

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8706050338 DOC. DATE: 87/05/28 NOTARIZED: NO DOCKET #
 FACIL: 50-269 Oconee Nuclear Station, Unit 1, Duke Power Co. 05000269
 50-270 Oconee Nuclear Station, Unit 2, Duke Power Co. 05000270
 50-287 Oconee Nuclear Station, Unit 3, Duke Power Co. 05000287

AUTH. NAME TUCKER, H. B. AUTHOR AFFILIATION Duke Power Co.
 RECIP. NAME AUTHORITY AFFILIATION Document Control Branch (Document Control Desk)

SUBJECT: Provides supplemental info on 860929 LER 269/B6-10 re potential loss of emergency feedwater due to pump runout for certain transients. Study to recommend specific solutions for emergency feedwater runout protection completed.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: AEOD/Ornstein: 1cy. 05000269
 AEOD/Ornstein: 1cy. 05000270
 AEOD/Ornstein: 1cy. 05000287

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD2-3 LA	1 1	PD2-3 PD	1 1
	PASTIS, H	1 1		
INTERNAL:	ACRS MICHELSON	1 1	ACRS MOELLER	2 2
	AEOD/DOA	1 1	AEOD/DSP/ROAB	2 2
	AEOD/DSP/TPAB	1 1	DEDRO	1 1
	NRR/DEST/ADE	1 0	NRR/DEST/ADS	1 0
	NRR/DEST/CEB	1 1	NRR/DEST/ELB	1 1
	NRR/DEST/ICSB	1 1	NRR/DEST/MEB	1 1
	NRR/DEST/MTB	1 1	NRR/DEST/PSB	1 1
	NRR/DEST/RSB	1 1	NRR/DEST/SGB	1 1
	NRR/DLPQ/HFB	1 1	NRR/DLPQ/GAB	1 1
	NRR/DOEA/EAB	1 1	NRR/DREP/RAB	1 1
	NRR/DREP/RPB	2 2	NRR/PMAS/ILRB	1 1
	NRR/PMAS/PTSB	1 1	<u>REG FILE</u> 02	1 1
	RES DEPY GI	1 1	RCN2 FILE 01	1 1
EXTERNAL:	EG&G GROH, M	5 5	H ST LOBBY WARD	1 1
	LPDR	1 1	NRC PDR	1 1
	NSIC HARRIS, J	1 1	NSIC MAYS, G	1 1
NOTES:		1 1		

TOTAL NUMBER OF COPIES REQUIRED: LTTR 43 ENCL 41

DUKE POWER COMPANY
P.O. BOX 33189
CHARLOTTE, N.C. 28242

TELEPHONE
(704) 373-4531

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

May 28, 1987

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

Subject: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287
LER 269/86-10 Supplemental Information

Gentlemen:

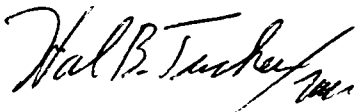
By letter dated September 29, 1986 Duke Power Company (Duke) submitted Licensee Event Report LER 269/86-10 concerning potential for loss of Emergency Feedwater (EFW) due to pump runout for certain transients. The purpose of this letter is to provide supplemental information relative to the referenced LER.

Licensee Event report LER 269/86-10 identified a condition in which the EFW pump runout could occur during certain design basis transients. As a corrective action, the LER stated that Duke is evaluating system modification options that will prevent EFW pump runout for all design basis transients without depending on immediate operator action. Furthermore, Duke committed to submit supplemental information describing the recommended system modification and alternate options along with schedular information for implementation.

As indicated in a Duke letter dated April 13, 1987, in response to a violation (IE Inspection 50-269/86-16, 50-270/86-16, 50-287/86-16) concerning potential EFW pump runout, a study to recommend specific solutions for EFW runout protection has been completed and the design of a recommended modification has been initiated. The recommended modification is to install cavitating venturi in each EFW line downstream of control valves FDW-315 and FDW-316 on each unit. The cavitating venturi is a passive device and offers an assured means of limiting flow below runout conditions. Compared to the other alternatives, such as an automatic control valve scheme utilizing safety-grade pneumatic, hydraulic, or electric operators, cavitating venturi is a low maintenance and economical device which is not susceptible to complete failure.

Duke anticipates to implement this modification during the end-of-cycle (EOC) refueling outages EOC11, EOC10 and EOC10 for Units 1, 2 and 3, respectively.

Very truly yours,



Hal B. Tucker

MAH/44/sbn

8706050338 870528
PDR ADOCK 05000269
S PDR

IE22
11

U. S. Nuclear Regulatory Commission

May 28, 1987

Page Two

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

Ms. Helen Pastis
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. J. C. Bryant
NRC Resident Inspector
Oconee Nuclear Station

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

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

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