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Our ref: LTR-RAC-19-9

Date: January 30, 2019

~~Security-Related Information Notice~~

~~The enclosure 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 the enclosure.~~

SUBJECT: WESTINGHOUSE JANUARY 2019 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 2018, which impact the ISA Summary. The ISA changes implemented in 2018 did not require Nuclear Regulatory Commission (NRC) pre-approval under the provisions of 10CFR70.72(c).

Table 1 on page 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 regarding this information, please contact me at (803) 647-2119.

A handwritten signature in cursive script, reading "Gerard F. Couture".

Gerard F. Couture
Licensing Engineer
Westinghouse Columbia Fuel Fabrication Facility
Docket 70-1151 License SNM -1107

Enclosure: January 2019 Updated ISA Summary

CC:

U.S. Nuclear Regulatory Commission, Region II
245 Peachtree Center Avenue NE, Suite 1200
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Attn: Mr. Tom Vukovinsky

U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, Maryland 20852-2738
Attn: Mr. Matthew Bartlett - Mail Stop TWFN-4A60

WESTINGHOUSE NON-PROPRIETARY CLASS 3

TABLE 1: GENERAL SCOPE OF REVISIONS

No.	Summary Section Title	10CFR70.72 Revision Scope
1	Plant Ventilation	Incorporated facility changes and revised Criticality Safety Evaluations (CSEs), including associated fault trees, cut sets, and subcritical by geometry scenarios. Updated non-criticality accident sequence information to a new format.
2	Uranyl Nitrate Bulk Storage	Incorporated facility changes and revised Criticality Safety Evaluations (CSEs), including associated fault trees, cut sets, and subcritical by geometry scenarios. Updated non-criticality accident sequence information to a new format.
3	Ammonium Diuranate (ADU) Conversion	Incorporated facility changes and revised Criticality Safety Evaluations (CSEs), including associated fault trees, cut sets, and subcritical by geometry scenarios. Updated non-criticality accident sequence information to a new format.
4	Safe Geometry Dissolver	Incorporated facility changes and revised Criticality Safety Evaluations (CSEs), including associated fault trees, cut sets, and subcritical by geometry scenarios. Updated non-criticality accident sequence information to a new format.
5	ADU Bulk Blending	Incorporated facility changes and revised Criticality Safety Evaluations (CSEs), including associated fault trees, cut sets, and subcritical by geometry scenarios. Updated non-criticality accident sequence information to a new format.
6	Chemical Receipt & Handling	Incorporated facility changes.
7	Solvent Extraction	Incorporated facility changes and updated non-criticality accident sequence information to a new format.
8	Pelleting	Incorporated facility changes and revised Criticality Safety Evaluations (CSEs), including associated fault trees, cut sets, and subcritical by geometry scenarios. Updated non-criticality accident sequence information to a new format.
9	Cylinder Wash	Incorporated facility changes. Updated non-criticality accident sequence information to a new format.
10	ADU Rods	Incorporated facility changes and revised CSE.
11	Scrap Uranium Processing	Incorporated facility changes and revised Criticality Safety Evaluations (CSEs), including associated fault trees, cut sets, and subcritical by geometry scenarios. Updated non-criticality accident sequence information to a new format.
12	Integral Fuel Burnable Absorber (IFBA) Rods	Incorporated facility changes and revised system descriptions.
13	Low Level Radioactive Waste	Incorporated facility changes and revised Criticality Safety Evaluations (CSEs), including associated fault trees, cut sets, and subcritical by geometry scenarios. Updated non-criticality accident sequence information to a new format.
14	IFBA Processing	Incorporated facility changes and revised system descriptions.
15	Wastewater Treatment	Incorporated facility changes and revised Criticality Safety Evaluations (CSEs), including associated fault trees, cut sets, and subcritical by geometry scenarios. Updated non-criticality accident sequence information to a new format.
16	Storage of Uranium Bearing Materials	Incorporated facility changes and revised CSE and fault trees.
17	Final Assembly	Incorporated facility changes and revised CSEs, including associated fault trees, cut sets, and subcritical by geometry scenarios. Updated non-criticality accident sequence information to the new format.
18	Laboratories	Incorporated facility changes and revised CSE. Updated the process description.
19	Hood and Containment	Incorporated facility changes, including incorporating CSE. Updated the process description.
20	Erbia	Incorporated facility changes and revised Criticality Safety Evaluations (CSEs), including associated fault trees, cut sets, and subcritical by geometry scenarios. Updated non-criticality accident sequence information to a new format.
S&S	Site and Structures	Incorporated facility changes and Section 8 for the generic information used in all ISAs for risk ranking, including pertinent tables from the ISA handbook.