

[REDACTED]

DOCKET: 70-1151

LICENSEE: Westinghouse Electric Company  
Columbia, SC 29250

SUBJECT: SAFEGUARDS EVALUATION REPORT: SUBMITTAL DATED OCTOBER 27,  
2004, REVISIONS TO FUNDAMENTAL NUCLEAR MATERIAL CONTROL  
PLAN

### BACKGROUND

By cover letter dated October 27, 2004, Westinghouse Columbia Fuel Fabrication Facility submitted a revision to the facility's Fundamental Nuclear Material Control (FNMC) Plan. This Plan submittal, designated as Revision 36, was processed pursuant to the provisions of 10 CFR 70.34 since some changes in the licensee's material control and accounting (MC&A) program practices require NRC evaluation and approval prior to implementation.

### DISCUSSION

The submittal represents an extensive update of the licensee's FNMC Plan and the changes affect the text in all nine chapters of the Plan. All revised chapters were submitted in their entirety with a new designated date and revision number. [REDACTED]

[REDACTED] The Plan  
changes in this revision are summarized as follows:

Global changes:

- Updated drawings, figures and tables, and corrected typographical errors throughout the FNMC Plan.
- Added the provision of a designated member of the Environment, Health and Safety organization to approve MC&A procedures and documents in the capacity of an acting manager.

Chapter 1 - Content of the FNMC Plan and Annex

- [REDACTED]

Chapter 2 - Confirming the Presence of Special Nuclear Material

- [REDACTED]

### Chapter 3 - Management Structures

- [REDACTED]  
[REDACTED]
- [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

### Chapter 4 - MC&A Measurements and Measurement Control

- [REDACTED]  
[REDACTED]

### Chapter 5 - Physical Inventories

- [REDACTED]  
[REDACTED]
- [REDACTED]
- Updated the time frame for NRC Form 327 submittal to be consistent with the guidance document.

### Chapter 6 - Item Control Program

- [REDACTED]  
[REDACTED]
- [REDACTED]
- [REDACTED]  
[REDACTED]
- [REDACTED]  
[REDACTED]
- [REDACTED]  
[REDACTED]
- [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

### Chapter 7 - Resolving Shipper/Receiver Differences

- [REDACTED]  
[REDACTED]  
[REDACTED]

### Chapter 8 - Assessment of the MC&A Program

- Revised the Safeguards Assessment Team membership requirements and clarified the assessment scope and activities.

### Chapter 9 - Recordkeeping System

- Clarified the process for routine reviews of record accuracy and completeness.

[REDACTED]

Upon review of the revised chapters in the licensee's submitted Plan changes, the staff finds that the facility's practices and activities in its MC&A program elements are appropriate and adequate, and that these changes to the licensee's FNMC Plan are acceptable, and continue to provide and maintain the existing effectiveness level of the licensee's safeguards program.

#### ENVIRONMENTAL REVIEW

The staff has determined that the FNMC Plan revisions involve the safeguards plan and material accountability which are categorically excluded from the requirements to prepare a site-specific environmental assessment. Therefore, in accordance with 10 CFR 51.22(c)(12), neither an environmental assessment nor an environmental impact statement is warranted for this action.

#### CONCLUSION

The staff concludes that the licensee's revised FNMC Plan is acceptable and contains appropriate and necessary commitments to satisfy applicable MC&A regulations specified in 10 CFR 74.31. Approval of the amendment is recommended. Thus, the existing Safeguards License Condition SG-1.1 should be reissued to update the Plan Revision 36, and to read as follows:

SG-1.1        The licensee shall follow pages i through xxiii and Chapters 1.0 through 9.0 of its "Fundamental Nuclear Material Control Plan for the Columbia Fuel Fabrication Facility," which has been revised as indicated by Revision 36 (dated October 25, 2004). Any further revision to this Plan shall be made only in accordance with, and pursuant to, either 10 CFR 70.32(c) or 70.34.

#### PRINCIPAL CONTRIBUTOR

Thomas N. Pham