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Constellation Energy
R.E. Ginna Nuclear Power Plant

May 4, 2005

Ms. Donna M. Skay
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555-0001

Subject: 10CFR50.46 30 Day and Annual ECCS Report
R.E. Ginna Nuclear Power Plant
Docket No. 50-244

References: (a) Westinghouse Letter RGE-05-22, Subject: 10CFR50.46 Annual Notification and Reporting for 2004, dated April 6, 2005.

(b) Letter from Mary G. Korsnick (Ginna LLC) to Donna M. Skay (NRC), "License Amendment Request Regarding Revised Loss of Coolant Accident (LOCA) Analyses – Changes to Accumulator, Refueling Water Storage (RWST), and Administrative Control Technical Specifications", dated April 29, 2005.

Dear Ms. Skay:

In accordance with the requirements in 10CFR50.46 paragraph (a)(3)(ii), this 30 day and annual Emergency Core Cooling System (ECCS) report is hereby submitted by R.E. Ginna Nuclear Power Plant, LLC (Ginna LLC).

Westinghouse, the provider of loss of coolant accident (LOCA) analysis services for the R.E. Ginna Nuclear Power Plant, has provided an update to the peak cladding temperature (PCT) margin in Reference (a). A summary of the cumulative PCT changes can be found in Attachment 1 to this letter.

The large-break LOCA PCT has not changed since the last annual report. The large-break LOCA PCT remains at 2087°F.

The small-break LOCA PCT has not changed since the last annual report. The small-break LOCA PCT remains at 1381°F. Because the cumulative sum of the absolute magnitudes of the effects on the small-break LOCA PCT remain greater than 50°F, the changes conservatively qualify as being significant as defined in 10CFR50.46(a)(3)(i). Consequently, the cumulative changes are being reported in this 30 day report.

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The small-break LOCA PCT value determined in the analysis of record, when combined with all PCT margin allocations, remains over 800°F below the 10CFR50.46 acceptance criteria of 2200°F. As such, no reanalysis is currently planned to address the specific issues raised in Attachment 1. Ginna LLC has previously submitted (Reference (b)) new large-break LOCA and small-break LOCA analyses in support of the planned power uprate of the facility.

If you should have any questions regarding this submittal, please contact George Wrobel at (585) 771-3535.

Very truly yours,

Mary G. Korsnick

Attachment: LOCA PCT Summary, 2005 Update

xc: Ms. Donna M. Skay (Mail Stop O-8-C2)
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Regional Administrator, Region 1
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475 Allendale Road
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U.S. NRC Ginna Senior Resident Inspector

ATTACHMENT 1

LOCA PCT SUMMARY

2005 UPDATE

ATTACHMENT 1

LOCA PCT SUMMARY

Large-Break LOCA
R.E. Ginna Nuclear Power Plant

	Evaluation Model: $F_Q = 2.45$	UPI SECY $F_{\Delta H} = 1.75$	Fuel: OFA SGTP = 15%
A.	Analysis of Record (3/03) (effective 6/03)		PCT = 2087°F
B.	2004 10CFR50.46 Model Assessments 1. None		ΔPCT = 0°F
C.	Other Margin Allocations 1. None		ΔPCT = 0°F
	Licensing Basis		PCT = 2087°F

ATTACHMENT 1

LOCA PCT SUMMARY

Small-Break LOCA
R.E. Ginna Nuclear Power Plant

	Evaluation Model:	NOTRUMP	Fuel: OFA
	$F_Q = 2.50$	$F_{\Delta H} = 1.75$	SGTP = 15%

A.	Analysis of Record (6/95) (effective 6/96)	ΔPCT = 1308°F
B.	1995 10CFR50.46 Model Assessments	
	1. NOTRUMP Specific Enthalpy Error	ΔPCT = 20°F
	2. SALIBRARY Double Precision Errors	ΔPCT = -15°F
C.	1996 10CFR50.46 Model Assignments	
	1. SBLOCA Fuel Rod Initialization Error	ΔPCT = 10°F
D.	1997 10CFR50.46 Model Assessment	
	1. None	ΔPCT = 0°F
E.	1998 10CFR50.46 Model Assessments	
	1. None	ΔPCT = 0°F
F.	1999 10CFR50.46 Model Assessments	
	1. None	ΔPCT = 0°F
G.	2000 10CFR50.46 Model Assessments	
	1. NOTRUMP - Mixture Level Tracking / Region Depletion Errors	ΔPCT = 13°F
H.	2001 10CFR50.46 Model Assessments	
	1. None	ΔPCT = 0°F
I.	2002 10CFR50.46 Model Assessments	
	1. None	ΔPCT = 0°F
J.	2003 10CFR50.46 Model Assessments	
	1. NOTRUMP – Bubble Rise / Drift Flux Model Inconsistencies	ΔPCT = 35°F
K.	2004 10CFR50.46 Model Assessments	
	1. None	ΔPCT = 0°F
L.	Ginna Evaluations	
	1. Annular Axial Pellets (1997 evaluation, SEV-1108)	ΔPCT = 10°F
M.	Other Margin Allocations	
	1. None	ΔPCT = 0°F
	Licensing Basis	PCT = 1381°F