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August 1, 2013 GO2-13-110

10 CFR 50.73

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D.C. 20555-0001

Subject:

COLUMBIA GENERATING STATION, DOCKET NO. 50-397

LICENSEE EVENT REPORT NO. 2013-004-00

Dear Sir or Madam:

Transmitted herewith is Licensee Event Report No. 2013-004-00 for Columbia Generating Station. This report is submitted pursuant to 10 CFR 50.73(a)(2)(i)(B) and 50.73(a)(2)(v)(D).

There are no commitments being made to the NRC by this letter. If you have any questions or require additional information, please contact Mr. J. R. Trautvetter, Regulatory Compliance Supervisor, at (509) 377-4337.

Respectfully,

W. G. Hettel

Vice President, Operations

Enclosure: Licensee Event Report 2013-004-00

cc: NRC Region IV Administrator

NRC NRR Project Manager

NRC Senior Resident Inspector/988C

A. J. Rapacz - BPA/1399

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U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT (LER) CONTINUATION SHEET

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NARRATIVE

PLANT CONDITIONS

The event was discovered June 4, 2013 when a logic system functional test (LSFT) of the Suppression Pool Remote Transfer Switch [JS] failed. The plant was in Mode 5 during refueling outage R21 with the reactor mode switch in Refuel.

EVENT DESCRIPTION

On 6/04/2013, during performance of surveillance procedure on the control power transfer switch [JS] located in the Remote Shutdown Panel, a step to verify no continuity (contacts open) for the transfer switch for the suppression pool spray valve RHR-V-27B [ISV] failed. Failure of the surveillance was attributed to a jumper [57] installed (as-found) in 480V Motor Control Center [MCC] starter controls contained in the new bucket. The jumper had been left in place since refueling outage R20 when the Spectrum bucket (breaker) was installed on May 16, 2011. The transfer switch was, therefore, inoperable since the jumper was left in place, because Surveillance Requirement 3.3.3.2.4 under Technical Specifications (TS) Limiting Condition for Operation (LCO) 3.3.3.2, The Remote Shutdown System Functions Shall Be Operable, would not have been met when in Modes 1 or 2.

IMMEDIATE CORRECTIVE ACTION

The jumper was removed and the loosened terminals were torqued to restore bucket to design configuration.

CAUSE

The Cause Evaluation identified preliminary apparent causes of this event as follows: (1) a lack of a standard for Work Order instructions involving removal and installation of jumpers, which requires personnel to rely on experience and skill of the craft for the proper way of executing and documenting required modifications; and (2) inadequate decision making resulting in the use of a post maintenance testing procedure after the installation of the Spectrum bucket in May 2011 that did not adequately prove operability.

FURTHER CORRECTIVE ACTION

Procedures will be revised to provide additional level of detail for work order steps involving determination and termination of wires, cables and jumpers.

Additional corrective actions are being investigated that may result in additional proposed corrective measures. A supplement to this Licensee Event Report will be submitted if the final corrective action plan is substantively different than that included in this form.

ASSESSMENT OF SAFETY CONSEQUENCES

The remote transfer switch is located at the Remote Shutdown Panel. The switch transfers control of the Division 2 suppression pool spray valve from the Main Control Room to the Remote Shutdown Panel and vice versa. The suppression pool spray valve is used to provide cooling to the wetwell portion of the primary containment as a means to control containment pressure during an accident.

The jumpered terminals in the remote shutdown transfer switch did not impact the operation of the suppression pool spray valve from the Main Control Room.

With the jumper left in place the operation of the suppression pool spray valve could be impacted from the Remote Shutdown Panel because of loss of starter control power for valve RHR-V-27B under some abnormal scenarios (i.e., fire in the Main Control Room), which would require the replacement of a blown fuse prior to being able to operate the valve from the Remote Shutdown Panel. However, the normal position for this valve is closed and it would not normally be

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NARRATIVE

operated from the Remote Shutdown Panel in the event of a fire in the Control Room. Therefore the safety significance of this failure is low.

SIMILAR EVENTS

There are several documented conditions with similar circumstances involving improper removal or installation of jumpers. However, they were due to improper placement or removal of jumpers and did not involve jumpers being left in for an extended period of time.

ENERGY INDUSTRY IDENTIFICATION SYSTEM (eiis) INFORMATION CODES

EIIS codes are bracketed [] where applicable in the narrative.