

LICENSEE EVENT REPORT

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

01 | S C H B R 2 | 0 0 - 0 0 0 0 0 - 0 0 | 1 1 1 1 1 |

CON'T 01 | L | 0 5 0 0 0 2 6 1 | 0 6 0 3 7 9 | 0 6 1 3 7 9 |

02 | At about 0830 hours on 6/3/79, with the plant in hot shutdown, due to a faulty door interlock mechanism the reactor containment building integrity was breached when personnel leaving the containment opened the inner air lock door not knowing that the outer door was not sealed. The degraded condition was recognized immediately and the inner door reclosed. The breach of containment integrity is contrary to Technical Specification 3.6.1.a. No release resulted due to a containment purge being in progress.

09 | S A | E | B | P E N E T R | A | Z |

17 | 7 9 | 0 1 6 | 0 1 | T | 0 | 0 0 0 0 | Y | Y | A | C 3 1 0 |

10 | The cause of the breach of containment integrity was a sheared bolt in the personnel air lock door interlock mechanism. Containment access was made using extra precautions to maintain containment integrity until the sheared bolt was replaced by maintenance personnel and the interlock mechanism was returned to service.

15 | H | 0 0 0 | NA | A | Operator Observation |

16 | Z | Z | NA | NA |

17 | 0 0 0 | Z | NA |

18 | 0 0 0 | NA |

19 | Z | NA |

20 | N | NA | R. B. Starkey, Jr. | 7906180506 | (803) 383-4524

SUPPLEMENTAL INFORMATION
FOR
LICENSEE EVENT REPORT 79-16

1. Cause Description and Analysis:

At about 0830 hours on June 3, 1979, with the plant in hot shutdown, due to a faulty door interlock mechanism, the reactor containment building integrity was breached when personnel leaving the containment opened the inner door of the personnel air lock not knowing that the outer door was not sealed. As the inner door opened, the person felt air come into containment and recognizing the outer door was open, immediately re-closed the inner door. The failure apparently occurred during a previous entry or exit. The interlock prevents both doors from being opened simultaneously, thereby preserving containment integrity. A failure of the interlock would not be apparent until one door was opened with the other not fully closed. The outer door, due to some unknown reason, had not been fully closed on this occasion. A containment purge was in progress at this time so there was no release of activity and no threat to the public safety or health. The breach of containment integrity is contrary to Technical Specifications 3.6.1.a and is reportable under 6.9.2.a.3.

2. Corrective Action:

The door interlock mechanism was inspected and a sheared bolt was identified as causing the defeat of the interlock. The bolt was replaced with a high tensile strength bolt.

3. Corrective Action to Prevent Further Occurrence:

A high tensile strength bolt was used to replace the sheared bolt in an effort to prevent a recurrence of this type failure. Due to an unusually high level of activity inside the containment, this outage, as a result of efforts such as base plate inspection (IE Bulletin 79-02) and implementation of Fire Protection Modifications, in addition to routine refueling activities, the airlock system including the interlock mechanism was subject to an unusual amount of use by a significant number of non-plant personnel. As a result of this type of use, the airlock operating mechanisms had experienced a number of failures during the outage, however, none of these had resulted in the breaking of containment integrity. It is believed that this type of use may have been instrumental in the above failure. Therefore, plant personnel whose routine responsibilities require frequent use of this system will review this event in an effort to reiterate the importance of the proper use of this airlock and to alert them to the potential consequences of misuse by non-plant personnel.

No further action at this time is considered necessary.