

LER ATTACHMENT - RO #1-83-45

Facility: BSEP Unit No. 1

Event Date: September 19, 1983

On October 17, 1983, the Limitorque motor was removed from valve 1-E51-F007, taken to the contaminated plant equipment Maintenance Shop, and disassembled. Condition at disassembly revealed that the motor operator spring pack was loose and the retaining nut was installed upside down. It was determined that the spring pack was incorrectly adjusted during construction and either loosened or provided so low a preload that the valve could not open under a high differential pressure condition. Review of plant documentation indicated that no corrective maintenance had been performed on this motor operator prior to its disassembly.

The operator's spring pack (Model No. 60-600-0021-1), which has seven Belleville springs, was specially designed by the manufacturer, Limitorque, to provide the lower than normal torque required for this valve. Limitorque has since developed an "extra light" spring pack (Part No. 60-600-0050-1) containing 15 Belleville washers and no spacer. They provided this "extra light" pack for replacement along with instructions for establishing the preload.

The spring pack was replaced and the preload established. To verify proper setting, the preload was physically checked with a torque wrench. The valve was then stroked and the torque switch set up to allow the valve to function properly.

A functional test of the valve revealed that it operates within specified parameters (plant cooled down and depressurized). Consultations with the manufacturer indicate that there was only one specially designed spring pack assembly at the Brunswick station. However, as a precaution, 2-E51-F007 on Unit No. 2 will be evaluated for similar problems during the next outage of sufficient length.



Carolina Power & Light Company

Brunswick Steam Electric Plant
P. O. Box 10429
Southport, NC 28461-0429
January 03, 1984

FILE: B09-13510C
SERIAL: BSE2/83-4074

Mr. James P. O'Reilly, Administrator
U. S. Nuclear Regulatory Commission
Region II, Suite 3100
101 Marietta Street NW
Atlanta, GA 30303

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1
DOCKET NO. 50-325
LICENSE NO. DPR-71
SUPPLEMENT TO LICENSEE EVENT REPORT 1-83-45

Dear Mr. C'Reilly:

In accordance with Section 6.9.1.9b of the Technical Specifications for Brunswick Steam Electric Plant, Unit No. 1, the enclosed supplemental Licensee Event Report is submitted. The original report fulfilled the requirement for a written report within thirty (30) days of a reportable occurrence and both are in accordance with the format set forth in NUREG-0161, July 1977.

Very truly yours,

C. R. Dietz, General Manager
Brunswick Steam Electric Plant

RMP/shb/LETSE2

Enclosure

cc: Mr. R. C. DeYoung
NRC Document Control Desk

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