

September 28, 2007

Mr. Gerard F. Couture, Manager
Licensing and Regulatory Programs
Westinghouse Electric Co., LLC
Nuclear Fuel
Columbia Fuel Site
Drawer R
Columbia, SC 29250

SUBJECT: LICENSE RENEWAL SNM-1107, WESTINGHOUSE ELECTRIC COMPANY
COLUMBIA FUEL FABRICATION FACILITY (TAC L31911)

Dear Mr. Couture:

In accordance with your application dated September 29, 2005, and the complete re-submittal thereof dated June 27, 2007, and pursuant to Part 70 to Title 10 of the Code of Federal Regulations, Materials License SNM-1107 is hereby renewed for a period of 20 years, expiring on September 30, 2027.

This license renewal is issued following the preparation and publication of an Environmental Assessment (EA) and a Finding of No Significant Impact (FONSI) related to the continuing operation of your facility. The Notice of Availability of the EA and FONSI was published in the *Federal Register* on May 22, 2007 (72 FR 28715).

The Safety Condition S-1, from the expired license, has been revised to include your application date of June 27, 2007, and supplements dated June 12, 2007 (demonstration of conservatism) and July 18, 2007.

The Safety Condition S-3, from the expired license, has been brought forward, updated, and renumbered as appropriate.

The following Safety Conditions, from the expired license, have expired or have conditions that have been satisfied: S-2, S-5, S-6, S-7, S-8, and S-9, therefore, they are deleted from the renewal license.

The Safety Condition S-4, from the expired license, has been deleted for editorial reasons.

The following additions have been made to the Safety Conditions:

- S-3 Westinghouse Electric Company shall complete the Nuclear Criticality Safety Improvement Project (NCSIP) (as outlined in LTR-RAC-07-29) by June 30, 2009. Until June 30, 2009, the commitments contained in Section 6.1.4.2(6) of the license application shall apply only to Criticality Safety Evaluations (CSEs) which are generated after the issuance date of this license. Until completion of the NCSIP, WEC will provide quarterly status reports to the NRC providing status of key project deliverables. Upon completion of the NCSIP on June 30, 2009, all CSEs shall meet the criteria of Section 6.1.4.2.
- S-4. Westinghouse Electric Company shall report any instances identified through its Nuclear Criticality Safety Improvement Project (NCSIP) or other means, in which existing fissile operations cannot be shown to meet a 95/95 $k_{\text{EFF}} \leq 0.98$ for credible abnormal configurations meeting the criteria listed in Section 6.1.4.2(6) of the license application, to the NRC within 24 hours of discovery. The occurrence shall be reported as an improperly analyzed condition in accordance with 10 CFR Part 70, Appendix A, paragraph (b)(1), and shall include the specific actions taken to restore adequate assurance of subcriticality.

Upon discovery, the licensee shall either restore compliance with Sections 6.1.4.2 and 6.1.5.2 of the license application (e.g., through re-analysis or changes to processes or controls), shall cease movement of fissile material or other materials that could increase k_{EFF} , or shall take other appropriate compensatory measures.

The following Safeguards Conditions have been brought forward, updated, and renumbered, as appropriate, from the expired license: SG-1.1, SG-1.2, SG-1.6, SG-1.7, SG-1.8, SG-1.10, SG-1.11, SG-2.1, SG-3.1, SG-3.1.1, SG-3.1.2, SG-3.1.3, SG-3.1.4, SG-3.1.5, SG-3.1.6, and SG-3.1.7.

The Safeguards Condition SG-1.12, from the expired license, has expired, therefore, it is deleted from the renewal license.

The Safeguards Conditions SG-1.3 and SG-1.4, from the expired license, have been deleted because the latest revisions to 10 CFR 74.13 prescribe that the electronic format be used.

The Safeguards Condition SG-1.5, from the expired license, has been deleted because the condition has been incorporated into the Fundamental Nuclear Material Control Plan and was redundant.

Safeguards Conditions SG-1.9, from the expired license, has been revised and renumbered as follows:

SG-1.4 Notwithstanding the requirement of Section 2.1.1, Block 6.b, of NUREG/BR-0006, which is incorporated via 10 CFR 74.15, to complete receiver's measurements of scrap receipts (following recovery processing) within 60 days of receipt, in cases in which the 60-day limit for confirmatory measurements cannot be met for UF₆ heels when the Block 6.b action code N (of DOE/NRC Form 741) is used to book such receipts, the licensee shall complete receiver's measurements relative to recovering and measuring UF₆ heels no later than the next physical inventory.

Enclosed are copies of the public and non-public versions of Materials License SNM-1107 and the Safety Evaluation Report. The NRC will release the public versions of the subject documents five days from the date of this letter in order to give Westinghouse an opportunity to review and/or comment on the documents.

If you have questions regarding this action, please contact Breeda Reilly of my staff at (301) 492-3110, or via e-mail to bmr@nrc.gov.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," the letter, Materials License SNM-1107 (Enclosure 1), and the Safety Evaluation Report (Enclosure 2) will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. Enclosures 3 and 4 contain sensitive, unclassified security information and will not be available to the public.

Sincerely,

/RA/

Michael Tschiltz, Acting Deputy Director
Fuel Facilities Licensing Directorate
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Docket No.: 70-1151
License No.: SNM-1107

Enclosures:

1. Renewed Materials License SNM-1107
2. Safety Evaluation Report

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Sincerely,

/RA/

Michael Tschiltz, Acting Deputy Director
Fuel Facilities Licensing Directorate
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Docket No.: 70-1151
License No.: SNM-1107

Enclosures:

1. Renewed Materials License SNM-1107
2. Safety Evaluation Report

CLOSES TAC L31911

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