

DUKE POWER COMPANY

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HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
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April 15, 1983

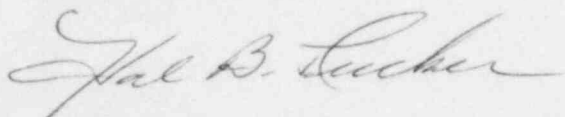
Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

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 413/83-06.

Very truly yours,



Hal B. Tucker

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Attachment

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

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

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INPO REGION II
ATLANTA, GEORGIA

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
SIGNIFICANT DEFICIENCY

REPORT NUMBER: SD 413/83-06

REPORT DATE: April 15, 1983

FACILITY: Catawba Nuclear Station, Unit 1

IDENTIFICATION OF DEFICIENCY:

Metallurgical defects in motor pinion gear identified February 17, 1983.

INITIAL REPORT:

Initial report was made to Mr. A. Ignatonis, Region II NRC, on March 18, 1983 by Messrs. W. O. Henry and J. K. Berry, Duke Power Company.

DESCRIPTION OF DEFICIENCY:

Motor pinion gear on Limitorque actuator serial number 249637, Westinghouse valve serial number 10000GM88FME01D04S740002, has metallurgical defects in the form of cracks and porosity in two gear teeth. Valve is a ten inch gate valve, Duke item number 9J-209, tag number 1NI088B. This active valve was supplied per Duke Power Design Specification CNS-1205.00-0008 and Mill Power Order A-98524. The valve is a low pressure accumulator tank discharge isolation valve.

ANALYSIS OF SAFETY IMPLICATIONS:

Failure of motor pinion gear could preclude this active valve completing its safety function.

CORRECTIVE ACTION:

Defective gear has been replaced. Duke considers this defect to be an isolated case.