



**Florida
Power**
CORPORATION

W. P. STEWART, DIRECTOR
POWER PRODUCTION

February 21, 1979

Mr. J. P. O'Reilly, Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

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

Dear Mr. O'Reilly:

Enclosed please find two (2) copies of the Annual Operating Report on personnel exposure and the reactor vessel material surveillance capsules as required by CR #3 Technical Specification 6.9.1.4.

Two (2) copies of the report on the steam generator tubing inservice inspection as required by Technical Specification 4.4.5.5(b) and two (2) copies of the annual report on facility changes, tests and experiments as required by 10 CFR 50.59(b) are also enclosed for your review.

If you have any questions concerning these reports, please contact this office.

Very truly yours,

FLORIDA POWER CORPORATION

W. P. Stewart

W. P. Stewart

WPS/hewT06

Enclosures

cc: Director
Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555 (40 copies)
Director
Office of Management Information and
Program Control
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555 (2 copies)

File: 3-0-3-a-3

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REPORT ON PERSONNEL EXPOSURE

STANDARD REPORT ON NUMBER OF PERSONNEL AND MAN-REM BY WORK AND JOE FUNCTION

THIS REPORT HAS BEEN PREPARED AS REQUIRED BY SIS 6.9.1.5 FOR 1978

WORK & JOE FUNCTION	# OF PERSONNEL (>100REM)			TOTAL MAN-REM		
	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT WORKERS	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT WORKERS
REACTOR OPERATIONS & SURVEILLANCE						
MAINTENANCE PERSONNEL	0	0	0	0.03	0.00	0.03
OPERATING PERSONNEL	25	0	0	6.02	0.00	6.02
HEALTH PHYSICS PERSONNEL	21	0	0	1.32	0.00	0.00
SUPERVISORY PERSONNEL	0	0	0	0.00	0.00	0.00
ENGINEERING PERSONNEL	0	0	0	0.00	0.00	0.00
ROUTINE MAINTENANCE						
MAINTENANCE PERSONNEL	49	21	61	13.93	5.79	42.67
OPERATING PERSONNEL	7	0	0	1.22	0.00	0.00
HEALTH PHYSICS PERSONNEL	7	0	13	1.74	0.00	0.00
SUPERVISORY PERSONNEL	7	0	9	1.59	0.30	6.66
ENGINEERING PERSONNEL	0	1	9	0.07	0.45	4.46
IN SERVICE INSPECTION						
MAINTENANCE PERSONNEL	1	0	14	0.64	0.03	5.40
OPERATING PERSONNEL	0	0	0	0.04	0.00	0.00
HEALTH PHYSICS PERSONNEL	0	0	0	0.04	0.00	0.01
SUPERVISORY PERSONNEL	0	0	1	0.03	0.00	0.29
ENGINEERING PERSONNEL	3	0	1	0.80	0.02	0.51
SPECIAL MAINTENANCE						
MAINTENANCE PERSONNEL	25	6	95	14.48	2.43	120.33
OPERATING PERSONNEL	6	0	0	1.82	0.00	0.00
HEALTH PHYSICS PERSONNEL	1	0	0	12.30	0.00	10.92
SUPERVISORY PERSONNEL	4	0	10	1.27	0.05	8.35
ENGINEERING PERSONNEL	2	0	15	0.35	0.00	10.03
WASTE PROCESSING						
MAINTENANCE PERSONNEL	3	3	4	0.95	0.23	1.16
OPERATING PERSONNEL	0	0	5	0.16	0.00	9.21
HEALTH PHYSICS PERSONNEL	2	0	1	0.79	0.00	2.40
SUPERVISORY PERSONNEL	1	0	0	0.20	0.00	0.17
ENGINEERING PERSONNEL	0	0	0	0.00	0.00	0.01
REFUELING						
MAINTENANCE PERSONNEL	4	3	0	1.34	1.10	0.21
OPERATING PERSONNEL	1	0	0	0.57	0.00	0.00
HEALTH PHYSICS PERSONNEL	0	0	0	0.00	0.00	0.00
SUPERVISORY PERSONNEL	1	0	0	0.25	0.08	0.00
ENGINEERING PERSONNEL	0	0	2	0.00	0.00	1.41
TOTAL						
MAINTENANCE PERSONNEL	82	33	194	31.35	9.56	177.61
OPERATING PERSONNEL	39	0	5	9.84	0.00	5.21
HEALTH PHYSICS PERSONNEL	31	0	14	16.16	0.00	13.32
SUPERVISORY PERSONNEL	13	0	20	3.33	0.43	15.47
ENGINEERING PERSONNEL	5	1	27	1.22	0.47	16.43
TAND TOTAL	170	34	260	61.92	10.46	228.24

SEE ATTACHMENT FOR SPECIAL MAINTENANCE EXCLUDE EXPLANATION, IF APPLICABLE.

CRYSTAL RIVER UNIT #3 WHOLE BODY EXPOSURE (REM) FOR THE YEAR 1976

THIS REPORT HAS BEEN PREPARED AS REQUIRED BY 10CFR20.407(b) (1) (ii)

GROUP = THE TOTAL PLANT (1277 PERSONNEL)

NUMBER OF PEOPLE WITH NO EXPOSURE =	634
EXPOSURE GREATER THAN 0.001 AND LESS THAN 0.099	NUMBER OF PEOPLE = 286
EXPOSURE GREATER THAN 0.100 AND LESS THAN 0.249	NUMBER OF PEOPLE = 114
EXPOSURE GREATER THAN 0.250 AND LESS THAN 0.499	NUMBER OF PEOPLE = 69
EXPOSURE GREATER THAN 0.500 AND LESS THAN 0.749	NUMBER OF PEOPLE = 30
EXPOSURE GREATER THAN 0.750 AND LESS THAN 0.999	NUMBER OF PEOPLE = 22
EXPOSURE GREATER THAN 1.000 AND LESS THAN 1.999	NUMBER OF PEOPLE = 57
EXPOSURE GREATER THAN 2.000 AND LESS THAN 2.999	NUMBER OF PEOPLE = 33
EXPOSURE GREATER THAN 3.000 AND LESS THAN 3.999	NUMBER OF PEOPLE = 8
EXPOSURE GREATER THAN 4.000 AND LESS THAN 4.999	NUMBER OF PEOPLE = 3
EXPOSURE GREATER THAN 5.000 AND LESS THAN 5.999	NUMBER OF PEOPLE = 1
EXPOSURE GREATER THAN 6.000 AND LESS THAN 6.999	NUMBER OF PEOPLE = 0
EXPOSURE GREATER THAN 7.000 AND LESS THAN 7.999	NUMBER OF PEOPLE = 0
EXPOSURE GREATER THAN 8.000 AND LESS THAN 8.999	NUMBER OF PEOPLE = 0
EXPOSURE GREATER THAN 9.000 AND LESS THAN 9.999	NUMBER OF PEOPLE = 0
EXPOSURE GREATER THAN 10.000 AND LESS THAN 10.999	NUMBER OF PEOPLE = 0
EXPOSURE GREATER THAN 11.000 AND LESS THAN 11.999	NUMBER OF PEOPLE = 0
NUMBER OF PEOPLE GREATER THAN OR EQUAL TO 12.000	= 0

Attachment (STS 6.9.1.5 Report)

1978 Report of Special Maintenance Exposures

Special Maintenance exposures recorded during calendar year 1978 were created by an incident involving a failed burnable poison rod hold-down fixture which carried over from the reactor vessel into the "B" once through steam generator and damaged the upper tube ends. The exposure was received during burnable poison rod retrieval, and the steam generator damage evaluation and repair effort.

REPORT ON REACTOR VESSEL
MATERIAL SURVEILLANCE CAPSULES

STANDARD ANNUAL REPORT ON REACTOR VESSEL MATERIAL
SURVEILLANCE CAPSULES AS REQUIRED BY STS 6.9.1.5(b)

Reporting Period

March 1, 1978, to December 31, 1979

Capsules Currently Installed

<u>Holder Tube</u>	<u>Capsules Installed(1)</u>	<u>Closure Assembly Installed</u>
WZ	T-CR3-L1 B-CR3-L2	27-113-2007-60-6
ZY	T-CR3-C B-CR3-A	27-113-2007-60-3
YZ	T-OCII-A B-OCI-A	27-113-2007-60-2
YX	T-OCII-E B-OCIII-D	27-113-2007-60-1
XW	T-CR3-E B-CR3-D	27-113-2007-60-5
WX	T-OCIII-B B-CR3-F	27-113-2007-60-4

Insertions/Withdrawals During Report Period

Insertions: T-CR3-L1, B-CR3-L2, T-CR3-C, B-CR3-A, T-OCII-A, B-OCI-A, T-OCII-E,
B-OCIII-D, T-CR3-E, T-OCIII-B, B-CR3-F

Withdrawals: T-CR3-B

Ownership of Capsules

Florida Power Corporation: T-CR3-L1, B-CR3-L2, T-CR3-C, B-CR3-A, T-CR3-E,
T-CR3-D, T-CR3-F

Duke Power Corporation: T-OCIII-A, B-OCI-A, T-OCII-A, T-OCII-E, B-OCIII-D,
T-OCIII-B

Irradiation Location

See Holder Tube listing

Note:

(1) T=top

B=bottom

REPORT ON STEAM GENERATOR
INSERVICE INSPECTION