

# PRIORITY 1

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 RECIP. NAME      RECIPIENT AFFILIATION  
 JOHNSON, A.S.      Project Directorate I-3

SUBJECT: Submits 1994 annual rept, per 10CFR50.46. Attachment 1 to ltr summarizes current peak cladding temps for plant.

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ROBERT C. MECREDY  
Vice President  
Nuclear Operations

November 18, 1994

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): Westinghouse letter NSAL-94-004U, Subject: 10CFR50.46,  
Notification and Reporting Information dated February  
8, 1994

(b): Westinghouse letter NSAL-94-022T, Subject: SBLOCTA  
Axial Nodalization dated October 25, 1994

(c): RG&E letter from R. C. Mecredy to A. R. Johnson, NRC,  
Subject: 10CFR50.46 Annual ECCS Report dated November  
18, 1993

(d): 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 1994 annual report is hereby submitted.

Westinghouse, the provider of LOCA analysis for the Ginna Nuclear  
Power Plant, has provided RG&E with an update to the peak  
cladding temperature (PCT) margin for Ginna (Ref. a and b). The  
large break LOCA PCT has decreased 6°F due to model error  
corrections and increased 59°F due to 10CFR50.59 Safety  
Evaluations. The net change since the issuance of our last  
report, Reference (c), is an increase of 53°F, resulting in a  
large break LOCA PCT of 2038°.

The small break LOCA PCT has increased by 22°F since the issuance  
of the Reference (c) report due to SBLOCTA Axial Nodalization as  
reported in Reference (b) and decreased by 1°F due to removal of  
reconstituted fuel. The net change is an increase of 21°F  
resulting in a small break LOCA PCT is 1255°F.

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R PDR

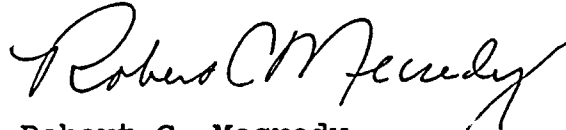
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Attachment 1 to this letter summarizes the current PCTs for the R.E. Ginna Nuclear Power Plant.

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

Very truly yours,

A handwritten signature in cursive script, appearing to read "Robert C. Mecredy".

Robert C. Mecredy

RWE\351

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

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ATTACHMENT 1

LOCA PCT SUMMARIES

# Large Break LOCA

R.E. Ginna

Eval. Model: 81EM Fuel: OFA  
FQ = 2.32 FAH = 1.66 SGTP = 15%

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.	Prior LOCA Model Assignments - 1992	ΔPCT = +27°F
F.	Prior LOCA Model Assignments - 1993	ΔPCT = 0°F
G.	LOCA Model Assessments - 1994	
1.	LUCIFER Error Correction	ΔPCT = -6°F
H.	10CFR50.59 Safety Evaluations	
1.	Fuel reconstitution (1990 evaluation)	ΔPCT = +1°F (Fuel not used)
2.	Thimble plug deletion (1992 evaluation)	ΔPCT = 0°F
3.	Containment Fan Cooler Replacement (1993 evaluation)	ΔPCT = +59°F

Licensing Basis PCT = 2038°F

Potential Issues - Temporary Allocation of Margin ΔPCT = +140°F

Licensing Basis + Temporary Allocation PCT = 2178°F

Small Break LOCA

R.E. Ginna

Eval. Model: WFLASH Fuel: OFA  
FQ = 2.32 FAH = 1.66 SGTP = 12%

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.	Prior LOCA Model Assignment - 1992	ΔPCT = 0°F
F.	Prior LOCA Model Assignment - 1993	ΔPCT = 0°F
G.	LOCA Model Assignment - 1994	
	1. Axial Nodalization, RIP Model Revision and SBLOCTA Error Correction Analysis	ΔPCT = 22°F
H.	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 (Fuel not used)
	4. Thimble Plug Deletion (1991 evaluation)	ΔPCT = +10°F
	5. Increase SGTP to 15%	ΔPCT = 0°F
	Licensing Basis	PCT = 1255°F

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

Licensing Basis + Temporary Allocation PCT = 1255°F

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