

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) CRYSTAL RIVER UNIT 3										DOCKET NUMBER (2) 0 5 0 0 0 3 0 2				PAGE (3) 1 OF 3		
TITLE (4) Failure of Waste Disposal Flow Recorder																
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)						
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES N/A				DOCKET NUMBER(S) 0 5 0 0 0			
0 4	1 1	8 4	8 4	0 0 7	0 0	0 4	2 6	8 4	N/A				0 5 0 0 0			
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 81. (Check one or more of the following) (11)														
1		20.402(b)				20.405(c)				50.73(a)(2)(iv)				73.71(b)		
POWER LEVEL (10)		20.405(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(e)		
0 1 4 1 6		20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vi)				X OTHER (Specify in Abstract below and in Text, NRC Form 366A)		
		20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)				Environmental		
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)				T.S. 5.6.2		
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)						
LICENSEE CONTACT FOR THIS LER (12)																
NAME W.K. Bandhauer, Nuclear Safety Supervisor										TELEPHONE NUMBER 9 1 0 4 7 9 1 5 - 1 6 4 8 1 6						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS						
X	WLD RIRI		B 0 1 4 1 5	No												
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)												X NO				

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

Event 1:

At 0055 on April 11, 1984, a routine secondary plant liquid release was initiated. The flow recorder was functioning properly when the release was begun. Approximately one hour after the release was started, the auxiliary building operator discovered, during his routine periodic check of the recorder, that it had ceased to function. The release was terminated immediately and repair was initiated. Investigation revealed that a pin in the gear mechanism for the chart drive was missing and the drive motor was not meshing with the chart spool.

Event 2:

At 1900 on April 14, 1984, a continuous condensate release was in progress to remove an excess water inventory in the secondary system. During a periodic check of the release path flowrate recorder, the Turbine Building operator discovered that the recorder had stopped functioning. The release was terminated immediately and repair was initiated. Investigation revealed that the gears between the drive motor and the takeup spool were not meshing properly.

The two cases described above were in violation of Environmental Technical Specifications 2.4.1.L and 2.4.1.M. There is a preventative maintenance program under development which, when implemented, will regularly inspect and adjust Technical Specification required recorders in the plant.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1) CRYSTAL RIVER UNIT 3	DOCKET NUMBER (2) 0 5 0 0 0 3 0 2 8 4 -	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
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TEXT (if more space is required, use additional NRC Form 366A's) (17)

EVENT ASSESSMENT

Sequence of Events:Event 1- April 11, 1984

0055 Commenced Offsite liquid release. Recorder Functioning properly.

0205 Operator noted recorder failure and terminated the release.

Event 2- April 14, 1984

2355 April 13, 1984. Commenced continuous condensate release. Recorder functioning properly and being checked on at least an hourly basis.

1900 April 14, 1984. Operator noted recorder failure and terminated the release.

Plant Performance:

1. Pre-Event Review

Event 1

On April 11, 1984, at midnight, Crystal River Unit 3 was in Mode 1 at ninety-six percent reactor power and 852 MWe. All preparations had been completed for an offsite liquid release of the waste neutralizer tank (WD,TK) per procedure "Liquid Release From The Secondary Plant." At 0055 on April 11, 1984, the offsite release of the waste neutralizer tank was commenced. As required by procedure, the operator noted that the recorder was functioning properly and he logged flowrate and radioactive concentration.

Event 2

On April 14, 1984, Crystal River Unit 3 was in Mode 3 and cooling down for repair of a feedwater leak. A continuous condensate release was in progress to remove excess secondary water inventory resulting from use of steam from Crystal River Units 1 and 2. The release was started at 2355 on April 13, 1984. The Turbine Building Operator was monitoring the release and checking the flow recorder on an hourly basis.

2. Event Review and Plant Systems Response

In both of the above cases, the operator was making his rounds and discovered that the flowrate and radioactivity countrate were properly indicated but the chart paper was not advancing properly. This is contrary to the requirements of environmental Technical Specifications 2.4.1.L and 2.4.1.M. The releases were terminated, the control room notified, and maintenance initiated.

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TEXT (If more space is required, use additional NRC Form 366A's) (17)

The Waste Disposal Flow Recorder, WD-28I-FR, (WD,FR) is a Bailey Meter Company manufactured narrow roll recorder 771221AAAA2. This is the second and third recorded failure of WD-28I-FR. There have been four other failures of similar type recorders at this plant.

Operator Actions and Procedure Adequacy:

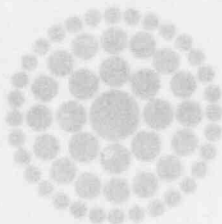
All actions by the operator were appropriate and in accordance with the procedure. The procedure was revised after a previous failure of this recorder on February 1, 1984, and it was this revision and the training provided to the operators that allowed rapid detection of the failures. The procedures were adequate for the evolution being performed.

Safety Considerations:

Failure of the recorder did not affect the automatic protection system from stopping the release if high radioactivity was detected. Therefore, the health and safety of the public were not threatened, and the Crystal River Unit 3 release limits were not exceeded.

Corrective Actions:

A Preventative maintenance procedure is to be implemented to provide routine inspection and adjustment to all Technical Specification required chart recorders. This procedure will be in place by May 1984, and will improve the reliability of all Technical Specification required chart recorders.



**Florida
Power**
CORPORATION

April 26, 1984
3F0484-20

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Crystal River Unit 3
Docket No. 50-302
Operating License No. DPR-72
Licensee Event Report No. 84-007-00

Dear Sir:

Enclosed is Licensee Event Report (LER) No. 84-007-00 which is submitted in accordance with 10 CFR 50.73.

Should there be any questions, please contact this office.

Sincerely,

G.R. Westafer
Manager, Nuclear Operations
Licensing and Fuel Management

AEF:jcf

Enclosure

cc: Mr. James P. O'Reilly
Regional Administrator, Region II
Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
101 Marietta Street N.W., Suite 2900
Atlanta, GA 30303

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