

# PSE&G

Public Service Electric and Gas Company 80 Park Plaza Newark, N.J. 07101 Phone 201/430-7000

June 19, 1981

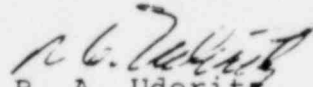
Mr. Boyce H. Grier  
Director of USNRC  
Office of Inspection and Enforcement  
Region 1  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Dear Mr. Grier:

LICENSE NO. DPR-75  
DOCKET NO. 50-311  
REPORTABLE OCCURRENCE 81-22/03L

Pursuant to the requirements of Salem Generating Station Unit No. 2 Technical Specifications, Section 6.9.1.9.b, we are submitting Licensee Event Report for Reportable Occurrence 81-22/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

  
R. A. Uderitz  
General Manager -  
Nuclear Production

CC: Director, Office of Inspection  
and Enforcement (30 copies)  
Director, Office of Management  
Information and Program Control  
(3 copies)

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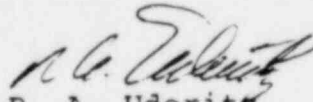
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Report Number: 81-22/03L  
Report Date: June 19, 1981  
Occurrence Date: 5-20-81  
Facility: Salem Generating Station, Unit 2  
Public Service Electric & Gas Company  
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Movable Control Assemblies - Rod 2D4 Dropped

CONDITIONS PRIOR TO OCCURRENCE:

Mode 2 - Rx Power 0% - Unit Load 0 MW

DESCRIPTION OF OCCURRENCE:

Action Statement 3.1.3.lc was entered at 0840 on May 20, 1981 when Rod 2D4 dropped. Emergency Instruction I.4.8 - Rod Control System Malfunction Part IV Dropped Rod - was performed unsuccessfully. At 0940 a manual Reactor Trip was initiated.

This occurrence constituted operation in a degraded mode IAW Technical Specification 6.9.1.9.b.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Equipment failure. Subsequent investigation disclosed an open circuit in the CRDM connector at the reactor vessel head. The connector pin failed due to corrosion within the connector. A random sampling of several other connectors disclosed no other cases of corrosion.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.1.3.lc requires that with one full length rod inoperable or misaligned from the group step counter demand height by more than  $\pm 12$  steps (indicated position), power operation may continue provided that within one hour the rod is restored to operable status within the alignment requirements.

CORRECTIVE ACTION:

The connector pin that had failed was replaced in kind and a functional test was performed satisfactorily.

Action Statement 3.1.3.lc was terminated at 0940 hours on May 20, 1981.

FAILURE DATA:

Crouse - Hinds  
Connector pin was replaced in kind.

Prepared By J. J. Espey

N. J. [Signature]  
Manager - Salem Generating Station

SORC Meeting No. 81-50