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January 26, 2023

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

SUBJECT: WESTINGHOUSE JANUARY 2023 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 2022 which impact the ISA Summary. The ISA changes implemented in 2022 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) 647-1957.

Patrick Donnelly

[Patrick Donnelly \(Jan 26, 2023 17:40 EST\)](#)

Patrick Donnelly
Regulatory Affairs Manager
Westinghouse Columbia Fuel Fabrication Facility
Docket 70-1151 License SNM -1107

Enclosure 1: January 2023 Updated ISA Summary

cc: NRC, Ms. Jennifer Tobin
NRC, Mr. Thomas Vukovinsky

TABLE 1: GENERAL SCOPE OF REVISIONS

No.	Summary Section Title	10CFR70.72 Revision Scope
All	All ISAs	The IROFS table has been updated to include the latest information from the Janus database. The QA level was also removed from the Table for consistency with the 40-year license renewal. ISA references were also updated.
1	Plant Ventilation	Incorporated facility changes and updated system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.
2	Uranyl Nitrate Bulk Storage	Incorporated facility changes and updated system description. Incorporated accident sequences to reflect seismic modifications of UN Storage Tanks.
3	Ammonium Diuranate (ADU) Conversion	Incorporated facility changes and updated system description. Revised accident sequences to reflect redesign of Spiking Station #1. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.
4	Safe Geometry Dissolver	Incorporated facility changes. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.
5	ADU Bulk Blending	Incorporated facility changes.
6	Chemical Receipt & Handling	Incorporated facility changes and updated process description.
7	Solvent Extraction	Incorporated facility changes and updated system description. Removed or revised all accident sequences containing Perchloroethylene (PCE) since PCE is no longer contained in SOLX.
8	Pelleting	Incorporated facility changes and updated system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.
9	Cylinder Wash	Incorporated facility changes and updated system description.
10	ADU Rods	Incorporated facility changes and updated system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.
11	Scrap Uranium Processing	Incorporated facility changes. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.
12	Integral Fuel Burnable Absorber (IFBA) Rods	Incorporated facility changes and updated system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.
13	Low Level Radioactive Waste	Incorporated facility changes and updated system description. Incorporated Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios. Incorporated accident sequences to reflect the Wet Combustible Material Perchloroethylene (PCE) Removal System and storage of WCM drums containing PCE.
14	IFBA Processing	Incorporated facility changes. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.
15	Wastewater Treatment	Incorporated facility changes and updated system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.

No.	Summary Section Title	10CFR70.72 Revision Scope
16	Storage of Uranium Bearing Materials	Incorporated facility changes and updated system description. Revised Criticality Safety Evaluations (CSEs) including associated fault trees, cut sets, and subcritical by geometry scenarios.
17	Final Assembly	Incorporated facility changes and updated system description.
18	Laboratories	Incorporated facility changes and updated system description.
19	Hoods and Containment	Incorporated facility changes.
20	Erbia	Incorporated facility changes.
S&S	Site and Structures	Incorporated facility changes and updated system description.