



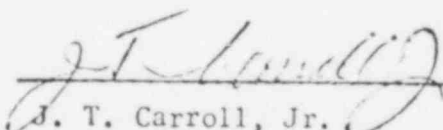
To: James P. O'Reilly  
Directorate of Regulatory Operations  
Region I  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

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

Subject: Abnormal Occurrence Report No. 50-219/74/30

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

Preliminary Approval:

 5/15/74  
J. T. Carroll, Jr. Date

cc: Mr. A. Giambusso ✓

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Initial Telephone

Report Date: 5/15/74

Date of

Occurrence: 5/14/74

Initial Written

Report Date: 5/15/74

Time of

Occurrence: 1540

OYSTER CREEK NUCLEAR GENERATING STATION  
FORKED RIVER, NEW JERSEY 08731

Abnormal Occurrence

Report No. 50-219/74/30

IDENTIFICATION  
OF OCCURRENCE:

Violation of the Technical Specifications, Table 3.1.1.A.12, which requires the generator load rejection scram to be operable at turbine steaming rates greater than 40% of rated while in the RUN mode.

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

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	

DESCRIPTION  
OF OCCURRENCE:

While performing routine surveillance testing on the generator load rejection anticipatory scram, it was observed that pressure switch PSM-C failed to trip at the nominal trip pressure of 180 psig. The switch senses third stage extraction pressure from the H. P. turbine and forms a bypass around the PSL-C pressure switch contacts, which senses acceleration relay oil pressure, and the turbine stop valve position switch contacts. These act

to initiate a reactor scram through the condenser low vacuum contacts in the scram circuitry (1K11, 1F12, 2K11, and 2F12). As part of the surveillance test, PSH-C was pressurized to 180 psig without the corresponding trip. The pressure was increased to ascertain the trip point and it was found to operate at 197 psig. A third stage extraction pressure of 180 psig corresponds to turbine steam flow of 40% and 197 psig corresponds to a flow of approximately 45%. Therefore, the bypass around the PSL-C and S. V. position switch contacts would have been in effect at 45% turbine flow during power operation instead of 40%. It should be noted that its associated redundant switch PSH-A performed satisfactorily.

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 safety significance of this occurrence is minimal since the redundant switch (PSH-A) performed satisfactorily. In addition the purpose of the switch is to bypass the reactor scram due to turbine trip at a point when the bypass valves are able to accept the reactor steam production. The anticipatory scram acts to minimize fuel thermal transients in the event of a turbine trip with failure to bypass at power levels in excess of 1600 MWt.

Since the plant is designed to withstand this transient at 1600 Mwt, the switch operation at 44% of rated steam flow would, in the event the redundant switch failed to operate, be of no concern.

CORRECTIVE  
ACTION:

The switch was recalibrated and tested satisfactorily.

FAILURE DATA:

Manufacturer: Barksdale #B2T-A12SS  
Range: Adjustable from 50-1200 psig  
Proof Pressure: 1800 psig

Prepared by:

Arthur H. Roney

Date:

5/15/74