

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9211250135 DOC. DATE: 92/11/17 NOTARIZED: NO DOCKET #  
 FACIL: 50-244 Robert Emmet Ginna Nuclear Plant, Unit 1, Rochester G 05000244  
 AUTH. NAME: MEECREDY, R.C. AUTHOR AFFILIATION: Rochester Gas & Electric Corp.  
 RECIP. NAME: JOHNSON, A.R. RECIPIENT AFFILIATION: Project Directorate I-3

SUBJECT: Submits 10CFR50.46 annual ECCS rept. Small break LOCA PCT increased by 10 F since issuance of 910725 30-day ECCS evaluation model change rept. Current PCTs for facility listed on encl.

DISTRIBUTION CODE: A001D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5  
 TITLE: OR Submittal: General Distribution

NOTES: License Exp date in accordance with 10CFR2,2.109(9/19/72). 05000244

RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
PD1-3 LA	1 1	PD1-3 PD	1 1
JOHNSON, A	2 2		
INTERNAL: NRR/DET/ESGB	1 1	NRR/DOEA/OTSB11	1 1
NRR/DST/SELB 7E	1 1	NRR/DST/SICB8H7	1 1
NRR/DST/SRXB 8E	1 1	NUDOCS-ABSTRACT	1 1
OC/LFMB	1 0	OGC/HDS1	1 0
REG FILE 01	1 1	RES/DSIR/EIB	1 1
EXTERNAL: NRC PDR	1 1	NSIC	1 1

Cont # 034044172

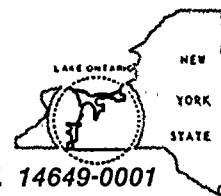
NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK. ROOM P1-37 (EXT. 504-2065) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 16 ENCL 14



ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE, ROCHESTER N.Y. 14649-0001



ROBERT C. MECREDY  
Vice President  
Ginna Nuclear Production

TELEPHONE  
AREA CODE 716 546-2700

November 17, 1992

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Attn: Allen R. Johnson  
Project Directorate I-3  
Washington, D.C. 20555

Subject: 10CFR50.46 Annual ECCS Report  
R.E. Ginna Nuclear Power Plant  
Docket No. 50-244

Ref. (a): RG&E letter from R. C. Mecredy to A. R. Johnson, NRC,  
Subject: 10CFR50.46 30 Day Report ECCS Evaluation  
Model Changes dated July 25, 1991

(b): RG&E letter from R.C. Mecredy to A.R. Johnson, NRC,  
Subject: ECCS Evaluation Including the Effects of  
Upper Plenum Injection, dated Nov. 5, 1992

Dear Mr. Johnson:

In accordance with the requirement in 10CFR50.46 paragraph  
(a)(3)(ii), the following annual report is hereby submitted.

Westinghouse, the provider of LOCA analyses for the Ginna Nuclear Power Plant, has provided RG&E with an update to the peak cladding temperature (PCT) margin for Ginna. The large break LOCA PCT has increased by 27°F since the issuance of Reference (a) report. The increase is due to resolution of a modeling inconsistency associated with accumulator/SI interaction for Ginna. The new large break LOCA PCT becomes 1986°F.

The small break LOCA PCT has increased by 10°F since the issuance of the Reference (a) report. The increase is associated with thimble plug removal at Ginna. The new small break LOCA PCT becomes 1234°F.

Attachment 1 to this letter summarizes the current PCTs for Ginna.

240078

9211250135 921117  
PDR ADOCK 05000244  
R PDR

Cert # PD34044172

ADD 1



This is based on the currently approved model and will be replaced by the new Upper Plenum Injection model, submitted by reference (b), upon NRC approval.

Very truly yours,

  
Robert C. Mecredy

RWE\265

xc: Mr. Allen R. Johnson (Mail Stop 14D1)  
Project Directorate I-3  
Washington, D.C. 20555

U.S. Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, PA 19406

Ginna Senior Resident Inspector

- 3 -

ATTACHMENT 1

LOCA PCT SUMMARIES

Large Break LOCA

R.E. Ginna

A.	Analysis of record	PCT = 1871°F
1.	UPI penalty	$\Delta$ PCT = +6°F
2.	RIP penalty	$\Delta$ PCT = +3°F
B.	Prior LOCA Model Assignments - 1989	$\Delta$ PCT = +2°F
C.	Prior LOCA Model Assignments - 1990	$\Delta$ PCT = 0°F
D.	Prior LOCA Model Assignments - 1991	$\Delta$ PCT = +76°F
E.	LOCA Model Assignment - 1992	$\Delta$ PCT = +27°F
1.	Accumulator/SI Interaction Model	
F.	10CFR50.59 Safety Evaluations	
1.	Fuel reconstitution (1990 evaluation)	$\Delta$ PCT = +1°F

Licensing Basis PCT = 1986°F

Potential Issues - Temporary Allocation of Margin  $\Delta$ PCT = +140°F

Licensing Basis + Temporary Allocation PCT = 2126°F

Small Break LOCA

R.E. Ginna

A.	Analysis of record	PCT = 1092°F
B.	Prior LOCA Model Assignments - 1989	ΔPCT = 0°F
C.	Prior LOCA Model Assignment - 1990	ΔPCT = 0°F
D.	Prior LOCA Model Assignment - 1991	ΔPCT = +77°F
E.	LOCA Model Assignment - 1992	ΔPCT = 0°F
F.	10CFR50.59 Safety Evaluations	
1.	AFW enthalpy delay (1989 evaluation)	ΔPCT = +11°F
2.	MFIV closure delay (1990 evaluation)	ΔPCT = +43°F
3.	Fuel reconstitution (1990 evaluation)	ΔPCT = +1°F
4.	Thimble Plug Deletion (1991 evaluation)	ΔPCT = +10°F

Licensing Basis PCT = 1234°F

Potential Issues - Temporary Allocation of Margin ΔPCT = 0°F

Licensing Basis + Temporary Allocation PCT = 1234°F