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REPORT SOURCE

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60	61									68	69						74	75						80
DOCKET NUMBER											EVENT DATE						REPORT DATE							

9 2 | During normal operation, while performing a periodic leak detection program, a
0 3 | weeping leak was found in a cracked 1/2-inch core spray system sample connection
0 4 | pipe. The leakage constitutes an abnormal degradation in primary containment.
0 5 | (T. S. 6.7.2.a.(3). There was no effect on public health and safety. There
0 6 | was no release of radiation as a result of the event.
0 7 |
0 8 |

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

7 8 9

PERSONNEL EXPOSURES

7 8 9 11 12 13
PERSONNEL INJURIES

7 8 9 11 12 8301030053 821223 80

117 2 42 1943

[illegible]

PHONE: (205) 729-0881

LER SUPPLEMENTAL INFORMATION

BFRO-50- 259 / 82099 Technical Specification Involved 6.7.2.a (3)

Reported Under Technical Specification 6.7.2.a.(3) * Date Due NRC 12/26/82

Event Narrative:

Unit 1 was operating normally at 100 percent power; unit 2 was in a refueling outage; and unit 3 was operating normally at 100 percent power. Only unit 1 was affected by this event.

On December 8, 1982, during the performance of Mechanical Maintenance Instruction 93, Leak Reduction Program for Systems Which Could Remove Highly Radioactive Fluids from Primary Containment During a Serious Accident or Transient, a crack was discovered in a 1/2-inch carbon steel core spray system sample connection pipe. The crack occurred at the weld juncture of valve 1-75-598 and 1/2-inch sample line. The 1/2-inch sample line is connected to the core spray test and return line (10 inch). The results of the inspection were reviewed and a maintenance trouble report with instructions was prepared for repair of the crack on December 9 and 10, 1982. No work was performed on the weekend of December 11 and 12, 1982. On December 13, 1982 it was discovered that the cracked line could not be isolated from primary containment. (Technical Specification 6.7.2.a.(3)). Core spray loop I was removed from service and repairs were initiated. Repairs were completed within six hours after discovery that the cracked line could possibly constitute a loss of primary containment integrity. The apparent cause of the crack was fatigue failure induced by vibration. Bracing gussets and stiffeners for the 1/2-inch pipe were in place.

There was no effect on public health and safety. There was no significant occurrence as a result of the event. A design change request will be submitted which removes this sample connection. The existing leak detection program which identified this crack is adequate to detect leaks outside primary containment.

* Previous Similar Events:

None

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JLP