

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Catawba Nuclear Station, Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 4 1 1 3				PAGE (3) 1 OF 011													
TITLE (4) Failure of ITT Grinnell Min-Stiff Pipe Clamps-Figure 214-Due To Manufacturing Deficiency																											
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)																	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES			DOCKET NUMBER(S)															
0	9	0	9	8	7	8	7	0	3	7	0	0	1	2	1	5	8	7	Catawba, Unit 2	0	5	0	0	0	4	1	4
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																											
OPERATING MODE (9)		1		20.402(b)				20.406(e)				50.73(a)(2)(iv)				73.71(b)											
POWER LEVEL (10)		1 0 0		20.406(a)(1)(i)				50.36(e)(1)				50.73(a)(2)(v)				73.71(a)											
				20.406(a)(1)(ii)				50.36(e)(2)				50.73(a)(2)(vi)				X OTHER (Specify in Abstract below and in Text, NRC Form 366A)											
				20.406(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(vii)(A)				10 CFR Part 21											
				20.406(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)															
				20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)															
LICENSEE CONTACT FOR THIS LER (12)																											
NAME										TELEPHONE NUMBER																	
Julio G. Torre, Associate Engineer - Licensing										7104 317131-18101219																	
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																											
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC																		
B		SPT	G 2 5 7	Y																							
SUPPLEMENTAL REPORT EXPECTED (14)																											
X YES (If yes, complete EXPECTED SUBMISSION DATE)										NO																	
										EXPECTED SUBMISSION DATE (15)																	
										0 1 1 5 8 8																	

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

Visual inspection of snubbers during the first refueling outage revealed two broken pipe supports due to the failure of the pipe clamp strap assembly on each support. Subsequent analysis of the fractured ITT Grinnell mini-staff pipe clamp - Figure 214 - straps revealed that the material was not properly heat treated and could be susceptible to stress corrosion cracking. Hardness measurements taken on straps from stock revealed additional straps which were improperly heat treated. Approximately 1500 similar mini-stiff pipe clamps are installed at Catawba. On September 9, 1987, Duke Power determined that over several years the ability of affected hangers or snubbers to perform their intended function could be potentially degraded. Duke Power performed an operability analysis and determined that plant operation was unaffected by the failed pipe supports. Both Units have been in all modes of operation since the pipe clamps were installed. This event was attributed to a manufacturing deficiency due to the improper heat treatment applied to the subject clamp straps. The damaged clamps were replaced. A statistical sampling of straps performed during the second refueling outage indicates there is 95% confidence that 95% of the straps are operable. Duke Power is considering a replacement program. Additional information and safety analysis will be provided following completion of the review of pertinent information by January 15, 1988. Submittal of this LER was delayed per Mr. H. B. Tucker's letter of November 12, 1987.

The health and safety of the public were unaffected by this event.

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**DUKE POWER COMPANY**

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

HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

TELEPHONE  
(704) 373-4531

December 15, 1987

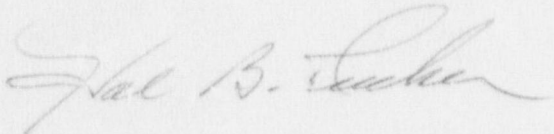
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Washington, D. C. 20555

Subject: Catawba Nuclear Station, Unit 1  
Docket No. 50-413  
LER 413/87-37

Gentlemen:

Pursuant to 10 CFR 50.73 Section (a) (1) and (d), attached is Licensee Event Report 413/87-37 concerning the failure of ITT Grinnel Mini-Stiff Pipe Clamps - Figure 213 - due to a manufacturing deficiency. This event was considered to be of no significance with respect to the health and safety of the public.

Very truly yours,



Hal B. Tucker

JGT/1122/sbn

Attachment

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

M&M Nuclear Consultants  
1221 Avenue of the Americas  
New York, New York 10020

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

American Nuclear Insurers  
c/o Dottie Sherman, ANI Library  
The Exchange, Suite 245  
270 Farmington Avenue  
Farmington, CT 06032

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

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