



PSEG

Public Service Electric and Gas Company P.O. Box E Hancocks Bridge, New Jersey 08038

Salem Generating Station

September 3, 1982

Mr. R. C. Haynes
Regional Administrator
USNRC
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Haynes

LICENSE NO. DPR-70
DOCKET NO. 50-272
REPORTABLE OCCURRENCE 81-34/03X-1
SUPPLEMENTAL REPORT

Pursuant to the requirements of Salem Generating Station
Unit No. 1 Technical Specifications, Section 6.9.1.9.d,
we are submitting supplemental Licensee Event Report for
Reportable Occurrence 81-34/03X-1.

Sincerely yours,

H. J. Midura
General Manager -
Salem Operations

RH:ks 7.47.

CC: Distribution

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PDR ADOCK 05000272
S PDR

The Energy People

95-2189 (20M) 11.81

Report Number: 81-34/03X-1
Report Date: 09-03-82
Occurrence Date: 02-10-81
Facility: Salem Generating Station, Unit 1
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Leak in Spent Fuel Pit.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 100% - Unit Load 1130 MWe.

DESCRIPTION OF OCCURRENCE:

During an inspection of the Spent Fuel Pit, a leak of approximately 2.7 liters/hour was discovered at telltale drain number 6. The Spent Fuel Pit level has been maintained at 23 feet of water over the top of the irradiated fuel assemblies seated in the storage racks in accordance with Technical Specification 3.9.11 since the occurrence.

This occurrence constituted an abnormal degradation of a system designed to contain radioactive material resulting from the fission process in accordance with Technical Specification 6.9.1.9.d.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The apparent cause of the occurrence was leaking welded seams.

ANALYSIS OF OCCURRENCE:

Various non-destructive examinations were utilized to determine the cause of the leakage. Four areas with weld flow indications were identified: one 3" defect in a side wall; three ½" defects in the floor seams.

CORRECTIVE ACTION:

A stainless steel plate was welded over the defect in the wall, and epoxy was used to seal the floor seams. Average leakage was reduced to 30 ml/hr. A Design Change Package was then issued to have ultrasonic testing performed on all seams of No. 1 Spent Fuel Pit. The problem areas were identified and weld repairs were made in accordance with approved procedures.

FAILURE DATA:

Not Applicable.

Prepared By R. Heller

[Signature]
General Manager -
Salem Operations

SORC Meeting No. 82-80