, Florida 33733 • (813) 866-5151

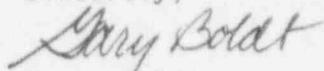
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Reporting requirements for the Annual Report for Personnel Exposure are now specified in 10 CFR 20.2206(b). The next Annual Report of Personnel Exposure will be submitted no later than April 30, 1995.

Sincerely,



G. L. Boldt
Vice President
Nuclear Production

Attachments

GLB/JWT

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

FLORIDA POWER CORPORATION
 ANNUAL STS DOSE REPORT
 FOR PERIOD 01/01/1993 TO 12/31/1993

	NUMBER OF PERSONNEL (>= 100 mREM)			TOTAL MAN-REM		
	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT WORKER AND OTHERS	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT WORKER AND OTHERS
REACTOR OPERATIONS AND SURVEILLANCE						
MAINTENANCE	0	0	0	0.000	0.000	0.000
OPERATION PERSONNEL	15	0	0	4.292	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0	0.013	0.000	0.000
SUPERVISOR PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.000	0.001	0.000
ROUTINE MAINTENANCE						
MAINTENANCE	37	7	39	9.826	2.111	11.417
OPERATION PERSONNEL	2	0	7	1.437	0.164	1.744
HEALTH PHYSICS PERSONNEL	19	0	10	5.084	0.000	3.362
SUPERVISOR PERSONNEL	1	0	37	0.356	0.188	11.744
ENGINEERING PERSONNEL	0	3	9	0.120	1.016	2.817
INSERVICE INSPECTION						
MAINTENANCE	0	0	0	0.000	0.000	0.038
OPERATION PERSONNEL	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0	0.017	0.000	0.000
SUPERVISOR PERSONNEL	0	0	0	0.000	0.000	0.052
ENGINEERING PERSONNEL	0	0	0	0.003	0.000	0.000
SPECIAL MAINTENANCE						
MAINTENANCE	0	0	0	0.000	0.000	0.000
OPERATION PERSONNEL	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0	0.000	0.000	0.000
SUPERVISOR PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.000
WASTE PROCESSING						
MAINTENANCE	0	0	4	0.490	0.021	0.895
OPERATION PERSONNEL	13	0	0	3.392	0.000	0.108
HEALTH PHYSICS PERSONNEL	1	0	0	0.626	0.000	0.057
SUPERVISOR PERSONNEL	1	0	0	0.250	0.003	0.029
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.000
REFUELING						
MAINTENANCE	0	0	0	0.000	0.000	0.000
OPERATION PERSONNEL	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0	0.000	0.000	0.000
SUPERVISOR PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.000
TOTALS						
MAINTENANCE	37	7	43	10.316	2.132	12.349
OPERATION PERSONNEL	30	0	7	9.121	0.164	1.852
HEALTH PHYSICS PERSONNEL	20	0	10	5.741	0.000	3.419
SUPERVISOR PERSONNEL	2	0	37	0.606	0.191	11.824
ENGINEERING PERSONNEL	0	3	9	0.123	1.017	2.817
TOTAL DOSE IN REMS BY CATEGORY				25.907	3.504	32.261
TOTAL STATION DOSE IN REMS				61.672		

WHOLE BODY EXPOSURE FOR CALENDAR YEAR 1993

Licensee Reporting (Name and Address)	NRC License No(s).
FLORIDA POWER CORPORATION CRYSTAL RIVER UNIT 3 15760 W. POWER LINE ST CRYSTAL RIVER, FLORIDA 34428-6708	DPR-72

If personnel monitoring was not required to be provided to any individual during the year, checking this box will constitute a negative report indicating that such personnel monitoring was not required.

OTHERWISE, COMPLETE THE FOLLOWING TABLE:

Estimated Annual Whole Body Exposure Ranges * (Rems)	Number of Individuals in Each Range
No Measurable Exposure.....	1133
Less than 0.100.....	484
0.100 - 0.250.....	169
0.250 - 0.500.....	43
0.500 - 0.750.....	2
0.750 - 1.000.....	0
1.000 - 2.000.....	0
2.000 - 3.000.....	0
3.000 - 4.000.....	0
4.000 - 5.000.....	0
5.000 - 6.000.....	0
6.000 - 7.000.....	0
7.000 - 8.000.....	0
9.000 - 9.000.....	0
9.000 - 10.000.....	0
10.000 - 11.000.....	0
11.000 - 12.000.....	0
Greater than 12.000.....	0
TOTAL NUMBER OF INDIVIDUALS REPORTED	1831

The above information is submitted for the total number of individuals for whom personnel monitoring was: (check one)

Required under 10 CFR 20.202(a) or 10 CFR 34.33(a) during the calendar year.

Provided during the calendar year.

* Individual values exactly equal to the values separating exposure ranges shall be reported in the higher range.

ANNUAL REPORT OF
REACTOR VESSEL MATERIAL SURVEILLANCE CAPSULES
AT CRYSTAL RIVER UNIT 3
IN ACCORDANCE WITH TECHNICAL SPECIFICATION 6.9.1.5(b)

REPORTING PERIOD
JANUARY 1, 1993 TO DECEMBER 31, 1993

CAPSULES CURRENTLY INSTALLED IN THE REACTOR

<u>Holder Tube</u>	<u>Position In Holder Tube</u>	<u>Capsules Installed</u>
ZY	Top Bottom	OC3-F OC1-D
XW	Top Bottom	Empty Empty
YX	Top Bottom	A2 A4
YZ	Top Bottom	TMI2-LG1 TMI2-LG2
WZ	Top Bottom	OC3-E CR3-LG2
WX	Top Bottom	OC2-F TMI1-D

INSERTION/WITHDRAWAL SUMMARY

No refueling outage occurred at CR-3 during 1993, therefore, no changes have taken place since the last report.

OWNERSHIP OF CAPSULES

Florida Power Corporation

No capsules installed

Duke Power Company

OC1-D
OC2-F
OC3-E
OC3-F

GPU Nuclear Corporation

TMI1-D
TMI2-D

B&W Owners Group

A2
A4
CR3-LG2
TMI2-LG1
TMI2-LG2

ANNUAL REPORT OF CHALLENGES TO PRESSURIZER RELIEF
AND SAFETY VALVES IN ACCORDANCE WITH
TECHNICAL SPECIFICATION 6.9.1.5.(e).

REPORTING PERIOD
JANUARY 1, 1993 TO DECEMBER 31, 1993

There was one (1) challenge to the Pressurizer Power Operated Relief Valve (PORV) and zero (0) challenges to the Pressurizer Safety Valves. The one PORV challenge involved testing of the valve in accordance with CR-3 operating procedures.