

DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

April 2, 1982

TELEPHONE: AREA 704
373-4081

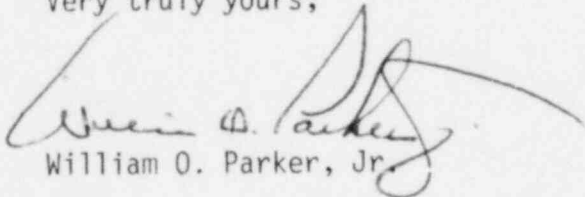
Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

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

Dear Mr. O'Reilly:

Pursuant to 10 CFR 50.55e, please find attached Significant Deficiency
Report SD 413/82-07.

Very truly yours,



William O. Parker, Jr.

RWO/php
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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Columbia, South Carolina 29205



CATAWBA NUCLEAR STATION

1. Report Number: SD 413/82-07
2. Report Date: April 2, 1982
3. Facility: Catawba Nuclear Station, Unit 1
4. Identification of Deficiency: Overtorquing of concrete expansion anchors identified on February 10, 1982.
5. Initial Report: Mr. H. Dance of NRC Region II was notified on March 3, 1982, by W. O. Henry, Duke Power Company, 422 S. Church Street, Charlotte, NC 28242.
6. Supplier: Concrete expansion anchors are supplied to Catawba by ITT-Phillips.
7. Description of Deficiency: QC inspections of pipe support installations revealed a number of anchors which had been overtorqued beyond specified limits. A sampling program was undertaken to determine the extent of the problem. This resulted in the identification of additional overtorqued anchors.
8. Analysis of Safety Implications: By overtorquing, an anchor may be overstressed such that its ability to carry design loads is diminished. This may lead to failure of pipe supports which may, in turn, impair safe operation of the plant. Testing to determine the effects of overtorquing on bolt stress is incomplete at this time.
9. Corrective Action: Investigations to determine what, if any, corrective actions may be required are incomplete and inconclusive at this time. These investigations will be complete by July 1, 1982. A final report will be filed by that date.