

LER No.: 50-321/1982-099
Facility: Edwin I. Hatch
Licensee: Georgia Power Company
Docket #: 50-321

Narrative Report
for LER 50-321/1982-099

On December 9, 1982, problems were discovered with three of the eleven Main Steam Safety Relief Valves; all eleven had been removed for testing per Tech. Specs. 4.6.H.1. Two of the valves setpoints were found to be out of the specified tolerances per Tech. Specs. 2.2.A.1.b., which allows a plus or minus 1% error. Thus, Tech. Specs. required setting is 1090 psig +/- 1% (1079 to 1101 psig). The "F" valve was found to be set at 1076 psig. The "H" valve was found to be set at 1108 psig. The "G" valve was found to be missing the pilot inlet tube from the valve body. The missing tube did not affect the valve actuation setpoint. The same model safety relief valve is used on Unit 2. Plant operation was not affected by these events. This is a repetitive occurrence for the setpoint drift of the "H" valve as last reported on LER 50-321/1982-060. These events (i.e., setpoint drift and pilot inlet tube problems) are generic for this Target Rock model 7567F safety relief valve.

The events are attributed to setpoint drift for the "F" and "H" valves. The missing pilot inlet tube for the "G" valve is attributed to failure of the tube support welds. The tube-to-plate welds were found broken, with the support plates intact and the tube missing. A Design Change was incorporated on the Unit 1 valves to improve the tube-to-valve body attachment. A new support comprised of a single strap which fits over the tube is used. The strap is welded to the valve body wall on both sides and is tack welded to the tube as well. The Unit 2 "E" valve was previously modified in this manner, and the remainder of the Unit 2 valves are scheduled for modification during the next Refueling Outage.