

SAFEGUARDS INFORMATION

Duke Power Company
 P.O. Box 1000
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WHEN SEPARATED FROM ENCLOSURES
 HANDLE THIS DOCUMENT AS DECONTROLLED

H. B. Tamm
 Senior Vice President
 No. 100
 Charlotte, N.C.



DUKE POWER

May 16, 1991

U. S. Nuclear Regulatory Commission
 ATTN: Document Control Desk
 Washington, D. C. 20555

ATTN: Mr. R. E. Martin, ONRR
 OWFN, Mail Stop 9H3
 Washington, D. C.

Subject: Catawba Nuclear Station, Units 1 and 2
 Docket Nos. 50-413 and 50-414
 Interim Security Compensatory Measures for Main
 Feedwater (CF) System Valves and Piping

Dear Mr. Martin:

On April 16, 1991 at approximately 1452 hrs. with Unit 2 in Mode 1 of Power Operation, a Hi Hi Steam Generator (S/G) (P-14) signal was received which tripped the Main Turbine and the Train 'B' Main Feedwater (CF) pump resulting in an Auxiliary Feedwater (CA) Autostart. An investigation of the event revealed that the Main Feedwater By-pass Check Valves (2CF-166, 167, 168, 169) failed to seat properly. The failure of these valves required an evaluation of alternative physical protection options for plant equipment prior to returning the unit to operation. The Catawba Senior Resident Inspector and NRC Region II Safeguards Branch personnel have reviewed the event and the implemented interim security compensatory measures, however, since this is a vital area issue, Region II requested we provide details of the implemented security compensatory measures for ONRR review and approval.

Enclosure 1 to this letter summarizes the event and the actions taken at Catawba to evaluate and implement interim security compensatory measures for portions of plant piping requiring physical protection until the faulty check valves can be replaced. Enclosure 2 through 6 contain system drawings marked to indicate piping flow paths and security patrol routes. As referenced in Enclosure 1, Licensee Event Report 50-414/91-006 dated May 16, 1991 provides additional technical details on the event.

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X 500/ Add: R.E. Martin H. B. Tamm
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I request ONRR staff review of Enclosure 1 through 6 for a determination of acceptability. Any questions regarding the information provided in this letter should be addressed to W. R. Cross, Regulatory Compliance at (704) 373-8958.

Hal B Tucker
Hal B. Tucker *by W A Haller*

Enclosures

cc: w/ Enclosures

Mr. S. D. Ebnetter
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission
P. O. Box 2257
Atlanta, Georgia 30301

Mr. W. T. Orders
Senior Resident Inspector
Catawba Nuclear Station