



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

Salem Generating Station

September 8, 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 82-065/03L

Pursuant to the requirements of Salem Generating Station Unit No. 1, Technical Specifications, Section 6.9.1.9.b, we are submitting Licensee Event Report for Reportable Occurrence 82-065/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

H. J. Midura
General Manager -
Salem Operations

RH:ks *242*

CC: Distribution

Report Number: 82-065/03L
Report Date: 09-08-82
Occurrence Date: 08-18-82
Facility: Salem Generating Station, Unit 1
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Radiation Monitoring System - Inoperable.

This report was initiated by Incident Report 82-244.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 100% - Unit Load 1070 MWe.

DESCRIPTION OF OCCURRENCE:

At 1830 hours, August 18, 1982, during routine operation, the Control Room Operator received an "APD Trouble" Alarm and a "Filter Failure" Alarm on the Radiation Monitoring System. An attempt was made to clear the alarms by advancing the filter paper, however, the alarms did not clear. The Radiation Monitoring System, Channels 1R11A, 1R12A, and 1R12B were declared inoperable and Limiting Condition for Operation Action Statement 3.3.3.1b Actions 20 and 22 were entered at 1830 hours.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Investigation of the occurrence revealed the problem to be a torn filter paper which jammed in the unit.

ANALYSIS OF OCCURRENCE:

The Radiation Monitoring System provides indication of the concentration of radioactive gas and particulate in containment for the purpose of detecting Reactor Coolant System (RCS) leakage. It is also used to ensure that the release rate during purging or pressure relief is maintained below limits specified by the Technical Specifications; a high radioactivity level initiates automatic closure of the containment purge duct and pressure relief isolation valves.

ANALYSIS OF OCCURRENCE: (continued)

Redundant RCS leak detection capability is provided by the Containment Sump Monitoring System. Backup for the containment purge and pressure functions is provided by the Plant Vent Effluent Monitor 1R16, and relies on operator action to isolate the vent path. Failure of the Radiation Monitoring System, therefore, constitutes operation in a degraded mode permitted by a Limiting Condition for Operation, and is reportable in accordance with Technical Specification 6.9.1.9.b. Due to backup monitoring capability, the event resulted in no risk to the health or safety of the general public.

Limiting Condition for Operation 3.3.3.1b Action 20 requires:

With only two of the RCS leakage detection systems operable, operation may continue for up to 30 days provided grab samples of the containment atmosphere are obtained and analyzed at least once per 24 hours when the required gaseous and/or particulate monitoring system is inoperable; otherwise be in at least hot standby within the next 6 hours and in cold shutdown within the following 30 hours.

Action 22 requires:

With the containment purge and pressure vacuum relief isolation system inoperable, close each of the purge and pressure relief penetrations providing direct access from the containment to the outside atmosphere.

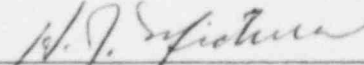
CORRECTIVE ACTION:

The containment purge duct and pressure relief isolation valves were maintained closed, in compliance with the limiting condition for operation. The filter paper was replaced and the Radiation Monitoring System was tested satisfactorily. At 2200 hours, August 18, 1982, the Radiation Monitoring System, Channels 1R11A, 1R12A, and 1R12B were declared operable, and Limiting Condition for Operation Action Statement 3.3.3.1b Actions 20 and 22 were terminated.

FAILURE DATA:

Not Applicable.

Prepared By R. Heller



General Manager -
Salem Operations

SORC Meeting No. 82-82