

U. S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-309/82-17

Docket No. 50-309

License No. DPR-36 Priority -- Category C

Licensee: Maine Yankee Atomic Power Company

83 Edison Drive

Augusta, Maine 04336

Facility Name: Maine Yankee Nuclear Generating Station

Inspection At: Wiscasset, Maine

Inspection Conducted: September 8-10, 1982

Inspectors: P. Clemons
P. Clemons, Radiation Specialist

2/21/83
date

C. Rowe
C. Rowe, Radiation Specialist

2/23/83
date

Approved by: M. Shanbaky
M. Shanbaky, Acting Chief, Facilities
Radiation Protection Section, Technical
Programs Branch

2/24/83
date

Inspection Summary: Inspection on September 8-10, 1982 (Report No. 50-309/82-17)

Areas Inspected: Routine unannounced safety inspection of transportation activities including: design verification, procedures, waste solidification, shipping packages, training, shipments, management control, and record maintenance. The inspection involved 40 inspector hours on-site by two region based inspectors.

Results: Two violations were identified (failure to maintain records, paragraph 3; failure to follow procedures, paragraph 4).

DETAILS

1. Persons Contacted

- * Mr. J. Brinkler, Technical Support Department Head
- * Mr. R. Chase, Supervisor, Quality Assurance
- * Mr. R. Forrest, Facilities Section Head
- * Mr. J. Garrity, Senior Director, Nuclear Engineering and Licensing
Mr. A. Jordan, Supervisor, Quality Control
- * Mr. R. Lawton, Director, Operational Quality Assurance
- * Mr. G. Morrison, Health Physics Instructor
- * Mr. G. Pillsbury, Radiological Controls Supervisor
- * Mr. D. Sellers, Hazardous Waste Manager
- * Mr. J. Stevens, Specialty Training Group Section Head
- * Mr. E. Wood, Plant Manager

NRC

- * Mr. P. Swetland, Senior Resident Inspector

*denotes those present at the exit interview.

2. Shipments

On September 8, 1982, the inspector determined that the licensee made shipments of Type B quantities of licensed material on August 24, 1981, and April 12, 13 and 20, 1982. Documentation for these shipments were reviewed.

No violations were identified.

3. Records

10 CFR 71.62(a)(10) requires records be maintained of the results of determinations made prior to each use of a shipping package as required by 10 CFR 71.54.

On September 8, 1982, the inspector determined that the licensee did not maintain the results of determinations made prior to the use of package DOT Specification 20WC-4 for the shipment of 168.8 Curies of licensed material that was made on April 12, 1982.

The failure to maintain records as required by 10 CFR 71.62 represents a violation of the regulations. (82-17-01)

4. Procedures

Criterion IV of the licensee's approved quality assurance program for shipping packages, 10 CFR 50, Appendix B, requires procedures be developed, implemented, and followed, for activities affecting the quality of the packages. The inspector determined that procedures were not followed in two instances.

Procedure No. 0-03-1, Revision 0, dated August 28, 1981, "Material Receipt, Handling and Storage" requires a receipt inspection of all "items requiring QA and specified in Appendix C of the QA Program". Shipping packages are specified in Appendix C of the Maine Yankee Operational Quality Assurance Program. Item 4.2 of Procedure No. 0-03-1 requires receipt inspections be documented on Form No. 0-03-1-1.

On or before April 12, 1982, the licensee received package DOT Specification 20WC-4 to be used to ship 168.8 Curies of Cesium-137 off-site to a vendor. The Radiation Controls Supervisor stated that the receipt inspection of the shipping package was performed, but it was not documented as required.

Item 5.10 of Procedure No. 9.1.15, Revision 8, dated February 12, 1982, "Shipment of Radioactive Material," requires "the Radioactive Quality Assurance Record (MY-HP-108-79) must be completed for all shipments of radioactive waste, and any material containing greater than Type "A" quantities of radioactive material."

On September 9, 1982, the inspector determined that the licensee did not complete the Quality Assurance Record (MY-HP-108-79) for the shipment of 168.8 Curies of Cesium-137 on April 12, 1982.

The failure to complete the required records represents a violation of 10 CFR 50, Appendix B, (82-17-02).

5. Radioactive Waste Solidification

The inspector determined from discussions with licensee representatives that the licensee had installed a Hittman Waste Solidification System for solidification of evaporator bottoms. The inspector reviewed Procedure No. 7.102, "Process Control For Incontainer Solidification of Evaporator Bottoms," dated September 1, 1982 and Procedure No. 4-134, "Temporary Hittman/MY Waste Solidification System Operation," dated September 1, 1982.

The inspectors review indicated that the procedures required Hittman personnel to perform the first few solidification operations using the system and to provide training to licensee personnel in operation of the system. The procedures contained appropriate Chemistry and Quality Assurance verification hold points.

No violations were identified.

6. Training

One aspect of Criteria II, Apperdix B, 10 CFR 50 is the requirement that the quality assurance program shall provide for training for personnel performing activities that may affect the quality of the program as it relates to shipping packages.

The inspector determined that the licensee provided training in DOT and NRC regulations by reviewing appropriate training documents. This

training was provided by contractor personnel, and it was conducted May 18-20, 1982, for operations, quality assurance, quality control, and health physics personnel.

No violations were identified.

7. Management Control

Criteria I, Appendix B, 10 CFR 50 requires that the authority and duties of persons and organizations performing activities affecting the safety related functions of the quality assurance program for shipping packages shall be clearly established and delineated in writing.

The Technical Control Department has been charged with the responsibility, but the authority and duties have not been formally delineated in writing. The inspector reviewed a draft of a document that would satisfy the requirement. This will be reviewed during a subsequent inspection to assure that it has been implemented. (82-17-03)

No violations were identified.

8. Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on September 10, 1982. The inspector summarized the purpose and scope of the inspection and inspection findings.