

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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SUBJECT: RD-870709: on 870709, actuation of pressurizer PORV 456  
 occurred. Caused by range of pressure transmitters feeding  
 LTOP too wide to discern 40psi disagreement between  
 pressurizer pressure channel instrumentation.

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H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261  
LICENSE NO. DPR-23  
30-DAY SPECIAL REPORT - LTOPP ACTUATION

Dear Sir:

This report is submitted pursuant to Technical Specifications 3.1.2.1.e and 6.9.3.1.e.

On June 9, 1987 an actuation of Pressurizer Power Operated Relief Valve No. 456 (PORV 456) occurred due to primary system pressure being allowed to increase to the setpoint on one of the pressure channels feeding the Low Temperature Overpressure Protection (LTOPP) System. The following narrative describes pertinent Plant conditions at the time of the event.

#### INITIAL CONDITIONS

The Plant was operating on Residual Heat Removal (RHR) with a bubble in the Pressurizer and the Reactor Coolant System (RCS) at 194°F. Operators were controlling pressure using Pressure Transmitter No. 501 (PT-501), one of the channels feeding LTOPP, and another Wide Range pressure instrument.

#### EVENT DESCRIPTION

RCS pressure was allowed to increase to what appeared to be approximately 350 psig by PT-501 indications on the RTGB when an LTOPP actuation occurred. Apparently, the other channel feeding LTOPP, PT-500 which does not read out on the RTGB, had reached approximately 400 psig, the setpoint for PORV actuation.

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CAUSE

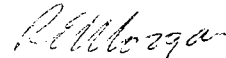
The range of the pressure transmitters feeding LTOPP appears too wide a range to easily discern a 40 psi disagreement between Pressurizer pressure channel instrumentation. Since the required calibration accuracy is plus or minus two percent of full scale and the scale is from zero to 3000 psi, each channel may see a far different pressure than the other.

CORRECTIVE ACTION

Following the actuation, all Pressurizer pressure instruments were recalibrated prior to Plant heatup which occurred later the same day. As additional corrective action, a project has been initiated for evaluation of LTOPP system instrumentation to determine any necessary improvements in accuracy or calibration techniques.

If you have any questions concerning this report, please contact my staff.

Very truly yours,



R. E. Morgan  
General Manager

H. B. Robinson S. E. Plant

DAS:leh

cc: J. N. Grace  
H. E. P. Krug