



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA STREET, N.W.
ATLANTA, GEORGIA 30303

Report No.: 70-1319/78-5

Docket No.: 70-1319

License No.: SNM-1315

Licensee: U. S. Nuclear, Inc.
P. O. Box 680
Oak Ridge, Tennessee 37830

Facility Name: U. S. Nuclear Fuel Fabrication Plant

Inspection at: Oak Ridge, Tennessee

Inspection conducted: October 27, 1978

Inspector: J. B. Kahle

Accompanying Personnel: W. E. Crow, NMSS

Reviewed by:

John Potter
J. P. Potter, Chief
Fuel Facilities and Materials Safety Section
Fuel Facility and Materials Safety Branch

11/27/78
Date

Inspection Summary

Inspection on October 27, 1978 (Report No. 70-1319/78-5)

Areas Inspected: Special announced inspection of status of decontamination and decommissioning operations. The inspection involved approximately 3 inspector-hours on site by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

78122900

84

DETAILS

Prepared by:

J. B. Kahle
J. B. Kahle, Fuel Facilities Inspector
Fuel Facilities and Materials
Safety Section
Fuel Facility and Materials
Safety Branch

11/20/78
Date

Dates of Inspection: October 27, 1978

Reviewed by:

J. P. Potter
J. P. Potter, Chief
Fuel Facilities and Materials
Safety Section
Fuel Facility and Materials
Safety Branch

11/22/78
Date

1. Persons Contacted

*S. Weaver, President
G. Carroll, Technician

*Denotes those present at the exit interview.

2. Licensee Action on Previous Inspection Findings

Not inspected during this inspection.

3. Unresolved Items

No new unresolved items were identified during this inspection.

4. Status of Decontamination

- a. A licensee representative stated that decontamination of equipment and the facility had been completed. All the paint had been removed from the two presses and the rolling mill in the melt-cast area. Licensee representatives stated that the small metal liquid waste holdup tank had been cut up with a torch and the pieces placed in 55-gallon waste drums. They stated that the plastic tank had never been used due to leak problems and, consequently, did not contain any radioactive contamination. Surveys of the inside surfaces of the large metal tank showed that the contamination levels were below the guideline values.
- b. The inspector noted that there were two large and one small wooden boxes and approximately forty 55-gallon drums of radioactive contaminated waste. A licensee representative stated that the contaminated waste would be sent to a commercial burial site.

- c. The results of the paint samples from painted equipment were discussed by the inspector, the NMSS/NRC representative and a licensee representative. Using a ratio factor of 20 for the total uranium activity to the uranium-235 activity and remeasuring the area from which the paint was removed, it was concluded that all the paint sample results met the release levels except for the metal lab table. A licensee representative stated that the table would be dismantled and placed in the contaminated waste.
- d. A licensee representative stated that USN would submit sketches or plots to NMSS showing the locations where surveys were taken. After an evaluation of the survey results by NMSS shows the facility and equipment to be satisfactorily free of contamination for release, a request will be made by NMSS for Region II to conduct a verification survey.
- e. Exit Interview

The decontamination status and future actions to complete decommissioning were discussed with Dr. Sam Weaver, USN, and Mr. William Crow, NMSS, at the conclusion of the inspection.