

GPU Nuclear Corporation
Post Office Box 388
Route 9 South
Forked River, New Jersey 08731-0388
609 971-4000
Writer's Direct Dial Number:

C321-92-2202 July 8, 1992

U.S. Nuclear Regulatory Commission Attn: Document Control Desk Washington, D.C. 20555

Gentlemen:

Subject:

Oyster Creek Nuclear Generating Station

Docket No. 50-219 Licensee Event Report

This letter forwards one (1) copy of Licensee Event Report 92-008.

J.J/Barton

Nige/President and Director

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cc:

Administrator, NPC Region 1 Senior NRC Resident Inspector Oyster Creek NRC Project Manager

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During a plant startup on June 8, 1992, one of the isolation condensers became inoperable thus requiring a technical specification required shutdown. This condition is considered to be reportable as defined in 10 CFR 50.73(a)(a)(i)(A). The cause of the shutdown was a packing leak on V-14-33 which has been attributed to a scored stem. The cause of the damaged stem is unknown at this time and will be provided in a supplement to this report after the valve is dismantled at some future date. The safety significance of this event is considered minimal since during this period the "A" isolation condenser was available for operation. The stem was stoned and smoothed and the valve was repacked and returned to service.

ABSTRACT (Limit to 1400 species i.e., approximate) is lean single-space typewritten lines (18)

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#### DATE OF OCCURRENCE

The event described within this report occurred on June 8, 1992.

## IDENTIFICATION OF OCCURRENCE

During a plant startup, one of the isolation condensers became inoperable thus requiring a technical specification required shutdown. This condition is considered to be reportable as defined in 10 CFR 50.73(a)(2)(i)(A).

## DESCRIPTION OF OCCURRENCE

On June 8, 1992, at approximately 0535 hours, the control room received a report of a packing leak in the vicinity of the isolation condenser (EIIS-BL) valves (CFI-ISV). At 0635 hours, it was determined the packing leak was associated with the "B" isolation condenser steam inlet valve V-14-33. At 1400 hours, valve V-14-33 and the associated "B" isolation condenser were declared inoperable while evolutions were in progress to adjust the packing and prepare for the necessary post maintenance testing. This condition required the plant to enter a 30 hour technical specification required shutdown. The adjustment to the packing was unsuccessful in stopping the leak, therefore valve V-14-33 was manually backseated to stop the leakage. The plant shutdown continued and at 1059 hours all control rods were fully inserted. Cold shutdown conditions were reached at C410 hours on June 9, 1992.

# APPARENT CAUSE OF OCCURRENCE

The cause of the shutdown was a packing leak on V-14-33 which has been attributed to a scored stem. This valve is relatively new and was installed during the last refueling outage. The cause of the damaged stem is unknown at this time and will be provided in a supplement to this report after the valve is dismantled at some future date.

# ANALYSIS OF OCCURRENCE AND SAFETY SIGNIFICANCE

The purpose of the isolation condenser is to depressurize the reactor and remove decay heat without reducing coolant inventory in the event that the main condenser is unavailable as a heat sink.

Technical specifications require two isolation condenser loops to be operable during power operation and any time reactor temperature is above 212 F (except during pressure vessel testing). If one isolation condenser is found to be inoperable during the run mode, the reactor may remain in operation for a period not to exceed seven days provided the motor operated valves in the operable isolation condenser loop are demonstrated daily to be operable. Since the reactor mode switch was still in the startup position and temperature was above 212 i, a reactor shutdown was required within 30 hours.

The safety significance of this event is considered minimal since during this period the "A" isolation condenser was available for operation.

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CORRECTIVE ACTION

Immediate corrective action was taken to stone the stem and repack the valve. Subsequently, the valve was backseated to minimize steam leakage. The root cause of the stem scoring is not known. A supplemental report will be submitted when the root cause has been determined.

### SIMILAR EVENTS

LER 89-013, "Technical Specification Shutdown due to Isolation Condenser Valve Operator Failure".

### FAILURE DATA

Manufacturer:

Anchor/Darling

Type:

900-DD Gate Valve (Double Disk)

Size:

10 inch