

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

Region I

Report No. 80-02

Docket No. 40-8702

License No. SUB-1339 Priority IV Categor. E

Licensee: Department of the Army
Armament Material Readiness Command
Rock Island, Illinois 61201

Facility Name: Frankford Arsenal

Inspection at: Philadelphia, Pennsylvania

Inspection conducted: August 14, 1980

Inspectors: J. S. Davis
J. S. Davis, Radiation Specialist

9/30/80
date signed

C. A. Rowe
C. Rowe, Radiation Specialist

9/30/80
date signed

Approved by: J. D. Kinnean
J. D. Kinnean, Chief,
Materials Radiological Protection
Section

9/30/80
date signed

Inspection Summary:

Inspection on August 14, 1980 (Report No. 40-8702/80-02)

Areas Inspected: Special, announced inspection including review of decontamination plans and schedules, independent measurements of buildings #121, #210, #227B for radiation levels and removable contamination to verify licensee's request that these three buildings be released from regulatory control. The inspection involved 10 inspector-hours on-site-time by two NRC inspectors.

Results: In the two areas inspected, no items of noncompliance were identified. The licensee's survey data reflected the condition of the three buildings and that the three 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

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 representative 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 this inspection. There are seven buildings that will be ready for an NRC survey on or about the end of September 1980. Three additional buildings will be ready for the final NRC survey on or about the end of October 1980.

No items of noncompliance were identified.

3. Tour of Facilities

The inspectors toured buildings #121, #210 and #227B. The inspectors made approximately 500 measurements of radiation levels in these buildings and took approximately 50 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 July 14, 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 criteria for the release of soil was discussed. The inspector stated that this should be reviewed with the NRC Materials Licensing Branch, Washington, D.C. The licensee agreed. The licensee stated that a close-out survey for seven additional buildings will be forthcoming to insure that the decontamination effort will be completed prior to the end of 1980.