

DUKE POWER COMPANY

P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

July 12, 1985

Dr. J. Nelson Grace, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Re: Catawba Nuclear Station, Unit 2
Docket No. 50-414
Significant Deficiency No. 414/85-09

Dear Dr. Grace:

Pursuant to 10 CFR 50.55(e), please find attached Significant Deficiency
Report No. 414/85-09.

Very truly yours,

H.B. Tucker

Hal B. Tucker

LTP/mjf

Attachment

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

Mr. Jesse L. Riley
Carolina Environmental Study Group
854 Henley Place
Charlotte, North Carolina 28207

Robert Guild, Esq.
P. O. Box 12097
Charleston, South Carolina 29412

Palmetto Alliance
2135½ Devine Street
Columbia, South Carolina 29205

NRC Resident Inspector
Catawba Nuclear Station

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

Dr. K. Jabbour
Office of Nuclear Reactor
Regulation
U. S. Nuclear Regulatory Comm.
Washington, D. C. 20555

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CATAWBA NUCLEAR STATION

REPORT NUMBER: SD 414/85-09

REPORT DATE: July 12, 1985

FACILITY: Catawba Nuclear Station, Unit 2

IDENTIFICATION OF DEFICIENCY:

The adhesive used to affix the metal nameplates to the control power transformers (CPT's) employed in the 600VAC motor control centers could lose its ability to maintain the nameplates securely affixed which could result in nameplates falling off.

INITIAL REPORT:

On June 28, 1985, Mr C W Burger of NRC Region II, Atlanta, Georgia, was notified by telephone of the deficiency by Mr W H Jourdan, Mr J L Crenshaw and Mr T L Utterback of Duke Power Company, Charlotte, North Carolina.

SUPPLIER AND/OR COMPONENT:

Nelson Electric Company of Tulsa, Oklahoma manufactured and supplied to Duke Power Company the 600VAC motor control center assembly. The control power transformers which are installed in the motor control center assemblies were manufactured by HEVI-DUTY Electric, a unit of General Signal of Goldsboro, NC.

DESCRIPTION OF DEFICIENCY:

The control power transformers (CPT's) which were supplied to Nelson Electric by HEVI-DUTY Electric and which were installed in the 600VAC motor control centers for Duke Power Company, Catawba Nuclear Station, unit 2 have metal nameplates affixed with adhesive. The adhesive could lose its ability to maintain the nameplates securely affixed to the CPT's with the result that some nameplates could fall from the CPT's.

The motor control center compartments which employ CPT's are of various size and function resulting in different locations for the mounting of CPT's. This results in several possibilities of potential failures which include unintentional operation of a compartment function or the prevention from intentional functioning. One possible example of a specific failure mode is a nameplate in a reversing starter compartment used to control a motor operated valve shorts the auxiliary contacts of a contactor. This would result in clyclic operation of the valve.

ANALYSIS OF SAFETY IMPLICATIONS:

As of the date of this report, the scheduled date for fuel loading at Catawba Nuclear Station unit 2 is January 1, 1986. Until fuel is actually loaded there is no effect on safe operation of the plant.

If, however, the plant was in an operational status, the only safety implication would result from the nameplates falling from the CPT's in two compartments which perform related safety functions in opposite safety trains. The possibility of this occurrence is considered to be negligible.

CORRECTIVE ACTION:

To eliminate all possibility of failure of a motor control center compartment due to a fallen nameplate, it is planned to remove all metal CPT nameplates which are affixed with adhesive from the compartments.

The removal of metal CPT nameplates from all Catawba Nuclear Station unit 2 motor control center compartments is scheduled for completion prior to January 1, 1986.