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UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II

101 MARIETTA STREET, N.W.
ATLANTA, GEORGIA 30323

Report No.: 70-1151/89-09

Licensee: Westinghouse Electric Corporation
Commercial Nuclear Fuel Division
Columbia, SC 29250

Docket No.: 70-1151

License No.: SNM-1107

Inspection Conducted: December 4-8, 1989

Inspector: *E. L. Clay* for E. L. Clay, Safeguards Engineer, RII 1/2/90 Date Signed

Approved by: *D. R. McGwire* for D. R. McGwire, Chief 1/02/90 Date Signed
Safeguards Section
Nuclear Materials Safety and Safeguards Branch
Division of Radiation Safety and Safeguards

SUMMARY

Scope:

This routine, announced inspection evaluated the licensee's nuclear material control and accounting program performance in the areas of measurement systems and licensee actions on previous inspection findings.

Results:

No violations or deviations were identified in the areas inspected. The facility SGS NDA measurement system was performing accountability measurements using calibrations which were based upon the use of approved reference standards. The licensee followed their approved FNMC plan and operating procedures requirements and used trained and qualified personnel to perform accountability measurements as required. The inspector was unable to determine that the system could reliably substantiate the quantities of element and isotope measured and was unable to affirm that the measurement system was capable of performing acceptable accountability measurements of SNM contained in scrap/waste materials. The inspector discussed the SGS measurement system operations and inspection conclusions with NMSS, Headquarters who will provide the licensee with additional guidance for acceptable performance of measurements and controls of non-key measurement systems.

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