

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

Region I

Report No. 80-03  
Docket No. 40-8702  
License No. SUB-1339 Priority IV Category E  
Licensee: Department of the Army  
Armament Material Readiness Command  
Rock Island, Illinois 61201

Facility Name: Frankford Arsenal

Inspection at: Philadelphia, Pennsylvania

Inspection conducted: September 18 and October 2, 1980

Inspectors: J. S. Davis, Radiation Specialist 10/21/80  
date signed  
B. O'Neill, Radiation Specialist 10-22-80  
date signed  
C. Rowe, Radiation Specialist 10/20/80  
date signed  
Approved by: J. D. Kinneman, Chief, Materials Radiological 10-22-80  
Protection Section, FF&MS Branch date signed

Inspection Summary:

Inspection on September 18 and October 2, 1980 (Report No. 40-8702/80-03)  
Areas Inspected: Special, announced inspection including review of decontamination plans and schedules, independent measurements of buildings #64, #108, #201, #518, #149, #150 and #316 for radiation levels and removable contamination to verify licensee's request that these seven buildings be released from regulatory control. The inspection involved 20 inspector-hours on-site-time by three NRC inspectors.  
Results: In the two areas inspected, no items of noncompliance were identified. The licensee's survey data reflected the condition of the seven buildings and that the seven buildings meet the criteria in the "Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use."

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## DETAILS

### 1. Persons Contacted

Sal Torrissi, U.S. Army Toxic and Hazardous Materials Agency  
William White, U.S. Army Toxic and Hazardous Materials Agency  
Anthony Saia, Frankford Arsenal Caretaker Activity  
Dave Wright, U.S. Army, Engineer-in-Charge  
Dave Owens, Rockwell International

### 2. Review of Decontamination Plans and Schedules

The inspector discussed with licensee representatives their progress in decontaminating the facility. The licensee representatives stated that there are twelve buildings that are being decontaminated by Rockwell International. In addition, Building 308, a rad waste storage area, needs to be included in the survey prior to final release of the Frankford Arsenal. Three buildings were surveyed during the previous inspection. There were seven buildings that were surveyed on this inspection. Three additional buildings will be ready for the final NRC survey on or about the end of November 1980.

No items of noncompliance were identified.

### 3. Tour of Facilities

The inspectors toured buildings #64, #108, #201, #518, #149, #150 and #316. The inspectors made approximately 1000 measurements of radiation levels in these buildings and took approximately 100 wipe samples from representative areas of these facilities. These wipe samples were analyzed in the Regional Office Laboratory. The results of these independent measurements and analysis indicated no radiation or removable contamination above instrument background and are in agreement with licensee close-out survey dated September 8 and 26, 1980.

### 4. Exit Interview

The inspectors met with the licensee representatives identified in paragraph 1 and summarized the scope and findings of the inspection. The licensee stated that a close-out survey for three additional buildings will be forthcoming to insure that the decontamination effort will be completed prior to the end of 1980.