

SUBJECT: Safeguards Evaluation Report, Westinghouse Electric Company LLC (WEC), Nuclear Fuel, Columbia, South Carolina. Docket No: 70-1151, License No: SNM-1107 License Amendment Request (TAC L33115)

BACKGROUND

By letter dated February 18, 2011, WEC submitted a License Amendment request to change the title of the Security Manager, add an Environmental, Health, and Safety Department Licensing Manager, and change the materials received for processing to include Uranium Oxide Powder, Scrap or Uranium Pellets at the Columbia Fuel Fabrication Facility (CCCF.)

REGULATION

Fixed Site Security:

Title 10 of the *Code of Federal Regulations* (10 CFR) 73.67, fixed site and in-transit requirements for the physical protection of special nuclear material of moderate and low strategic significance.

REGULATORY GUIDANCE

Regulatory Guide (RG) 5.59, "Standard Format and Content for a Licensee Physical Security Plan for the Protection of Special Nuclear Material of Moderate or Low Strategic Significance" (1983)

NRC Regulatory Issue Summary 2005-22, "Requirements for the Physical Protection During Transportation of Special Nuclear Material of Moderate and Low Strategic Significance: 10 CFR Part 73 vs. Regulatory Guide 5.59 (1983)" (2005)

ACTION REQUESTED

The Office of Nuclear Material Safety and Safeguards (NMSS) requested that NSIR staff

1. Review the request submitted by Westinghouse Columbia Fuel Fabrication Facility;
2. Determine if there are major deficiencies that make the submittal unacceptable for detailed review and prepare a recommendation to accept or deny (if required).
3. Prepare RAls;
4. Evaluate additional information submitted, participate in meetings, conference calls, and site visits, if necessary; and
5. Prepare input for the Safeguards Evaluation Report.

DISCUSSION

By letter dated February 18, 2011, WEC submitted a License Amendment request to change the title for Physical Security Coordinator to Security Manager, add an Environmental, Health, and Safety Department Licensing Manager to the Plant Security Management Organization at CFFF, and change the materials received for processing to include Uranium Oxide Powder, Scrap or Uranium Pellets instead of Uranyl Nitrate Crystals.

The CFFF currently operates under a Part 70 license for SNM. Under this license they are required to protect Special Nuclear Material (SNM) IAW 10 CFR 73.67. The current approved

Enclosure 1

Physical Security Plan (PSP) provides reasonable assurance that the SNM at the facility has adequate protection against theft and diversion. The request asks to change some of the materials authorized for receipt but does not change the overall physical security requirements at the facility. As such, the request does not make any changes to the current PSP commitments.

CONCLUSIONS

(U) The U.S. Nuclear Regulatory Commission (NRC) Staff's review of the applicant's Physical Security Plan (PSP) for the protection of Special Nuclear Materials (SNM) of Low Strategic Significance (LSS) contains information that has been marked as "Safeguards Information" by the applicant, pursuant to 10 CFR 2.390. NRC staff reviewed the applicant's PSP for fixed site physical protection of SNM-LSS and chemicals of concern. The methods and procedures outlined in the PSP satisfy the performance objectives, systems capabilities, and reporting requirements specified in 10 CFR 73.67. The PSP for the facility is acceptable and provides reasonable assurance that the requirements for the physical protection of SNM-LSS and chemicals of concern will be met.

(U) The staff concludes that Revision 39, as revised by RAI responses, is acceptable and recommends approval.

PRINCIPAL CONTRIBUTOR(S)

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