

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-309/85-17

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: August 12-16, 1985

Inspector: P. Clemons
P. Clemons, Radiation Specialist

9/6/85
date

Approved by: P. Clemons for
M. Shanbaky, Chief, PWR
Radiation Safety Section

9/6/85
date

Inspection Summary: Inspection on August 12-16, 1985 (Report No. 50-309/85-17).

Areas Inspected: Routine, unannounced pre-outage safety inspection of the Radiation Protection Program including: training and qualification of contractor personnel, planning and preparation, posting and labeling, respiratory protection, and the low level waste storage facility. This inspection involved 33 inspector hours on site by one regionally based inspector.

Results: No violations were identified.

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DETAILS

1.0 Persons Contacted

1.1 Licensee Personnel

J. Garrity, Plant Manager
E. Boulette, Assistant Plant Manager/Manager Technical Support
G. Whittier, Manager, Nuclear Engineering and Licensing
G. Cochrane, Radiological Control Section Head
G. Pillsbury, Assistant to Manager, Technical Support
R. Cosby, Quality Assurance Section Head

1.2 NRC Personnel

C. Holden, Senior Resident Inspector
K. Ferlic, Project Engineer

Other licensee employees were contacted and interviewed during this inspection.

2.0 Purpose

The purpose of this routine pre-outage inspection was to review the licensee's radiation protection activities with respect to the following elements:

- Review of training and qualifications of contractor personnel;
- Review of planning and preparation;
- Review of posting and labeling;
- Review of low level waste storage facility; and
- Review of respiratory protection.

3.0 Selection, Training and Qualification of Contractor Personnel

The licensee's selection, qualification, and training of contractor personnel for this outage were reviewed against criteria contained in 10 CFR 19.12, "Instructions to Workers", and ANSI 18.1 - 1971, "Selection and Training of Nuclear Power Plant Personnel".

The licensee performance relative to these criteria was determined by discussion with the Indoctrination Coordinator, the Assistant to the Manager, Technical Support, the Contractor Site Coordinator, and by reviewing records.

Within the scope of this review, the following was identified.

The licensee intends to employ about forty people in the Radiation Control Section and the Instrument and Control Group. Three of the contractors will be Supervisors; about twenty of the contractors will be

Senior Radiation Control Technicians, and the remainder will be Junior Technicians, Instrument Repair Technicians, and Clerks. The licensee has also added personnel to its contractor Security Force.

At the time of this inspection, most of the contractor radiation safety personnel were onsite, and the documentation reviewed indicated that the contractor personnel had successfully completed the licensee's qualification requirements.

The inspector determined that the licensee does not provide actual "hands-on" training in the practical factors training provided to personnel. The practical factors training is "demonstrated" to personnel. The inspector was informed by a licensee representative that the training program will be revised to include the actual "hands-on" training. This item will be reviewed in a subsequent inspection (309/85-17-01).

Within the scope of this review, no violations were identified.

4.0 Planning and Preparation

The licensee's efforts in advanced planning and preparation for the upcoming outage were reviewed against the criteria contained in 10 CFR 20.101, "Surveys", Regulatory Guide 8.8, "Information Relevant To Ensuring That Occupational Radiation Exposures At Nuclear Power Stations Will Be As Is Reasonably Achievable", and Regulatory Guide 8.10 "Operating Philosophy For Maintaining Occupational Radiation Exposures As Low As Reasonably Achievable."

The licensee's performance relative to these criteria was determined by discussions with a Radiological Control Specialist, and by reviewing documents.

The major tasks reviewed included:

- a. Replacing reactor coolant pump motor;
- b. Steam generator sludge lancing/sludge removal;
- c. Steam generator eddy current testing;
- d. Valve repacking and repair; and
- e. Steam generator nozzle dam installation and removal.

It is apparent that the Radiological Control ALARA group has been extensively involved in the outage planning and preparation.

Within the scope of this review, no violations were identified.

5.0 Posting and Labeling

The licensee's program for area posting and control was reviewed against

the criteria in 10 CFR 20.203, "Caution signs, labels, signals and controls."

The licensee's performance relative to these criteria was determined from a tour of the Controlled Area, and from discussions with staff members.

Within the scope of this review, no violations were identified.

6.0 Low Level Waste Storage Facility

The licensee is constructing a facility for the storage of low level radioactive waste at its Wiscasset, Maine site. The facility is located outside of the Protected Area, but within the Owner Controlled Area. The facility is designed for the storage of waste, assuming the generation rates for five years, based on actual historical data covering a five year period. The facility will be completed during the Fall of 1985.

The waste stored in the facility will be dry active waste in 55-gallon drums or 4' x 4' x 8' containers, and waste that has been solidified in liners.

Within the scope of this review, no violations were identified.

7.0 Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on August 16, 1985. the inspector summarized the purpose and scope of the inspection, and the inspection findings. At no time during this inspection was written material given to the licensee.