To: James P. O'Reilly
Directorate of Regulatory Operations
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

From: Jersey Central Power & Light Company
Oyster Creek Nuclear Generating Station, Docket #50-219
Forked River, New Jersey 08731

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

The following is a preliminary report being submitted in compliance with the Technical Specifications paragraph 6.6.2.

Preliminary Approval:

J. T. Carroll, Jr. 5/22/74
Date

cc: Mr. A. Giambusso

BP535

Initial Telephone Report Date: 5/22/74

Date of 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

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:

____	Steady State Power	____	Routine Shutdown Operation
____	Hot Standby	____	Load Changes During Routine Power Operation
____	Cold Shutdown	____	Other (Specify)
X	Refueling Shutdown		
____	Routine Startup 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 riod of 120 seconds after

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:

____ Design	____ Procedure
____ Manufacture	____ Unusual Service Condition
____ Installation/ Construction	Inc. Environmental
____ Operator	____ Component Failure
	____ 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: 16M252A, 117 seconds; 16M252B, 120 seconds.

FAILURE DATA: Type: GE CR120 KT Delay Unit
Model: 822414A
Range: 0-5 minute adjustable

Prepared by: Arthur K Rose Date: 5/22/74