

DUKE POWER COMPANY

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HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

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May 13, 1983

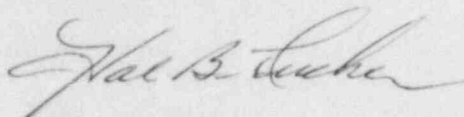
Mr. James P. O'Reilly, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30303

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

Dear Mr. O'Reilly:

Pursuant to 10 CFR 50.55e, please find attached Significant Deficiency Report  
SD 413/83-07.

Very truly yours,



Hal B. Tucker

RWO/php  
Attachment

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

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NRC Resident Inspector  
Catawba Nuclear Station

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Duke Power Company  
Catawba Nuclear Station  
Significant Deficiency

Report Number: SD 413/83-07

Report Date: May 13, 1983

Facility: Catawba Nuclear Station Unit 1

Identification of Deficiency: Vent valve 1ND105 was not installed in accordance with Design and Construction criteria. This item was identified by Design Engineering during a field visit on March 25, 1983.

Initial Report: Initial report was made to Mr. V. Brownlee, Region II NRC, on April 14, 1983 by W. O. Henry, C. A. Bell, and T. A. Ford of Duke Power Company, Charlotte, North Carolina 28242.

Description of Deficiency: Vent valve 1ND105 was not installed in accordance with Design isometric drawing CN-1492-NC029. The discovery was made after system installation completion and system inspection by QC.

Revision 2 of the above drawing added the particular vent in question. This revision showed a detailed configuration of the vent on the drawing. Prior to the actual installation of the vent, Revision 3 of the drawing was issued which deleted the detailed configuration of the vent and added reference to a standard detail drawing for vent installation. Seventeen months after Revision 3 was issued, the vent was installed. The current revision of the drawing at that time was Revision 5. The overall length criterion specified by the standard drawing was exceeded; however, the installed configuration is allowed by the standard drawing. This discrepancy was not discovered by Construction or QC personnel even though governing procedures require a detailed configuration and dimensional inspection.

Analysis of Safety Implications: The installation deficiency described above clearly is in violation of Catawba FS-R commitments to Design and Construction Seismic Category I systems in accordance with ASME B&PV Section III, and could preclude this component from serving its safety function.

Corrective Action: The vent installation error will be corrected to conform with the drawing in June 1983 or as soon as NC system cold hydro is complete. No changes to our inspection program are anticipated at this time because investigation shows this to be an isolated case based on inspection of all other similar situations in the ND system (five cases). No problems were identified. We feel our program is adequate to prevent future occurrence.