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Security Related Information Notice

Enclosure 1 to this letter contains security related information which is to be withheld from public disclosure in accordance with RIS 2005-31. The balance of this letter may be considered public upon removal of Enclosure 1

January 26, 2021

SUBJECT: WESTINGHOUSE JANUARY 2021 UPDATED INTEGRATED SAFETY ANALYSIS (ISA) SUMMARY

Westinghouse Electric Company LLC (Westinghouse) hereby submits 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 2020 which impact the ISA Summary. The ISA changes implemented in 2020 did not require Nuclear Regulatory Commission (NRC) pre-approval under the provisions of 10CFR70.72(c).

Table 1 on pages 2 and 3 of this letter provides a listing of the impacted sections of the ISA Summary and a general description of the revisions. Changes in the enclosed ISA summary are identified by revision lines in the left margin.

If you have any questions, please contact me at (803) 647-2046.

A handwritten signature in black ink, appearing to read 'Elise Malek'.

Elise Malek
Regulatory Affairs Manager
Westinghouse Columbia Fuel Fabrication Facility
Docket 70-1151 License SNM -1107

Enclosure 1: January 2021 Updated ISA Summary

Cc:
Mr. Thomas Vukovinsky
Mr. David Tiktinsky
Mr. Nicholas Peterka

TABLE 1: GENERAL SCOPE OF REVISIONS

No.	Summary Section Title	10CFR70.72 Revision Scope	Revised Pages
All	All ISAs	The IROFS table has been reformatted and updated to include the latest information from the Janus database.	
1	Plant Ventilation	Incorporated facility changes and revised system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.	Entire Document
2	Uranyl Nitrate Bulk Storage	Incorporated facility changes and revised system description	Entire Document
3	Ammonium Diuranate (ADU) Conversion	Incorporated facility changes and revised system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios. Updated non-criticality accident sequence to reflect the addition of standby generators adjacent to the UF6 cylinder storage pad.	Entire Document
4	Safe Geometry Dissolver	Incorporated facility changes.	Entire Document
5	ADU Bulk Blending	Incorporated facility changes.	Entire Document
6	Chemical Receipt & Handling	Incorporated facility changes and revised process description.	Entire Document
7	Solvent Extraction	Incorporated facility changes and revised system description. Updated non-criticality accident sequence to reflect replacement of kerosene and perchloroethylene (PCE) in the primary and secondary solvent extraction system.	Entire Document
8	Pelleting	Incorporated facility changes and revised system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.	Entire Document
9	Cylinder Wash	Incorporated facility changes and revised system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.	Entire Document
10	ADU Rods	Incorporated facility changes and revised system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.	Entire Document
11	Scrap Uranium Processing	Incorporated facility changes.	Entire Document
12	Integral Fuel Burnable Absorber (IFBA) Rods	Incorporated facility changes.	Entire Document
13	Low Level Radioactive Waste	Incorporated facility changes and revised system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.	Entire Document
14	IFBA Processing	Incorporated facility changes. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.	Entire Document
15	Wastewater Treatment	Incorporated facility changes.	Entire Document
16	Storage of Uranium Bearing Materials	Incorporated facility changes and revised system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.	Entire Document
17	Final Assembly	Incorporated facility changes and revised system description.	Entire Document

No.	Summary Section Title	10CFR70.72 Revision Scope	Revised Pages
18	Laboratories	Incorporated facility changes and revised system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.	Entire Document
19	Hoods and Containment	Incorporated facility changes.	Entire Document
20	Erbia	Incorporated facility changes and revised system description.	Entire Document
S&S	Site and Structures	Incorporated facility changes and revised system description.	Entire Document