



LER SUPPLEMENTAL INFORMATION

BFRO-50- 260 / 82032 Technical Specification Involved 4.7.A.2.i

Reported Under Technical Specification 6.7.2.b.(4)\* Date Due NRC 11/05/82

Event Narrative:

Unit 1 and unit 3 were both operating normally at 98-percent power and were not affected by this event. Unit 2 was in a refueling outage and main steam isolation valves were being leak tested per Surveillance Instruction 4.7.A.2.g-3. Isolation valves numbered 1-14, 1-15, 1-26, 1-27, 1-37, 1-38 and 1-52 exceeded the allowable leakage rate of 11.5 standard cubic feet per hour (T.S. 4.7.2.i). There was no effect on public health and safety and no resulting significant consequences. The Atwood-Morrill 26-inch size globe valves were leaking past the main disc-seating surface. Valve sealing surfaces will be repaired. A long-term modification program involving changes to valve internal guide ribs, increasing the valve stem size, and increasing the output force of the valve operator is being implemented. (Reference: L. M. Mills' letter to James P. O'Reilly dated June 29, 1982).

Test results are listed on the attached supplemental continuation sheet.

\* Previous Similar Events:

BFRO-259/77023, 78034, 80003, 81014  
260/79007, 80042  
296/78025, 79014, 80058, 80059, 81073

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

\*Revision: JRP

MAIN STEAM ISOLATION VALVE LEAK RATE DATA - UNIT 2, CYCLE 4

<u>Path</u>	<u>Main Steam Line</u>	<u>Valves</u>	<u>Leak Rate in SCFH</u>
X-7A	A (See Note 1)	1-14 1-15	> 180.1 >2964.3
X-7B	B (See Note 2)	1-26 1-27	1167.5 39.4
X-7C	C (See Note 2)	1-37 1-38	783.3 28.9
X-7D	D (See Note 2)	1-51 1-52	2.1 959.3

Note 1 - Valves 1-14 and 1-15 were initially tested simultaneously and the leakage was determined to be 3144.5 (SCFH with 1 psig achieved in the volume.) Subsequently valve 1-14 was removed and plugged to perform a discrete test on valve 1-15. The test on valve 1-15 produced a leak rate of 2964.3 SCFH with 8.5 psig achieved in the test volume. The leak rate for valve 1-14 was determined by taking the difference of these two tests. Thus, the leak rate for valve 1-14 was 180.1 SCFH which would be the leak rate with less than 8.5 psig achieved in the test volume.

Note 2 - Test pressure of 25 psig was achieved during these tests.