

SUBJECT: Safeguards Evaluation Report, Westinghouse Electric Company LLC (WEC), Nuclear Fuel, Columbia, SC. Docket No: 70-1151, License No: SNM-1107, SNM-1107 License Application and Physical Security Plan Revisions, Revision 38, Dated September 21, 2009. (TAC L32887)

## **BACKGROUND**

By letter dated September 21, 2009, WEC submitted Revision 38 of the Physical Security Plan addressing the proposed expansion of the Controlled Access Area (CAA) of the Columbia Fuel Fabrication Facility (CFFF) for review and approval by the Nuclear Regulatory Commission (NRC) in accordance with 10 CFR 70.34. Additionally, the staff reviewed the Physical Security Plan, Revision 38, to ensure that it meets the 10 CFR 73.67 (g) requirements.

On December 16, 2009, NRC staff conducted a site visit of Westinghouse Columbia Fuel Fabrication Facility, 5801 Bluff Rd, Columbia, SC 29250.

## **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 to expand the Controlled Access Area submitted by Westinghouse Columbia Fuel Fabrication Facility;
2. prepare RAIs;
3. evaluate additional information submitted; and
4. prepare input for the Safeguards Evaluation Report.

Enclosure

## **DISCUSSION**

By letter dated September 21, 2009, WEC submitted SNM-1107 License Application and Physical Security Plan, Revision 38, addressing a project to expand the Controlled Access Area for the Columbia Fuel Fabrication Facility (CFFF).

During the December 16, 2009 site visit, NRC staff discussed WEC plans to expand the current CAA of the CFFF in order to clarify the information received. WEC provided the NRC staff with enlarged maps of the proposed expansion and gave a presentation outlining the expansion project to include figures of the areas of expansion and the purpose behind it. WEC and NRC staff conducted a walk down of the areas of the expansion project to verify the information that was discussed in the submittal.

## **CONCLUSIONS**

Based upon review of the letter submitted September 21, 2009 in conjunction with the December 16, 2009 site visit, the staff concludes with reasonable assurance that the revision to the Controlled Access Area of the Columbia Fuel Fabrication Facility Physical Security Plan, Revision 38, dated September 21, 2009, meets the 10 CFR 73.67 (g) requirements for the protection of special nuclear material of low strategic significance and recommends that it be approved.

## **PRINCIPAL CONTRIBUTOR(S)**

Rebecca A. Clinton