

CONTROL BLOCK: [] [] [] [] [] [] [] [] [] []

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	A	L	B	R	F	1	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	1	4			5																											
7		8		14														25										30										57										CAT 58									
		LICENSE CODE														LICENSE NUMBER										LICENSE TYPE																															

CON'T

REPORT

0 1
2 3

REPORT SOURCE L 6 0 5 0 0 0 2 5 9 7 0 6 2 0 8 0 8 0 5 0 4 8 3 9
60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 With Unit 1 at 92-percent steady state power, TI 36A was being run when an increase
0 3 in pressure was detected on the shell side of I-C RHR heat exchanger. There was no
0 4 danger to the health or safety of the public, and no resulting significant chain of
0 5 events. B and D RHR loops were operable. See Tech Spec 3.5.B.5. Previous
0 6 occurrence BFRO-50-259-80043.

07

0	8		
7	8	9	

0 9 11 12 13 14 15 16

(17) LER/RO REPORT NUMBER: 80
 EVENT YEAR: 80
 SEQUENTIAL REPORT NO.: 049
 OCCURRENCE CODE: 03
 REPORT TYPE: X
 NO.: 1

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS	ATTACHMENT SUBMITTED	NPR-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
X (18)	X (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	N (25)	P 1 6 0
33	34	35	36	37 38 39 40	41	42	43	44

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Disassembly and inspection of the heat exchanger revealed about 30 percent of the
1 1 locking and full nuts on the floating head loosened due to thermal cycling
1 2 and vibration. There were no tube leaks. The exchanger was reassembled and
1 3 tested per MMI-49. For recurrence control, locking tabs were installed on all
1 4 nuts. This has been completed on all units.

FACILITY STATUS		% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION						
1	5	E	(28)	0	9	2	(29)	NA	B	(31)	Found during routine test

ACTIVITY CONTENT
RELEASED OF RELEASE

1 6 2 33 4 34

AMOUNT OF ACTIVITY (35)

NA

LOCATION OF RELEASE (36)

NA

PERSONNEL EXPOSURES										
NUMBER		TYPE		DESCRIPTION (39)						
1	7	0	0	0	37	2	38	NA		

PERSONNEL INJURIES		
NUMBER	DESCRIPTION	(41)
00040	NA	

1		2		3		4		5		6		7		8		9		10		11		12	
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PUBLICATION		ISSUED		DESCRIPTION		NRC USE ONLY	
2	0	N	44	NA			

NAME OF PREPARED BY _____

E. T. Holder

PHONE

(205) 729-0885

LER SUPPLEMENTAL INFORMATION

BFRO-50- 259 / 80049 Technical Specification Involved 3.5.B.5

Reported Under Technical Specification 6.7.2.b.2 * Date Due NRC

Date of Occurrence 6/20/80 Time of Occurrence 1230 p.m. Unit 1

Identification and Description of Occurrence:

RHR heat exchanger 1-C was discovered to have loosened lock nuts during routine test TI-36A.

Conditions Prior to Occurrence:

Unit 1 at 92-percent steady state power.

Unit 2 in routine shut down condition.

Unit 3 at 100-percent steady state power.

Action specified in the Technical Specification Surveillance Requirements met due to inoperable equipment. Describe.

B & D RHR loops were operable.

Apparent Cause of Occurrence:

Nuts had loosened due to thermal cycling and vibration.

Analysis of Occurrence:

No danger to health or safety of the public, no significant resulting chain of events, no damage to plant or equipment, and no release of activity.

Corrective Action:

Heat exchanger was reassembled and tested per MMI-49. Recurrence control as determined by Engineering Design and Outage Management Group, which consisted of installation of locking tabs on all nuts has been completed on all three units.

Failure Data:

LER BFRO-50-259-80043, LER BFRO-50-259-78023, LER BFRO-50-259-77003.

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: 