

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8811090018 DOC. DATE: 88/10/31 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 AUTHOR AFFILIATION *566*
 TUCKER, H.B. Duke Power Co. *SUBJ BAW-2050*
 RECIP. NAME RECIPIENT AFFILIATION *2051*
 Document Control Branch (Document Control Desk)

SUBJECT: Forwards BAW-2050, "Analysis of Capsule OC1-C..." &
 BAW-2051, "Analysis of Capsule OCII-E...."

DISTRIBUTION CODE: A001D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2+9/13
 TITLE: OR Submittal: General Distribution

NOTES: AEOD/Ornstein: 1cy. } *LTR* 05000269
 AEOD/Ornstein: 1cy. 05000270
 AEOD/Ornstein: 1cy. 05000287

	RECIPIENT		COPIES			RECIPIENT		COPIES	
	ID CODE/NAME		LTTR	ENCL		ID CODE/NAME		LTTR	ENCL
	PD2-3 LA		1	0		PD2-3 PD		2	<i>1</i>
	PASTIS, H		1	1					
INTERNAL:	ACRS		6	<i>3</i>	ARM/DAF/LFMB		1	0	
	NRR/DEST/ADS 7E		1	<i>1</i>	NRR/DEST/CEB 8H		1	1	
	NRR/DEST/ESB 8D		1	<i>1</i>	NRR/DEST/MTB 9H		1	<i>1</i>	
	NRR/DEST/RSB 8E		1	1	NRR/DOEA/TSB 11		1	1	
	NRR/PMAS/ILRB12		1	<i>1</i>	NUDOCS-ABSTRACT		1	1	
	OGC/HDS2		1	0	<u>REG FILE</u> 01		1	1	
	RES/DSIR/EIB		1	1					
EXTERNAL:	LPDR		1	1	NRC PDR		1	1	
	NSIC		1	1					
NOTES:			1	1					

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
 ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION
 LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 26 ENCL *12*

M/A 2 cc

RIDS / ADDS

Duke Power Company
P.O. Box 33198
Charlotte, N.C. 28242

HAL B. Tucker
Vice President
Nuclear Production
(704)373-4531



DUKE POWER

October 31, 1988

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

Subject: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287

Gentlemen:

Pursuant to 10 CFR 50, Appendix H, please find attached two reports, BAW-2050 dated October, 1988 and BAW-2051 dated October, 1988 on the testing and evaluation of capsules OCI-C and OCII-E for Oconee Nuclear Station Units 1 and 2 reactor vessel material surveillance program, respectively.

The reports' major results are summarized below:

1. The OCI-C and OCII-E capsules received an average fast fluence ($E > 1.0$ Mev) of 9.86×10^{18} n/cm² and 1.21×10^{19} n/cm², respectively. Based on the calculated fast flux at the vessel wall, an 80% load factor, and the planned fuel management, the projected fast fluence that the Oconee Units 1 and 2 reactor vessel inside surface will receive in 40 calendar years of operation is 1.02×10^{19} n/cm² and 9.57×10^{18} n/cm², respectively.
2. The increase in RT_{NDT} for both forging and weld materials is conservative with respect to prediction technique, i.e. R.G. 1.99, Rev. 02.
3. The low upper-shelf energy fracture analysis demonstrated that the most limiting weld metal has adequate irradiated toughness properties to assure safe operation of these units to 32 EFPY.

8811090018 881031
PDR ADOCK 05000269
PDC

A001
/

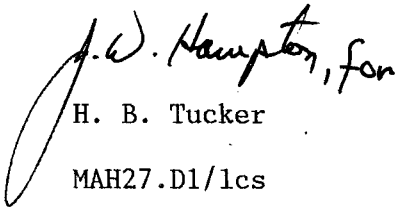
U. S. Nuclear Regulatory Commission

October 28, 1988

Page Two

Please note that the results of the examination and analyses contained in these reports have no impact on the current Oconee Nuclear Station Technical Specifications.

Very truly yours,


H. B. Tucker

MAH27.D1/lcs

xc: w/o Attachments

Mr. M. L. Ernst
Acting 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. P. H. Skinner
NRC Resident Inspector
Oconee Nuclear Station