

**DUKE POWER COMPANY**

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VICE PRESIDENT  
NUCLEAR PRODUCTION

TELEPHONE  
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2 10 30 AS-18  
August 20, 1982

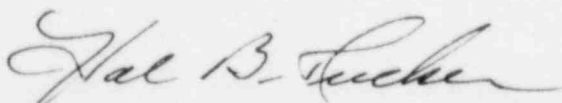
Mr. James P. O'Reilly, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

Re: Catawba Nuclear Station  
Units 1 and 2  
Docket Nos. 50-413 and -414

Dear Mr. O'Reilly:

Pursuant to 10 CFR 50.55e, please find attached Significant Deficiency Report  
SD 413-414/82-15.

Very truly yours,



Hal B. Tucker

RWO/php  
Attachment

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

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Report # SD 413-414/82-15

Report Date: August 20, 1982

Facility: Catawba Nuclear Station Unit #2

Identification of Deficiency

During penetrant test of a weld repair excavation, a linear indication was identified in the base metal (elbow). Further exploration by ultrasonic revealed the indication as follows: Depth, .50" to .75", Length: entire length of fitting, and located approximately 30° from inside bend of fitting. Material is 1.60" to 1.70" in thickness. The fitting was being installed in the Safety Injection (SI) System, which is ASME Section III, Class I.

Initial Report

On July 22, 1982, Mr. J. Bryant of NRC Region II, Atlanta, GA, was notified of this deficiency by Mr. W. O. Henry and Mr. J. H. Lanier of Duke Power Company, Charlotte, N.C. 28242. This notification was a result of Potentially Reportable Item CA-82-31.

Supplier and/or Component

The item in question is a fitting identified as follows:

S/N N-16715-2 Custom Alloy Heat Code E1403  
10" Sch 140 ASME Section III, Class I  
Duke Class "A" SA403 WP316 45° E11

Fitting manufactured by Custom Alloy Company at Califon, NJ (Job #N-16715-2).

Supplied by Hub, Inc. (P.O. #8015502), Tucker, GA

Starting material manufactured by Cameron Iron Works, Houston, TX.

SA376/SA312 Seamless - Heat No. 55009, Duke Purchase Order G-37495-13.

Description of Deficiency

During PT of a weld repair excavation (Duke Weld Location No. 2NI-184-4), a linear indication was determined in the base metal of the fitting. Further investigation by UT found the indication approximately .50" to .75" in depth and running the entire length of the fitting, 30° from inside bend. The indication should have been determined by the manufacturer, in that the fitting was procured as ASME Section III, Class I.

Applicable Code required volumetric testing. A review of the documentation and check with the manufacturer revealed that the testing was not performed.

Analysis of Safety Implications

The fitting in question is being removed and is to be subjected to a

metallurgical investigation by both manufacturer and Duke Power Company. Neither report has been completed. Analysis of Safety Implications will be performed and recorded in a supplemental report.

Corrective Action

An investigation has been made in the manufacturing shops on the lack of Code NDE. The fitting is to be subjected to an investigation regarding the cause of the indication and missed testing. These investigations will be a subject covered in a supplemental report to be submitted by January 1, 1983.