GPU Nuclear

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February 19, 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. 50-219/82-03/3L

This letter forwards three copies of a Licensee Event Report to report Reportable Occurrence No. 50-219/82-03/3L in compliance with paragraph 6.9.2.b.1 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. 50-219/82-03/3L

Report Date

February 19, 1982

Occurrence Date

January 22, 1982

Identification of Occurrence

During surveillance testing, the Containment Spray High Drywell Pressure Indicating Switch IP-15B tripped at a value greater than the value given in the Technical Specifications, Table 3.1.1, Item E.1.

This event is considered to be a reportable occurrence as defined in the Technical Specifications, paragraph 6.9.2.b.1.

Conditions Prior to Occurrence

The plant was in the cold shutdown condition.

Description of Occurrence

During performance of the "Containment Spray System Automatic Actuation Test" (Surveillance Procedure 607.3.002) on January 22, 1982, the IP-15B trip point was found to exceed the Technical Specification desired setpoint. Testing of the four sensors yielded the following data:

Switch Designation	Desired Setpoint	As Found (psig)	As Left (psig)
IP-15A	≤2.0 psig	1.97	1.88
IP-15B	≤2.0 psig	2.11	1.76
IP-15C	≤2.0 psig	1.98	1.80
IP-15D	≤2.0 psig	2.00	1.75

Apparent Cause of Occurrence

The cause of the occurrence was instrument repeatability. The switch IP-15B was originally set at 1.97 psig and it tripped at 2.11 psig. The range for repeatability is 2-3% of full range, which in the case of the IP-15 switches is 0.2-0.3 psig. The difference of .14 psig for IP-15B between the setpoint and the actual trip point clearly falls within the range of instrument repeatability.

Analysis of Occurrence

The Containment Spray System consists of two independent cooling loops, each of which is capable of removing heat from the primary containment in the event of a loss of coolant accident. The Containment Spray System will be initiated upon receipt of both a high drywell pressure signal and a reactor low-low water level signal.

Although switch IP-15B would have tripped at a slightly higher pressure than the desired setpoint, its actuation only would have been delayed by a fraction of a second. Also, the reactor low-low level setpoint is not reached until almost 4 seconds later after the setpoint for high drywell pressure is reached. Due to this and the fact that switch IP-15D for the same instrument channel would have actuated at the required setpoint, the safety significance of the event is considered minimal.

Corrective Action

Pressure switch IP-15B was reset to trip within the Technical Specification limit of $\leq$2.0 psig (as shown in the "As Left" values in the Description of Occurrence). As can be seen from the "As Left" values, starting from this test, setpoint changes to allow for instrument repeatability have been incorporated into surveillance procedures. For the IP-15 switches, the setpoint has been changed from 2.0 $^{+0}_{-.1}$ to 1.85 $\pm$.10 in order to reduce the frequency of exceeding the Technical Specification limit. In addition, it is currently planned to replace these types of snap-action switches with an improved model during the 1984 refueling outage.

Failure Data

Manufacturer: ITT Barton
Model: #288A Pressure Indication Switch
Range: 0-10 psig