



Westinghouse Electric Company  
1000 Westinghouse Drive  
Cranberry Township, Pennsylvania 16066  
USA

U.S. Nuclear Regulatory Commission  
Document Control Desk  
11555 Rockville Pike  
Rockville, MD 20852

Direct tel: (412) 374- 5130  
e-mail: hosackkl@westinghouse.com

Our ref: LTR-NRC-19-6

February 7, 2019

**U.S. Nuclear Regulatory Commission  
10 CFR 50.46 Annual Notification and Reporting for 2018**

The purpose of this letter is to report the impact of changes or errors in the emergency core cooling system (ECCS) evaluation models used by Westinghouse Electric Company. A description of the changes to the Westinghouse small-break loss-of-coolant accident (LOCA) and large-break LOCA ECCS evaluation models for 2018 is provided as Attachment 1. Westinghouse has categorized these changes or errors into two separate groups as defined in Reference 1, which may include subgroups with or without PCT impact:

- Non-Discretionary Changes
- Discretionary Changes

The attachment includes changes for the **FULL SPECTRUM™** LOCA (**FSLOCA™**) evaluation model. At present, no plants are licensed under this evaluation model.

This annual notification is being provided since it affects information previously submitted in Westinghouse topical reports. It is noted that plant-specific peak cladding temperature (PCT) variations are not addressed in this letter. These should be treated, as appropriate, on a plant-specific basis in accordance with the applicable sections of 10 CFR 50. Westinghouse notifies licensees utilizing these Westinghouse ECCS evaluation models in their plant licensing basis of the appropriate reportable changes.

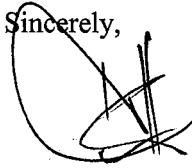
For future referencing convenience, the 2018 10 CFR 50.46 reportable changes provided in Attachment 1, together with the 2017 formulation offered in Reference 2 constitutes the 2018 formulation of the Westinghouse ECCS evaluation models.

---

FULL SPECTRUM and FSLOCA are trademarks or registered trademarks of Westinghouse Electric Company LLC, its affiliates and/or its subsidiaries in the United States of America and may be registered in other countries throughout the world. All rights reserved. Unauthorized use is strictly prohibited. Other names may be trademarks of their respective owners.

Our ref: LTR-NRC-19-6  
February 7, 2019

Sincerely,

A handwritten signature in black ink, appearing to read 'K. Hosack', written over a large, light-colored oval shape.

Korey L. Hosack, Manager  
Product Line Regulatory Support

**References:**

1. ET-NRC-92-3755, "Westinghouse Methodology for Implementation of 10CFR50.46 Reporting," N. J. Liparulo, Westinghouse to NRC Document Control Desk, October 30, 1992. (WCAP-13451)
2. LTR-NRC-18-30, "U.S. Nuclear Regulatory Commission 10 CFR 50.46 Annual Notification and Reporting for 2017," J.A. Gresham, July 18, 2018.

**Attachment:**

1. Standard Format Text for Changes and Enhancements to the Westinghouse Evaluation Models for 2018 (10 pages, including cover page)