

Central file

Date: DEC 6 1976

Serial No.: IE-RID-76-25

TRANSFER OF LEAD RESPONSIBILITY

To: Karl R. Goller, Assistant Director for Operating Reactors, NRR

Subject: FLOODING OF TURBINE BUILDING AT OCONEE UNITS NOS. 1, 2 & 3
DOCKET NOS. 50-269, 50-270 and 50-287

Responsible Branch Chief: Karl V. Seyfrit

Description of Item Requiring Resolution:

On October 9, 1976, flooding occurred in the turbine building. Unit No. 3 was shut down for refueling. The Unit No. 3 condenser had five manways open for maintenance.

The incident occurred when the electrical supply to the air controllers on the six 78-inch condenser outlet valves was lost. This caused the valves to attempt to open. One of the six strongbacks, installed on the valves as a safety measure, failed and one 78-inch valve opened. The lake water backflowed through the open manways until electrical power was restored 32 minutes later, and the open valve was closed. The water came within five inches of flowing over the curbs at the entrances to the auxiliary building. Further flooding could have rendered the high pressure injection, low pressure injection, containment spray and all sources of water to the steam generators for all units inoperable. The turbine and auxiliary buildings are common to all units.

The possibility exists for an incident which could cause more severe flooding from rupture of a pipe downstream of the 78-inch condenser valve in the turbine building or failure of the valve housings. Another possibility is rupture of the condenser which could damage the outlet valves adjacent to the condenser. A seismic event could cause such a failure.

Recommendations and Proposed Course of Action:

1. The Division of Operating Reactors (DOR) will review the flooding incident and determine if the licensee's proposed course of action is appropriate.

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- 2. ~~At the conclusion of the review, DOR will notify the Office of Inspection and Enforcement (IE) of their results. If there is a need for additional information or new requirements are to be imposed on the licensee, both the licensee and IE will be so advised.~~
- 3. IE will provide additional information as required and verify adherence to any new requirements imposed by DOR.

Concurrence:

 Boyce H. Grier, Director, Division of Reactor Inspection Programs, IE Date

 Karl R. Collier, Assistant Director for Operating Reactors, NRR Date

Enclosures:

- 1. Memorandum from F. J. Long to K. V. Seyfrit dated October 29, 1976.
- 2. Licensee Event Report RO 287/76-18 dated October 25, 1976.

- cc: V. Stallo, OR
 A. Schwencer, OR
 D. J. Neighbors, OR
 D. Thompson, IE
 G. W. Rainnuth, IE
 K. V. Seyfrit, IE
 J. H. Sniezek, IE
 G. W. Roy, IE
 J. P. O'Reilly, IE:I
 W. C. Moseley, IE:II
 J. G. Keppler, IE:III
 E. M. Howard, IE:IV
 R. H. Engelkan, IE:V
 T. Abell, MIPC
 H. K. Shapar, ELD

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DATE →	11/ /76	11/ /76	11/ /76	11/ /76		

Karl R. Goller

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DEC 6 1976

2. IF all provide additional information as required and verify adherence to any new requirements imposed by DOR.

Concurrence:

Boyce H. Grier, Director, Division of Reactor Inspection Programs, IE Date

Karl R. Goller, Assistant Director for Operating Reactors, DOR Date

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SEE PREVIOUS YELLOW FOR CONCURRENCES

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11/29/76	11/ /76	11/ /76	11/ /76