

Hartsville and Phipps Bend Nuclear Plants, All Units

Use of Non-ASME Components on the

Primary Containment Personnel Access Airlocks

Report No. 1 (Interim)

NCR-CHT/PB-78-1

On October 6, 1978, TVA notified NRC-OIE Region II Inspector, Tom Burdette, of a potentially reportable condition regarding the use of non-ASME components on the primary containment personnel access airlocks.

This interim report contains as much information as is available to TVA at this time on this NCR.

Description of Deficiency

During a review of a change of contract submitted to TVA by the personnel access airlock manufacturer, W. J. Woolley Co., it was discovered that Woolley's present design and fabrication of certain pneumatic components for the personnel access airlocks do not meet ASME Class 2 requirements. GESSAR section 3.2.3.2, table 3.2.2, and table 3.2.3 require that the airlocks be designed and fabricated in accordance with ASME Section III, Subsections NC or NE class 2 requirements.

The extent of the use of non-ASME components on the airlocks is now known at this time, but TVA has scheduled a meeting with the W. J. Woolley Co. on October 31, 1978, to discuss all aspects of this NCR. The results of this meeting will be included in another report to you at a later date.

Cause of Deficiency

The cause of this nonconformance is still being investigated by C. F. Braun, GE, TVA, and the W. J. Woolley Co.

Safety Implications

TVA is working with GE and C. F. Braun in investigating this NCR to determine the safety implications of using non-ASME components on the personnel access airlocks.

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Investigations Underway

The General Electric Company and C. F. Braun have been notified of this NCR, and they are in the process of determining the extent of use of non-ASME components on the airlocks, determining the cause of the nonconformance, and specifying the corrective actions and the precautions to prevent recurrence. Also, a meeting is currently scheduled among TVA, GE, and the W. J. Woolley Co. on October 31, 1978, to discuss all aspects of this NCR. TVA will submit another report on this subject on or before February 15, 1979.