

U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION I

Report No. 70-364/79-23

Docket No. 70-364 License No. SNM-414 Safeguards Group 1

Licensee: Babcock & Wilcox Company

P.O. Box 1260

Lynchburg, Virginia 24505

Facility Name: Nuclear Materials and Manufacturing Division,
Pennsylvania Operations

Inspection At: Apollo and Parks Township, Pennsylvania

Inspection Conducted: September 10-14, 1979

Date of Last Material Control and Accounting Inspection: July 9-13, 1979

Type of Inspection: Unannounced Material Control & Accounting

Inspectors: A. Della Ratta 10-23-79
A. Della Ratta, Safeguards Auditor date

H. Zibulsky 10-23-79
H. Zibulsky, Safeguards Chemist date

Approved by: James H. Joyner 10-23-79
J. H. Joyner, Chief, Nuclear Material Control Support Section, Safeguards Branch date

Inspection Summary:

Areas Inspected: Measurement Control Program, Inventory Reconciliation and Records and Reports.

The inspection involved 68 inspection hours onsite by two NRC inspectors and was begun during the regular hours.

Results: The licensee was found to be in compliance with NRC requirements in the three areas examined during the inspection except for the following item:

1. The licensee's procedure for determining the systematic error for the amperometric titration of plutonium and for determining the measurement bias will remain an unresolved item pending revision by the licensee of their Fundamental Nuclear Material Control Plan (FNMCP). (Unresolved)

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