

CONTROL BLOCK: [] [] [] [] [] [] [] [] [] [] (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

[0][1] | A | L | B | R | F | 3 | [2] | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | [3] | 4 | 1 | 1 | 1 | 1 | [4] | [] | [] | [5]

CONT
[0][1] | REPORT SOURCE | L | [6] | 0 | 5 | 0 | 0 | 0 | 2 | 9 | 6 | [7] | 0 | 4 | 1 | 1 | 8 | 3 | [8] | 0 | 5 | 0 | 9 | 8 | 3 | [9]

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
[0][2] | During normal operation on unit 3, while attempting to establish the EECW
[0][3] | flow rate to the 3 ED Emergency Diesel-Generator Coolers following a
[0][4] | modification, a head on the heat exchanger was found to be cracked. The
[0][5] | generator was rendered inoperable and unit 3 placed in an LCO (T.S. 3.9.B.2).
[0][6] | Redundant systems were proven operable. There was no danger to the health
[0][7] | and safety of the public.

[0][9] | SYSTEM CODE | E | E | [11] | CAUSE CODE | B | [12] | CAUSE SUBCODE | B | [13] | COMPONENT CODE | H | T | E | X | C | H | [14] | COMP. SUBCODE | C | [15] | VALVE SUBCODE | Z | [16]

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
[1][0] | A Young Radiator Company heat exchanger head was found to have an apparent
[1][1] | manufacturing defect which became apparent due to inservice stresses. The
[1][2] | crack in the cast iron head was repaired, tested and the diesel generator was
[1][3] | returned to service. A newly fabricated head will be installed at the
[1][4] | earliest opportunity.

[1][5] | FACILITY STATUS | E | [28] | % POWER | 0 | 9 | 9 | [29] | OTHER STATUS | NA | [30] | METHOD OF DISCOVERY | A | [31] | DISCOVERY DESCRIPTION | Operator observation | [32]

[1][6] | ACTIVITY CONTENT RELEASED OF RELEASE | Z | [33] | Z | [34] | AMOUNT OF ACTIVITY | NA | [35] | LOCATION OF RELEASE | NA | [36]

[1][7] | PERSONNEL EXPOSURES NUMBER | 0 | 0 | 0 | [37] | TYPE | Z | [38] | DESCRIPTION | NA | [39]

[1][8] | PERSONNEL INJURIES NUMBER | 0 | 0 | 0 | [40] | DESCRIPTION | NA | [41]

[1][9] | LOSS OF OR DAMAGE TO FACILITY TYPE | Z | [42] | DESCRIPTION | NA | [43]

[2][0] | PUBLICITY ISSUED | N | [44] | DESCRIPTION | NA | [45]

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LER SUPPLEMENTAL INFORMATION

BFRO-50- 296 / 83026 Technical Specification Involved 3.9.B.2

Reported Under Technical Specification 6.7.2.b(2) * Date Due NRC 5/10/83

Event Narrative:

Units 1, 2 and 3 were operating at 81-percent power, 85-percent power and 99-percent power respectively. Only unit 3 was affected by this event. After performing modification work on the 3 ED Emergency Diesel-Generator Cooler, one of the heat exchanger heads was found to be cracked, apparently due to a manufacturing defect, when the flow rate to the EECW cooler was established. The generator was declared inoperable and unit 3 was placed in an LCO (Technical Specification 3.9.B.2).

The crack in the cast iron head was repaired, tested and the diesel-generator returned to service in four days. A newly fabricated head will be installed at the next opportunity. Metallurgical personnel feel this was a random occurrence and no further review is planned.

Redundant and backup systems were proven operable. There was no danger to the health and safety of the public.

* Previous Similar Events:

None

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP