



**Global Nuclear Fuel**

A Joint Venture of GE, Toshiba, & Hitachi

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MFN 12-112 Sup 2

March 19, 2013

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555-0001

**Subject: Supplement to Administrative Amendment 36 to GESTAR II to Incorporate Revision 7 of the DSS-CD LTR into GESTAR II US Supplement**

This is a supplement to GESTAR II Administrative Amendment 36 (Reference 1) to incorporate Detect and Suppress Solution – Confirmation Density (DSS-CD) applications based on NEDC-33075P Revision 7 (Reference 2) into the GESTAR II US process.

This administrative amendment restates aspects of the method approved in the DSS-CD licensing topical report (LTR). Both the Revision 6 (Reference 3) basis and the Revision 7 (Reference 2) basis will be retained in the GESTAR II US Supplement for the near term until all licensees make the change to Revision 7 of the DSS-CD LTR.

Sections S.1.3, S.4, S.4.1.5, S.4.2.3, S.4.2.4, S.5.2.4, and S.6 in the US Supplement to GESTAR II are affected by this amendment. All changes are shown in revision mode to ease the review.

It is requested that the NRC review and approve this proposed supplement to Administrative Amendment 36 concurrent with the approval and issuance of the final Safety Evaluation (SE) for Administrative Amendment 36.

If you have any questions about the information provided here, please contact me at (910) 819-5954 or Jim Harrison at (910) 819-6604.

Sincerely,

A handwritten signature in black ink, reading 'Andrew A. Lingenfelter'. The signature is written in a cursive, flowing style.

Andrew A. Lingenfelter  
Vice President, Fuel Engineering  
Global Nuclear Fuel – Americas, LLC

Project No. 712

References:

1. Letter from AA Lingenfelter (GNF) to Document Control Desk (US NRC), Subject: "Administrative Amendment 36 to GESTAR II to Implement the Referencing of NEDO-32465 Supplement 1-A," MFN 12-112, October 4, 2012.
2. GE Hitachi Nuclear Energy, "General Electric Boiling Water Reactor Detect and Suppress Solution – Confirmation Density," NEDC-33075P, Revision 7, June 2011.
3. GE Nuclear Energy, "General Electric Boiling Water Reactor Detect and Suppress Solution – Confirmation Density," NEDC-33075P-A, Revision 6, January 2008.

Enclosure:

1. Markup of GESTAR II US Supplement – Non-Proprietary Information – Class I (Public)

cc: SS Philpott, USNRC  
PL Campbell, GEH/Washington  
JG Head, GEH/Wilmington  
JF Harrison, GEH/Wilmington  
eDRF Section 0000-0153-2509 R4

**Document Components:**

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