

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

REGION I

Report No. 70-135/79-06  
70-364/79-09  
Docket No. 70-135  
70-364  
License No. SNM-145 Priority 1 Safeguards Group 1  
SNM-414 Category UR-PU

Licensee: Babcock and 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, Facilities

Inspection Conducted: March 5 to April 27, 1979

Inspectors: W. L. Kushner 9/24/79  
W. L. Kushner, Resident Fuel Facility Inspector date

\_\_\_\_\_ date

\_\_\_\_\_ date

Approved by: J. H. Joyner 9/24/79  
J. H. Joyner, Chief, Nuclear Material Control date  
Support Section, Safeguards Branch

Inspection Summary:

Inspection on March 5 to April 27, 1979 (Combined Report Nos. 70-135/79-06  
and 70-364/79-09)

Areas Inspected: Routine inspection by the resident inspector of nuclear material control and accounting, physical security and health and industrial safety. The inspection involved 103 inspector-hours onsite by the resident inspector.

Results: Of the three areas inspected, one apparent item of noncompliance was identified in one area (Infraction - failure to maintain required number of armed guards at the Apollo facility, Paragraph 3)

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PURSUANT TO 10 CFR 2.790

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## REPORT DETAILS

### 1. Persons Contacted

- \*W. F. Heer, Manager, Pennsylvania Operations
- \*M. A. Austin, Manager, Technical Control
- \*E. L. Bellisario, Manager, Nuclear Material Control and Accounting
- J. M. Shields, Manager, Security
- E. M. Benson, Manager, Plutonium Plant
- R. V. Carlson, Manager, Uranium Plants

The inspector interviewed, or was in contact with, numerous licensee employees of all aspects of the Pennsylvania Operations.

\*Denotes those present at the weekly Resident Inspector/licensee management meeting.

### 2. Licensee Action on Previous Inspection Findings

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## 6. Health and Industrial Safety

### a. Housekeeping Controls

- (1) Disposable materials and debris are promptly moved to collection areas for disposal.
- (2) Excess combustible materials are removed to authorized storage areas.

### b. Operations Review

- (1) Health and safety procedures were reviewed and found to be current and available to operators in plant areas.
- (2) Authorized posted criticality limits and fissile material accumulation records were inspected to insure that limits were not exceeded.

### c. Environmental Programs

- (1) This was inspected to assure that required equipment was installed and operating. Samples are collected in designated locations and equipment has been calibrated in the proper time frame (Reference Combined Inspection Report 70-135/79-05 and 70-364/79-08).

### d. Radiation Protection

- (1) Survey instruments were located at personnel egress points from process areas.
- (2) Air sampling equipment in process areas was in operation.

## 7. Independent Inspection Effort

- a. The inspector, while in plants or during discussions with Pennsylvania Operations personnel, observed adherence to general industrial and health and safety practices, including use of safety glasses, face masks, respirators, attention to change lines and proper self checks by persons for contamination. Attitudes and knowledge of personnel performing functions related to plant operations from the standpoint of safety and safeguards control were also observed.
- b. Discussions were held with the licensee regarding controls over the laundry facility and the "gas lab", which are located in a separate building adjacent to the Apollo plant. The facility was inspected to assure proper health and safety postings and controls. The "gas lab" is an extension of MBA-22 (Chemistry Lab).

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- c. Inspection tours were also conducted of various plant perimeters, such as unrestricted areas, to assure they were free of possibly contaminated items. Refer to Combined Inspection Report 70-135/79-08 and 70-364/79-12.
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- f. Licensee actions during an evacuation of the Apollo site at 1:40 p.m. on April 24 were observed by the inspector. The evacuation was caused by a criticality alarm that activated while being repaired. The evacuation and resultant search of the evacuation routes and assembly point were performed according to procedure.

8. General

- a. The following regional based inspectors inspected B&W facilities during this period:

March 5-9: P. Bissett  
March 13-16: P. Clemons  
March 26-30: H. Zibulsky, D. Holody  
April 9-13: A. Della Ratta, P. Bissett  
April 16-20: G. Smith

- b. THIS PARAGRAPH INTENTIONALLY LEFT BLANK; IT CONTAINED 10 CFR 2.790 INFORMATION - NOT FOR PUBLIC DISCLOSURE.

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9. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, items of noncompliance or deviations. An unresolved item disclosed during this inspection is discussed in Paragraph 7d.

10. Exit Interview

The Resident Inspector met with the Manager, Pennsylvania Operations, frequently during this inspection period to discuss items of mutual concern, the contents of this report and the identified item of noncompliance. Also, on April 11, 1979, the Resident Inspector met with the Manager, Pennsylvania Operations, to discuss a letter received by B&W containing allegations made by a facility employee. The licensee was advised that this letter would be transmitted to the Region I office for action.

Subsequently the allegor refused to talk to the NRC. An Inquiry conducted at the B&W facility failed to substantiate any of the allegations.

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