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May 29, 2009

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

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

Reactor Vessel Surveillance Capsule "N" Results

In accordance with 10 CFR 50 Appendix H, R.E. Ginna Nuclear Power Plant, LLC (Ginna LLC) hereby submits Westinghouse Report WCAP-17036-NP, "Analysis of Capsule N from the R.E. Ginna Reactor Vessel Radiation Surveillance Program," Revision 0 (Attachment 1). This report presents the analysis of test results from Capsule "N", the 5th surveillance capsule removed from the reactor vessel. The remaining capsule, "P", is currently planned to be removed shortly after accumulating a fluence equivalent to approximately 80 years of operation.

The Capsule "N" test results were used to evaluate reactor vessel material properties following 30.5 effective full power years (EFPY) of plant operation. Based on this analysis, properties of the reactor beltline materials are predicted to remain more than adequate for continued safe plant operation through the end of the renewed license period (i.e. to about 53 EFPY).

An updated PTLR incorporating the Capsule "N" test results will be submitted by February 19, 2010, per Attachment 2.

If you should have any questions regarding this submittal, please contact Mr. Thomas Harding at (585) 771-5219 or Thomas.HardingJr@Constellation.com.

Very Truly Yours,

A handwritten signature in black ink, appearing to read "T. Harding".

Thomas Harding

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Document Control Desk
May 29, 2009
Page 2

TH/MR

Attachment 1: WCAP-17036-NP, "Analysis of Capsule N from the R.E. Ginna Reactor Vessel
Radiation Surveillance Program," Revision 0

Attachment 2: List of Regulatory Commitments

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

ATTACHMENT 1

WCAP-17036-NP, "Analysis of Capsule N from the R.E. Ginna Reactor
Vessel Radiation Surveillance Program," Revision 0
