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June 9, 2006

SVP-06-052

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

> Quad Cities Nuclear Power Station, Unit 2 Renewed Facility Operating License No. DPR-30 NRC Docket No. 50-265

Subject: Licensee Event Report 265/06-001, "Two Main Steam Safety Valves and Two Main Steam Safety/Relief Valves Outside of the Technical Specification Allowed Tolerance"

Enclosed is Licensee Event Report (LER) 265/06-001, "Two Main Steam Safety Valves and Two Main Steam Safety/Relief Valves Outside of the Technical Specification Allowed Tolerance," for Quad Cities Nuclear Power Station, Unit 2.

This report is submitted in accordance with the requirements of the Code of Federal Regulations, Title 10, Part 50.73(a)(2)(i)(B), which requires the reporting of any operation or condition that was prohibited by the plant's Technical Specifications.

Should you have any questions concerning this report, please contact Mr. W. J. Beck at (309) 227-2800.

Respectfully,

Vally J. Beck for

Timothy J. Tulon Site Vice President **Quad Cities Nuclear Power Station**

Regional Administrator – NRC Region III CC: NRC Senior Resident Inspector - Quad Cities Nuclear Power Station



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NRC FORM 36	6		U.S. NUCLE				ISSION	APPRO		3: NO. 3150-010)4	EXPIRES	: 06/30/2007	
(6-2004) LICENSEE EVENT REPORT (LER)								APPROVED BY OMB: NO. 3150-0104 EXPIRES: 06/30/2007 Estimated burden per response to comply with this mandatory collection request: 50 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records and FOIA/Privacy Service Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the						
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PLANT AND SYSTEM IDENTIFICATION

General Electric - Boiling Water Reactor, 2957 Megawatts Thermal Rated Core Power

Energy Industry Identification System (EIIS) codes are identified in the text as [XX].

EVENT IDENTIFICATION

Two Main Steam Safety Valves and Two Main Steam Safety/Relief Valves Outside of the Technical Specification Allowed Tolerance

A. CONDITION PRIOR TO EVENT

Unit: 2	Event Date: April 10, 2006	Event Time: 1400 hours
Reactor Mode: 5	Mode Name: Refueling	Power Level: 000%

B. DESCRIPTION OF EVENT

On April 10, 2006, at approximately 1400 hours, Quad Cities Nuclear Power Station determined that two of the four Main Steam Safety Valves (MSSVs) [V] [SB] removed from Unit 2 during the Spring 2006 refuel outage (Q2R18) had been found during asfound testing to have lift set pressures 1.9% and 1.6% below nameplate. These values are outside of the +/-1% Technical Specification (TS)-allowed tolerance. Both of the MSSVs had lift set pressures inside the +/-3% ASME Code tolerance.

Also, it was determined that the Main Steam Safety/Relief Valve (SRV) [RV] removed from Unit 2 during a planned outage in April of 2005 (Q2P03) had been found during as-found testing to have a lift set pressure 5.4% above nameplate, which is outside of both the +/-1% TS allowed tolerance and the +/-3% ASME Code tolerance.

Finally, it was determined that the SRV installed on Unit 2 during Q2P03 and removed during Q2R18 had been found during as-found testing to have a lift set pressure 3.7% above nameplate, which is outside of both the +/-1% TS-allowed tolerance and the +/-3% ASME Code tolerance.

All four of the removed MSSVs and the SRV were replaced during Q2R18 with refurbished valves that were certified to be within the +/-1% TS-allowed tolerance.

C. CAUSE OF EVENT

Based on the results of testing and valve disassembly and inspection, the cause of the out-of-tolerance condition for the MSSVs and the SRV removed during Q2R18 is setpoint drift. No mechanical wear, degradation or foreign material was identified. The SRV removed during Q2P03 has not been disassembled and inspected.

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জাত হোৱা বিষয়ে বিয়ালের হয়। বেশকু মন্ত্রী হারা পালেশ ব নির্দাদের হির্দেশ হারা হয়। নির্দাদের হারা বিষয়ে হারা বিষয়ে বিষয়

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If the results of that inspection indicate a cause other than setpoint drift, a supplemental LER will be issued.

D. SAFETY ANALYSIS

The safety significance of this event was minimal. Both of the MSSVs were found to have a lift set pressure below (i.e., conservative with respect to) the nameplate value and inside the +/-3% Code tolerance. The analysis completed for the April 2004 Unit 2 SRV out-of-tolerance event (LER 265/04-004) bounds the test results described above. That analysis showed that the acceptance criteria for the Anticipated Transient Without Scram, ASME overpressure, and Appendix R analyses were met. Therefore, the valves were capable of performing the safety function. This condition is being reported in accordance with 10 CFR 50.73(a)(2)(i)(B), which requires reporting of any operation or condition that was prohibited by the plant's TS.

E. CORRECTIVE ACTIONS

All four of the removed MSSVs and the removed SRV were replaced during Q2R18 with refurbished values that were certified to be within the +/-1% TS-allowed tolerance.

Quad Cities Nuclear Power Station is pursuing a revision to the TS-allowable value for the MSSVs and SRVs to reflect the ASME code allowable value.

F. PREVIOUS OCCURRENCES

There have been previous instances of MSSVs and SRVs being outside of the TSallowed value (+/-1%). Following the Unit 1 refuel outage in October of 2000 (Q1R16), the SRV setpoint was 2.203% lower than nameplate, one MSSV setpoint was 2.0643% greater than nameplate, and one MSSV setpoint was 1.20% greater than nameplate. Following the Unit 2 refuel outage in February of 2002 (Q2R16), the SRV setpoint was 2.026% greater than nameplate, one MSSV setpoint was 2.8% less than nameplate, one MSSV setpoint was 1.8% less than nameplate, and one MSSV setpoint was 1.5% less than nameplate. Following the Unit 1 refuel outage in November of 2002 (Q1R17), the SRV setpoint was 2.203% greater than nameplate and one MSSV setpoint was 1.2% lower than nameplate. Following the Unit 2 refuel outage in March 2004 (Q2R17), the SRV setpoint was 6.8% greater than nameplate (LER 265/04-001). Following the Unit 1 refuel outage in April 2005 (Q1R18), one MSSV was 1.3% lower than nameplate, one MSSV was 2.3% lower than nameplate, and one MSSV was 2.0% lower than nameplate.

For every case except the Q2R17 SRV, the setpoint was within the ASME code allowable of +/-3%, and therefore there was no effect on functionality. For the Q2R17 SRV, a specific assessment was performed to show that the safety valve function was met.

NRC FORM 366A

(7-2001)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT (LER)

TEXT CONTINUATION

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Based on the history described above, Quad Cities Nuclear Power Station is pursuing a revision to the TS-allowable value for the MSSVs and SRVs to reflect the ASME code allowable value.

G. COMPONENT FAILURE DATA

The MSSVs are Model 6'-3777-QA-RT Safety Valves manufactured by Dresser Industries/ Consolidated Valve Corporation. The SRVs are Model 7467F Safety/ Relief Valves manufactured by Target Rock.