

**DUKE POWER COMPANY**

P.O. BOX 33189  
CHARLOTTE, N.C. 28242

TELEPHONE  
(704) 373-4531

HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

November 8, 1982

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

Re: Catawba Nuclear Station  
Unit 1  
Docket No. 50-413

Dear Mr. O'Reilly:

Pursuant to 10 CFR 50.55e, please find attached a final report to Significant Deficiency Report SD 413/82-19.

Very truly yours,

*H.B. Tucker / BT*

Hal B. Tucker

RWO/php  
Attachment

cc: Director  
Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Mr. P. K. Van Doorn  
NRC Resident Inspector  
Catawba Nuclear Station

Mr. Robert Guild, Esq.  
Attorney-at-Law  
P.O. Box 12097  
Charleston, South Carolina 29412

Palmetto Alliance  
2135½ Devine Street  
Columbia, South Carolina 29205

NOV 15 1982  
AID: 34  
REGION II  
ATLANTA, GEORGIA

OFFICIAL COPY  
ZE 27

8211170285 821108  
PDR ADOCK 05000413  
S PDR

DUKE POWER COMPANY  
CATAWBA NUCLEAR STATION  
SIGNIFICANT DEFICIENCY  
(FINAL REPORT)

REPORT NUMBER: SD 413/82-19

REPORT DATE: November 8, 1982

FACILITY: Catawba Nuclear Station, Unit 1

IDENTIFICATION OF DEFICIENCY: Linear indications on a Kerotest Item 9J-551 valve were identified on the (end) body. The deficiency was identified on August 19, 1982.

INITIAL REPORT: Initial report was made to A. Ignatonis, Region II NRC, on September 9, 1982 by Messrs. G. D. Rowland and W. O. Henry, of Duke Power Company, Charlotte, NC 28242.

COMPONENT AND SUPPLIER: Kerotest valve Item 9J-551, S/N UB13-8, Duke tag IND117.

DESCRIPTION OF DEFICIENCY: During a surface inspection of this valve, linear indications were identified on the valve body. These indications violate Construction document NDE 30J. Light grinding was used in an attempt to remove the indications. A grinding depth of 1/16" was not sufficient to completely remove the indications.

ANALYSIS OF SAFETY IMPLICATIONS: If the indications exceed the minimum required wall thickness for the valve, the ASME Code pressure boundary integrity will be violated.

CORRECTIVE ACTION: Valve S/N UB13-8 was sent back to the manufacturer for evaluation and repair. The valve was examined by the manufacturer's Engineering and QA Department. The indications were determined to be (low) foundary marks. The actual wall thickness of the valve (in this area) was measured to be greater than the minimum required wall thickness for the valve. These foundary marks are considered non-relevant by the manufacturer. Therefore, no repair work is required by the manufacturer. The valve will be returned to Duke.