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Constellation Energy
Generation Group

April 30, 2007

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: **R.E. Ginna Nuclear Power Plant**
Docket No. 50-244

10CFR50.46 Annual ECCS Report

References: (a) Westinghouse Letter LTR-LIS-06-525, Subject: Transmittal of Updated R. E. Ginna PCT Summaries, dated August 31, 2006.

In accordance with the requirements in 10CFR50.46 paragraph (a)(3)(ii), this 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, provided an update to the peak cladding temperature (PCT) margin in Reference (a). This update was the result of a new LOCA Analysis of Record associated with the R.E. Ginna Extended Power Uprate which commenced with Cycle 33. There have been no changes to the PCT margin since the Westinghouse update. A summary of the cumulative PCT changes can be found in Attachment 1 to this letter.

If you should have any questions regarding this submittal, please contact Robert Randall at (585) 771-5219.

Very truly yours,

Mary G. Korsnick

Mary G. Korsnick

Attachment: LOCA PCT Summary, 2007 Update

cc: S. J. Collins, NRC
D. V. Pickett, NRC
Resident Inspector, NRC

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ATTACHMENT (1)

LOCA PCT SUMMARY

2007 UPDATE

ATTACHMENT 1

LOCA PCT SUMMARY

Best Estimate Large Break LOCA
R.E. Ginna Nuclear Power Plant

	Evaluation Model: $F_Q = 2.6$	ASTRUM (2004) $F_{\Delta H} = 1.72$	Fuel: 422 Vantage + SGTP = 10%
A.	Analysis of Record (3/05) (effective 10/06)		PCT = 1870°F
B.	Prior ECCS Model Assessments 1. None		ΔPCT = 0°F
C.	Planned Plant Modification Evaluations 1. None		ΔPCT = 0°F
D.	2006 ECCS Model Assessments 1. None		ΔPCT = 0°F
E.	Other Margin Allocations 1. None		ΔPCT = 0°F
		Licensing Basis	PCT = 1870°F

ATTACHMENT 1

LOCA PCT SUMMARY

Appendix K Small Break LOCA
R.E. Ginna Nuclear Power Plant

	Evaluation Model: $F_Q = 2.6$	NOTRUMP $F_{\Delta H} = 1.72$	Fuel: 422 Vantage + SGTP = 10%
A.	Analysis of Record (4/05) (effective 10/06)		PCT = 1167°F
B.	Prior ECCS Model Assessments 1. None		ΔPCT = 0°F
C.	Planned Plant Modification Evaluations 1. None		ΔPCT = 0°F
D.	2006 ECCS Model Assessments 1. None		ΔPCT = 0°F
E.	Other Margin Allocations 1. None		ΔPCT = 0°F
	Licensing Basis		PCT = 1167°F