

Report Date: 5/22/74

Occurrence: 5/21/74

Initial Written Report Date: 5/22/74

Time of Occurrence: 1530

OYSTER CREEK NUCLEAR GENERATING STATION
FORKED RIVER, NEW JERSEY 08731

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POOR QUALITY PAGES

Abnormal Occurrence
Report No. 50-219/74/ 33

IDENTIFICATION
OF OCCURRENCE:

Violation of the Technical Specifications, paragraph 3.4.B.4, when it was observed that both auto-depressurization system initiation timers, 16M232A and 16M232B, failed to complete their timing cycle in less than two minutes.

This event is considered to be an abnormal occurrence as defined in the Technical Specifications, paragraph 1.15B & D.

CONDITIONS PRIOR
TO OCCURRENCE:

- | | |
|--|--|
| <input type="checkbox"/> Steady State Power | <input type="checkbox"/> Routine Shutdown |
| <input type="checkbox"/> Hot Standby | <input type="checkbox"/> Operation |
| <input type="checkbox"/> Cold Shutdown | <input type="checkbox"/> Load Changes During |
| <input checked="" type="checkbox"/> Refueling Shutdown | <input type="checkbox"/> Routine Power Operation |
| <input type="checkbox"/> Routine Startup | <input type="checkbox"/> Other (Specify) |
| <input type="checkbox"/> Operation | |

The reactor mode switch was in REFUEL with the cavity flooded.

DESCRIPTION
OF OCCURRENCE:

While performing the annual automatic initial test of the auto-depressurization system, it was observed that both system initiation timers, 16M232A and 16M232B, completed their cycle in 169 seconds and 127 seconds, respectively, which is greater than the maximum allowable of 120 seconds. The timers act to delay the opening of the valves and the subsequent depressurization of the reactor vessel for a time period of 120 seconds after

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receiving coincident triple low reactor water level, high dry-well pressure, and 230 psig at the discharge of one core spray booster pump signals. The timers may be manually recycled by the operation of a keylock reset switch located on Panel 1F/2F in the control room in the event of spurious initiation. It should be noted that system initiation will occur as soon as any one timer completes its cycle.

APPARENT CAUSE
OF OCCURRENCE:

<input type="checkbox"/>	Design	<input type="checkbox"/>	Procedure
<input type="checkbox"/>	Manufacture	<input type="checkbox"/>	Unusual Service Condition
<input type="checkbox"/>	Installation/	<input type="checkbox"/>	Inc. Environmental
<input type="checkbox"/>	Construction	<input type="checkbox"/>	Component Failure
<input type="checkbox"/>	Operator	<input type="checkbox"/>	Other (Specify)

The cause of the occurrence is presently under investigation.

ANALYSIS OF
OCCURRENCE:

The auto-depressurization system is required to depressurize the reactor vessel to less than 285 psig in the event of a small break design bases LOCA. In this event, it is possible for the reactor pressure to remain above the core spray permissive level with a continued loss of reactor coolant inventory until such time as the auto-depressurization system initiates. System initiation would have been delayed by approximately seven seconds had it been required to function as part of the ECCS. The significance of this delay is under investigation.

CORRECTIVE
ACTION:

The timers were reset and were observed to time out in less than two minutes. The results of which were: 16M232A, 117 seconds; 16M232B, 120 seconds.

FAILURE DATA:

Type: GE CR120 K 1. Unit
Model: D2241AA
Rate: D-5 minute adjustable

Prepared by: Arthur H. Rose Date: 5/22/74
