

Initial Telephone  
Report Date: January 24, 1976

Date of  
Occurrence: January 23, 1976

Initial Written  
Report Date: January 26, 1976

Time of  
Occurrence: 1437

OYSTER CREEK NUCLEAR GENERATING STATION  
FORKED RIVER, NEW JERSEY 08731

Reportable Occurrence  
Report No. 50-219-76-4-1P

IDENTIFICATION  
OF OCCURRENCE:

Unplanned automatic shutdown of the 1-1 Emergency Diesel Generator during surveillance testing.

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

CONDITIONS PRIOR  
TO OCCURRENCE:

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

The reactor was shutdown with the mode switch in the "Refuel" position. Reactor coolant temperature was approximately 90°F.

DESCRIPTION  
OF OCCURRENCE:

On January 23, 1976 at 1425 the 1-1 Emergency Diesel Generator was started. The startup and operation of the Diesel was normal for 12 minutes, when at 1437 the diesel generator automatically shutdown and the engine fault annunciator was actuated. The 1-2 Emergency Diesel had been tested earlier on January 23, 1976 and had demonstrated operability.

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 checked="" type="checkbox"/> Component Failure
<input type="checkbox"/> Operator	<input type="checkbox"/> Other (Specify)

The cause of the shutdown was determined to have been a trip of the low cooling water pressure sensor. This device initiates a shutdown of the Diesel engine when cooling water pressure to the engine is less than 10" H<sub>2</sub>O above the air box pressure. The cause of the low pressure was found to be a loss of engine coolant through a leak in the radiator.

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ANALYSIS OF  
OCCURRENCE:

The safety significance of this occurrence is the unavailability of one power source to supply the engineered safety feature equipment. The 1-2 Emergency Diesel Generator, two 34.5 KV lines, and two 230 KV lines remained as available power sources to this equipment.

CORRECTIVE  
ACTION:

The 1-1 Emergency Diesel Generator radiator will be repaired and the 1-1 Emergency Diesel returned to service. Until the 1-1 Emergency Diesel is proven operable the 1-2 Emergency Diesel will be tested daily and none of the engineered safety equipment associated with the 1-2 Diesel will be permitted to be placed out of service.

FAILURE DATA:

Emergency Diesel Generator 1-1 Radiator.

Manufactured by: Electro-Motive Division  
General Motors Corporation  
La Grange, Illinois

Prepared by: Frank H. Rodies, Jr.  
Frank H. Rodies, Jr.

Date: 1/26/76

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Jersey Central Power & Light Company  
Oyster Creek Nuclear Generating Station  
Forked River, New Jersey 08731

Reportable  
~~CONFIDENTIAL~~ Occurrence Report No. 50-219/76-4-1P

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

**Preliminary Approval:**

J. T. Carroll, Jr. Date

Foger Boyd  
CC: 13600ALCUTER000000