

LER #: 50-321/1980-001, Rev. 1
Licensee: Georgia Power Company
Facility: Edwin I. Hatch
Docket #: 50-321

POOR ORIGINAL

Narrative Report
for LER 50-321/1980-001, Rev. 1

With Unit 1 in cold shutdown for generator rotor repair, while performing maintenance on RHR LPCI injection valve E11-F015B on 12-18-79, maintenance personnel noticed a clevis pin was missing from a strut on drywell penetration restraint E11-X13B. The missing clevis pin affected only one of the four struts on the E11-X13B restraint. On 1-3-80, the missing clevis pin was determined to be reportable per Tech Specs section 6.9.1.8.i. This type of restraint connection is common to both units at Hatch. Inspection of pin held devices on Units 1 and 2 was performed. There were no effects upon public health and safety due to this event. This is a non-repetitive occurrence.

The cause of the missing clevis pin was improper installation. A substitute clevis pin was fabricated of AISI 1045-F2 carbon steel and installed on 1-4-80. The original pin was made from SA 193 B7 material. When the SA 193 B7 material was obtained, a new clevis pin was fabricated and installed on 1-6-80.

As a result of the discrepancies found on the E11 hanger devices in which one clevis pin on penetration X-13B was missing, additional support devices for Unit 1 were inspected to see if any other devices had discrepancies. In addition to the clevis pin in X-13B being missing, one cotter pin was found to be missing from one of the horizontal clevis pins in this anchor. The clevis pin, however, was intact. On penetration anchor X-13A, one cotter pin from a vertical clevis pin was found missing and the clevis pin showed evidence of movement although it was still intact.

Penetration anchors on X-9A&B were inspected and found to have two small cotter pins installed in place of the required single cotter pin. On penetration anchors X-7A, B, C, and D, two cotter pins were found that had not been spread. All clevis pins on penetrations X-9A&B and X-7A, B, C, and D were intact.

Additional inspections were performed on pin held devices in the Unit 1 drywell prior to reactor startup. Approximately 300 pin held devices were inspected with the following findings. Nine cotter pins were found missing during inspection. All clevis pins in these devices were still

intact. Three devices were found to have an undersized cotter pin or wire inserted in the hole. Again, the clevis pins were intact. Two variable spring hangers were found to be disconnected: one from an instrument line on B-31 system and identified as B-31-X-40IF9, and the other was on a stem leak-off line to valve E-21-F007. Causes for these two devices being disconnected could not be determined. The missing bolts on these two hangers were reported on Deviation Report 1-80-10. The bolts were replaced and double-nutted to prevent recurrence of the event.

All discrepancies found during this inspection were corrected prior to drywell closeout. The inspection dates for the aforementioned devices were 1-3 and 1-4-80.

On 1-5-80, additional inspection of pin held devices were performed in accessible areas in the reactor building on safety related systems. Approximately 162 devices were inspected. Of these devices, none were found to have cotter pins missing, and all devices were intact.

Based on the findings of the inspection of these 400-plus devices, no further inspection of pin held devices is planned for Unit 1.

The surveillance on Unit 2 pin held devices in accessible areas was performed on the following systems: 2E11, 2E21, 2E41, and 2E51. There were 100 devices inspected, all of which had clevis pin type connections. Of the 100 devices inspected, all were found to be intact and performing their required function. The inspection did reveal that of the 100 devices checked, four clevis pins were found to have a cotter pin missing. These missing pins were replaced, and in addition, one cotter pin that was broken was replaced. Three other cotter pins were spread to a more conservative position.

Due to the fact that out of a sample of 100 devices checked, only four cotter pins were found to be missing, and that all clevis pins were still intact and the devices were performing their intended function, no further inspection in accessible areas of these type devices for missing pins is planned at this time.

On 1-27-80, with Unit 2 in cold shutdown, a random inspection of clevis and cotter pins in safety related pipe supports in the Unit 2 drywell was performed.

A total of 83 devices were inspected, and with the exception of one, all were found to be in a good state of repair. One device did not have a cotter pin installed in the clevis pin. However, it did have a wire inserted in the cotter pin hole. This wire was removed and the correct size cotter pin was installed. This device was not in a degraded condition and was performing its intended function.

This concludes the inspections for cotter pins and clevis pins for Unit 1 and Unit 2.