GPU Nuclear
P.O. Box 388
Forked River, New Jersey 08731
609-693-6000
Writer's Direct Dial Number:

June 25, 1982

Mr. Ronald C. Haynes, Administrator
Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Dear Mr. Haynes:

Subject: Oyster Creek Nuclear Generating Station
Docket No. 50-219
Licensee Event Report
Reportable Occurrence No. 50-219/82-32/03L

This letter forwards three copies of a Licensee Event Report to report Reportable Occurrence No. 50-219/82-32/03L in compliance with paragraph 6.9.2.b.2 of the Technical Specifications.

Very truly yours,

Peter B. Fiedler
Vice President & Director
Oyster Creek

PBF:lse
Enclosures

cc: Director (40 copies)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Director (3)
Office of Management Information and
Program Control
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

NRC Resident Inspector (1)
Oyster Creek Nuclear Generating Station
Forked River, NJ 08731

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OYSTER CREEK NUCLEAR GENERATING STATION
Forked River, New Jersey 08731

Licensee Event Report
Reportable Occurrence No. 50-219/82-32/03L

Report Date

June 25, 1982

Occurrence Date

May 24, 1982

Identification of Occurrence

At approximately 0500 hours, the output of the "B" Main Steam Line Tunnel Radiation Monitor failed in a downscale direction. Since reliable operability for this monitor was lost (reference Technical Specifications, Section 3.1, Table 3.1.1, Items A7 and B6), this event is considered to be a reportable occurrence as defined in paragraph 6.9.2.b.2 of the Technical Specifications.

Conditions Prior to Occurrence

The reactor was undergoing a normal controlled shutdown.

Mode Switch Position: Run
MWt: 462
MWe: 110

Description of Occurrence

The "B" Main Steam High Radiation Monitor failed downscale while conducting a normal reactor shutdown. This monitor provides a High Radiation Alarm and an input to the Reactor Protection Trip System. The reactor shutdown was continued and the action statement and Technical Specification Table 3.1.1 was satisfied.

Diagnostic results indicated that the downscale reading was due to the front end amplifier tube operating in a cut-off state. The zero control that regulates grid bias on the amplifier tube needed readjustment in order to be restored to an operable status.

Apparent Cause of Occurrence

Drift of the grid voltage control circuit on the front end amplifier was the apparent cause of the monitor to fail downscale.

Analysis of Occurrence

The Main Steam Line Tunnel Radiation Monitor provides a low level alarm, a high level alarm, and a high-high level trip signal to the Reactor Protection System. There are four such monitors that provide a one-out-of-two twice logic for a reactor scram on high-high radiation in the main steam line. Since the redundant monitor and channel were fully operational, the safety significance of this event is minimal.

Corrective Action

The immediate corrective action was to diagnose the problem area, which led to the replacement of the drawer section of the monitoring system. The problem with the failed drawer was corrected, and the drawer was returned to service as an operational spare.

Failure Data

General Electric Co.
Log Radiation Monitor
Model 194X629G1