

USNRC RECEIVED
DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242
JUN 29 10 14 AM '82

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

June 21, 1982

TELEPHONE: AREA 704
373-4083

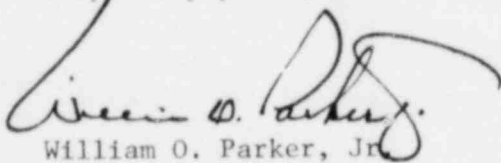
Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

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 a final response to Significant Deficiency Report SD 413-414/82-09.

Very truly yours,



William O. Parker, Jr.

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

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DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
SIGNIFICANT DEFICIENCY

Report Number: SD 413-414/82-09

Report Date: June 21, 1982

Facility: Catawba Nuclear Station Units 1 and 2

Identification of Deficiency: NRC IE Bulletin 81-02 supplement 1 provided notification of potential undersizing of electric motor operators (EMOs) for Westinghouse valves.

Initial Report: Initial written report was made to Mr. J. P. O'Reilly, Region II NRC, via W. O. Parker, Jr.'s letter of April 9, 1982.

Description of Deficiency: Westinghouse letter Catawba-2606 and NRC IE Bulletin 81-02 supplement 1 informed Duke Power of a possible closure problem on Westinghouse Electro-Mechanical Division manufactured gate valves. Westinghouse confirmed by phone that the Limitorque and Rotork motor operators on Catawba valves are undersized. These active valves are supplied per Duke Power Design Specification CNS-1205.00-0008 and Mill Power Order A-98524.

Analysis of Safety Implications: Undersizing of the Westinghouse valve electric motor operators can result in failure of these active valves to complete their safety functions.

Corrective Action: Westinghouse has completed their technical evaluation of all valve/EMO applications at Catawba to determine if the EMO will meet functional requirements. No corrective actions are required on 26, or 46% of the 56 valves. The corrective actions required on the remaining 30 valves are summarized on Attachment 1. Manufacturer's drawings will be revised to document any hardware changes by September 30, 1982. Hardware is expected to be available by December 31, 1982. Westinghouse has revised their operator sizing procedure to preclude this problem from occurring again.

DUKE POWER COMPANY
 CATAWBA NUCLEAR STATION
 SIGNIFICANT DEFICIENCY
 ATTACHMENT #1

Part A Valves requiring no corrective action

<u>W. Model</u>	<u>Duke Item #</u>	<u>EMO</u>	<u>QUANTITY</u>	<u>CORRECTIVE ACTION</u>
08000GM84FEC510	9D-203	Rotork	16	None
12000GM84FEC400	9D-207	Rotork	4	None
08000GM84FEC510	9D-214	Rotork	2	None
08000GM86FMC410	9J-205	Rotork	4	None

Part B Valves requiring corrective action

<u>W. Model</u>	<u>Duke Item #</u>	<u>EMO</u>	<u>QUANTITY</u>	<u>CORRECTIVE ACTION</u>
18000GM84FEC310	9D-204	Rotork	4	Requires a torque switch adjustment
08000GM84FEC500	9D-211	Rotork	4	Requires a larger operator
12000GM84FEC300	9D-213	Rotork	4	Requires larger motor on current operator
12000GM84FEC310	9D-215	Rotork	4	Requires larger motor on current operator
10000GM88FME01D	9J-209	Limitorque	8	Requires a gearset change on current operator
08000GM88FMC300	9J-211	Rotork	4	Requires a larger operator
12000GM88FME00D	9-213	Limitorque	2	Requires a gearset change on current operator