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MEECREDY,R.C. Rochester Gas & Electric Corp.
RECIP.NAME RECIPIENT AFFILIATION
JOHNSON,A.R. 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.

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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.

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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

ATTACHMENT 1

LOCA PCT SUMMARIES

Large Break LOCA

R.E. Ginna

A.	Analysis of record	PCT = 1871°F
	1. UPI penalty	ΔPCT = +6°F
	2. RIP penalty	ΔPCT = +3°F
B.	Prior LOCA Model Assignments - 1989	ΔPCT = +2°F
C.	Prior LOCA Model Assignments - 1990	ΔPCT = 0°F
D.	Prior LOCA Model Assignments - 1991	ΔPCT = +76°F
E.	LOCA Model Assignment - 1992	ΔPCT = +27°F
	1. Accumulator/SI Interaction Model	
F.	10CFR50.59 Safety Evaluations	
	1. Fuel reconstitution (1990 evaluation)	ΔPCT = +1°F
	Licensing Basis	PCT = 1986°F

Potential Issues - Temporary Allocation of Margin ΔPCT = +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