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January 28, 2017

SUBJECT: WESTINGHOUSE JANUARY 2017 UPDATED INTEGRATED SAFETY ANALYSIS (ISA)
SUMMARY

Westinghouse Electric Company LLC (Westinghouse) is pleased to submit the updated Integrated Safety Analysis (ISA) Summary for the Columbia Fuel Fabrication Facility (CFFF) in accordance with 10CFR70.72(d)(3). This submittal incorporates facility changes and the results of new or revised analyses completed within calendar year 2016 which impact the ISA Summary. The ISA changes implemented in 2016 did not require Nuclear Regulatory Commission (NRC) pre-approval under the provisions of 10CFR70.72(c).

This transmittal also incorporates into the ISA Summary the follow-up information from Westinghouse's response to NRC Generic Letter 2015-1. Table 1 on page 3 of this letter provides a complete listing of the impacted sections of the ISA Summary and a general description of the revisions. Detailed revision information is included in the enclosed ISA Summary. Changes in the enclosure are identified by revision lines in the left margin.

If you have any questions, please contact me at (803) 647-3338.

A handwritten signature in black ink that reads 'Nancy Blair Parr'.

Nancy Blair Parr, Manager
Licensing
Westinghouse Columbia Fuel Fabrication Facility
Docket 70-1151 License SNM -1107

Enclosure: January 2017 Updated ISA Summary

The enclosure transmitted herewith contains Security-Related - Sensitive Unclassified Non-Safeguards Information (SUNSI) subject to Withholding under 10 CFR 2.390. When separated from the enclosure, this transmittal document is uncontrolled.

CC:

U.S. Nuclear Regulatory Commission, Region II
245 Peachtree Center Avenue NE, Suite 1200
Atlanta, GA 30303-1257
Attn: Mr. Thomas Vukovinsky

U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, Maryland 20852-2738
Attn: Mr. Christopher Ryder, Mail Stop T-4A60

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TABLE 1: GENERAL SCOPE OF REVISIONS

No.	Summary Section Title	10CFR70.72 Revision Scope	Revised Pages
1	Plant Ventilation	Incorporated facility changes and revised Criticality Safety Evaluations. Incorporated S-1030 scrubber modifications and additional controls for other scrubbers.	Entire Document
2	Uranyl Nitrate Bulk Storage	Incorporated facility changes and revised Criticality Safety Evaluation.	Entire Document
3	Ammonium Diuranate (ADU) Conversion	Incorporated facility changes, revised Criticality Safety Evaluations, updated process description and seismic accident sequences. Also, incorporated physical modifications for the UF ₆ storage pad expansion.	Entire Document
4	Safe Geometry Dissolver	Incorporated facility changes and revised Criticality Safety Evaluations.	Entire Document
5	ADU Bulk Blending	Incorporated facility changes, minor descriptive in nature.	Entire Document
6	Chemical Receipt & Handling	Incorporated facility changes, minor descriptive in nature.	Entire Document
7	Solvent Extraction	Incorporated facility changes, minor descriptive in nature.	Entire Document
8	Pelleting	Incorporated facility changes, minor descriptive in nature, and updated process description.	Entire Document
9	Cylinder Wash	Incorporated facility changes, minor descriptive in nature, and updated process description.	Entire Document
10	ADU Rods	Incorporated facility changes, revised Criticality Safety Evaluations, and updated process description.	Entire Document
11	Scrap Uranium Processing	Incorporated facility changes, minor descriptive in nature.	Entire Document
12	Integral Fuel Burnable Absorber (IFBA) Rods	Incorporated facility changes and revised Criticality Safety Evaluations.	Entire Document
13	Low Level Radioactive Waste	Incorporated facility changes and revised Criticality Safety Evaluations.	Entire Document
14	IFBA Processing	Incorporated facility changes and revised Criticality Safety Evaluations.	Entire Document
15	Wastewater Treatment	Incorporated facility changes, revised Criticality Safety Evaluations, and updated process description.	Entire Document
16	Storage of Uranium Bearing Materials	Incorporated facility changes and revised Criticality Safety Evaluations.	Entire Document
17	Final Assembly	Incorporated facility changes, revised Criticality Safety Evaluations, and updated process description.	Entire Document
18	Laboratories	Incorporated facility changes, minor descriptive in nature.	Entire Document
19	Hoods and Containment	Incorporated facility changes, minor descriptive in nature.	Entire Document
20	Erbia	Incorporated facility changes, minor descriptive in nature, and updated process description.	Entire Document
S&S	Site And Structures	Incorporated facility changes to several systems and updated Natural Phenomena Hazard description.	Entire Document