February 28, 2011

Mr. James A. Gresham, Manager
Regulatory Compliance and Plant Licensing
Westinghouse Electric Company
1000 Westinghouse Drive
Cranberry Township, PA 16066

SUBJECT: ACCEPTANCE FOR REVIEW OF TOPICAL REPORT WCAP-12472-P/ WCAP-12472-NP, ADDENDUM 4, "BEACON™ CORE MONITORING AND OPERATION SUPPORT SYSTEM, ADDENDUM 4" (TAC NO. ME5240)

Dear Mr. Gresham:

By letter dated December 10, 2010, Westinghouse Electric Company (Westinghouse) submitted for U. S. Nuclear Regulatory Commission (NRC) staff review Topical Report (TR) WCAP-12472-P/WCAP-12472-NP, Addendum 4, "BEACON™ Core Monitoring and Operation Support System, Addendum 4." The NRC staff has performed an acceptance review of TR WCAP-12472-P/WCAP-12472-NP, Addendum 4. We have found that the material presented is sufficient to complete our comprehensive review. The NRC staff expects to issue its request for additional information by July 30, 2011, and issue its draft safety evaluation by March 15, 2012. The NRC staff estimates that the review will require approximately 300 staff hours including project management time. The review schedule milestones and estimated review costs were discussed and agreed upon in a telephone conference between Kris Cummings, Manager, Nuclear Fuel Engineering Licensing, Westinghouse, and the NRC staff on February 22, 2011.

Section 170.21 of Title 10 of the *Code of Federal Regulations* requires that TRs are subject to fees based on the full cost of the review. You did not request a fee waiver; therefore, NRC staff hours will be billed accordingly.

If you have any questions regarding this matter, I may be reached at 301-415-3151 or Ekaterina.Lenning@nrc.gov.

Sincerely,

/RA/

Ekaterina Lenning, Project Manager
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 700

cc: See next page

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Regulatory Compliance and Plant Licensing
Westinghouse Electric Company
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Sincerely,

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ADAMS ACCESSION NO.: ML110540333 **NRR-106**

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cc:
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Nuclear Fuel Engineering Licensing
Westinghouse Electric Company
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cumminkw@westinghouse.com