

U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW  
Suite 3100  
Atlanta, Georgia 30303

J. P. O'Rourke  
~~D. THOMAS~~  
~~D. CHANDLER~~  
A. NEAMA  
A. LONG  
B. BRADY  
B. BARK

*Long was seen*  
*stbr*  
*Long*  
*Ash*

APR 7 1980  
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NRC REGION II

8980-50-327/80020

Reported under Technical Specification 6.9.1.12.1

Date of Occurrence: 4/4/80 Time of Occurrence: 1215 hrs. CST Unit 1

Technical Specification Involved: 6.9.1.12.1

Conditions Prior to Occurrence

Unit 1 in Mode 6 with all fuel loaded.

Identification and Description of Occurrence

Several vendor (EDS) designed pipe supports that support 3/4-inch class 'A' pipe from a larger process pipe were designed utilizing a manufacturers standard 1/4-inch U-bolt. Investigation has shown that this 1/4-inch U-bolt is overstressed during a seismic event based on the loadings shown on the individual drawings.

Apparent Cause of Occurrence

Design error - Designer used incorrect seismic loadings in the design of the supports. EDS designed the U-bolt in the lower (3/4-inch) pipe as an anchor - but it was intended to be used as a 2-way lateral restraint.

Other Related Events

None

Corrective Action Taken or Planned

The affected supports are being reviewed by SWF and EDS engineers and will be redesigned. The U-bolts on the 3/4-inch pipes will be reanalyzed and redesigned to act as a 2-way lateral support. Modification will be made to the supports in the field by loosening the branch line U-bolts so they provide only lateral restraint.

*[Signature]*  
John H. [unclear]  
Plant Superintendent  
Savannah Nuclear Plant

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