

U. S. NUCLEAR REGULATORY COMMISSION
REGION I

Report Nos. 30-10527/82-01
30-11285/82-01

Docket Nos. 30-10527
30-11285

License Nos. 37-16174-01 Priority IV Category E
37-16174-02E

Licensee: K. F. Industries, Inc.
2310 N. American Street
Philadelphia, PA 19133

Facility Name: K. F. Industries, Inc.

Inspection At: 2310 N. American Street
Philadelphia, PA 19133

Inspection Conducted: June 30, 1982

Inspectors: *J. Davis* 9/29/82
J. Davis, Radiation Specialist date

R. Ladun 9/29/82
R. Ladun, Radiation Specialist date

Approved by: *J. Kinneman* 9/29/82
J. Kinneman, Chief date
Materials Radiological Protection Section

Inspection Summary:

Inspection on June 30, 1982 (Combined Report Nos. 30-10527/82-01 and 30-11285/82-01)

Areas Inspected: Special, unannounced close-out inspection including review of disposal licensed material and independent measurements for radiation levels and removable contamination. The inspection involved 4 inspector-hours onsite time by two NRC inspectors.

Results: No violations were identified. The facility is as described in the Licensee's letter dated April 20, 1982.

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DETAILS

1. Person Contacted:

* Michael Heyman, Production Manager

* denotes individual present during exit interview

2. Background

The licensee requested to have the licenses terminated in a letter dated April 20, 1982. The licenses authorized the manufacture and distribution of smoke detectors containing sealed americium-241 sources. The licensee stated that all radioactive material had been properly disposed of.

3. Scope of Operations

A licensee representative stated that 11 separate americium-241 foils and all those attached to partially assembled smoke detectors were disposed on April 20, 1982 by transfer to Teledyne Isotopes. The inspector examined the transfer record documenting that Teledyne Isotopes received a five gallon can containing less than 300 microcuries of Am-241. Since each foil is 1.3 microcuries, the disposal included between 200 to 250 sources. A licensee representative stated they only ordered 100 foils at a time and never had in inventory the total quantity of foils that they were licensed to possess.

The licensee representative stated that they received a waiver from U.S. Ecology, Richland, Washington, to dispose of the sources and the partially assembled Am-241 smoke detectors. The date of the waiver was March 29, 1982.

No violations were identified.

4. Tour of the Facility

The inspectors surveyed each shelf of the licensee's storage cabinet, the four smoke detector assembly areas and the shipment area using appropriate radiation detection instrumentation. In addition, the inspectors took smear surveys from each of these areas, which were counted for alpha activity at the Region I laboratory. Results of these revealed that there was measurable radiation and no significant removable contamination at the facility. All americium-241 sources were properly disposed of.

No violations were identified.

5. Exit Interview

The inspectors met with the license representative identified in paragraph 1 and summarized the scope and findings of the inspection. Based on the confirmatory measurements, it appears that the licensee has properly disposed of all licensed material.