

U.S. ATOMIC ENERGY COMMISSION  
DIRECTORATE OF REGULATORY OPERATIONS  
REGION I

RO Inspection Report No:	<u>50-29/75-01</u>	Docket No:	<u>50-29</u>
Licensee:	<u>Yankee Atomic Electric Company</u>	License No:	<u>DPR-5</u>
	<u>20 Turnpike Road</u>	Priority:	<u></u>
	<u>Westboro, Massachusetts 01581</u>	Category:	<u>C</u>
Location:	<u>Rowe, Massachusetts</u>	Safeguards Group:	<u></u>
Type of Licensee:	<u>PWR, 600 Mwt(W)</u>		
Type of Inspection:	<u>Routine, Announced</u>		
Dates of Inspection:	<u>January 7-10, 1975</u>		
Dates of Previous Inspection:	<u>December 17-20, 1975</u>		
Reporting Inspector:	<u>E.C. McCabe, Jr., Sr</u> D. F. Johnson		<u>1/22/75</u> Date
Accompanying Inspectors:	<u>None</u>		<u></u> Date
	<u></u>		<u></u> Date
	<u></u>		<u></u> Date
	<u></u>		<u></u> Date
Other Accompanying Personnel:	<u>None</u>		<u></u> Date
Reviewed By:	<u>E.C. McCabe, Jr.</u> E. C. McCabe, Jr., Senior Reactor Inspector Nuclear Support Section, Reactor Operations Branch		<u>1/22/75</u> Date

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POOR ORIGINAL

SUMMARY OF FINDINGS

Enforcement Action

None

Licensee Action on Previously Identified Enforcement Action

Not inspected

Design Changes

None identified

Other Significant Findings

A. Current Findings

1. The licensee has corrected facility procedure program deviations previously identified in RO Report 50-29/75-01. (Detail 4)
2. The licensee is continuing with his program to upgrade and revise facility procedures pursuant to guidelines set forth in Regulatory Guide 1.33 and industry standard ANSI N18.7. (Detail 3)

B. Unresolved Items

None

C. Status of Previously Reported Unresolved Items

Not Inspected

D. Open Items

Facility procedure program completion. (Detail 3a)

Management Interview

A management interview was conducted on site, January 10, 1975, at the conclusion of the inspection.

Personnel in Attendance

Mr. H. A. Autio, Plant Superintendent  
Mr. R. L. Boutwell, Engineering Assistant to TAPS  
Mr. T. P. Danek, Operations Supervisor  
Mr. L. L. Reed, Quality Control and Audit Coordinator  
Mr. R. E. Reid, NSD, Westboro  
Mr. J. L. Staub, Technical Assistant to TAPS  
Mr. N. N. St. Laurent, Technical Assistant to the Plant Superintendent(TAPS)  
Mr. D. B. Vassar, Assistant Operations Supervisor

Summary of Items Discussed

1. Operating Memos (Detail 2)
2. Results from review of Facility Procedures Program (Detail 3)
3. Previously identified deviations regarding facility procedures (Detail 4)
4. Enforcement Criteria (Detail 5)

## DETAILS

### 1. Persons Contacted

Mr. H. A. Autio, Plant Superintendent  
Mr. E. D. Barry, Control Room Operator  
Mr. R. L. Boutwell, Engineering Assistant to TAPS  
Mr. T. P. Danek, Operations Supervisor  
Mr. F. E. Hicks, Control Room Operator  
Mr. W. J. Jones, Assistant Plant Superintendent  
Mr. L. J. Laffond, Control Room Operator  
Mr. R. C. Pettengill, Control Room Operator  
Mr. J. L. Staub, Technical Assistant to TAPS  
Mr. N. N. St. Laurent, Technical Assistant to Plant Superintendent (TAPS)  
Mr. E. R. Taylor, Shift Supervisor  
Mr. E. A. Walsh, Shift Supervisor

### 2. Operating Memos

The inspector through discussion with the licensee and by examination of pertinent records determined that significant effort has been put forth to phase out all safety related Operating Memos. The licensee prepared an Administrative Procedure AP-0021 to control the preparation, review, approval, issuance and revision of Operating Memos. All safety related memos were separated, reviewed and approved by the plant staff in preparation for submittal to the Manager of Operations for his approval. Subsequent to this action a management decision was made to eliminate the use of safety related memos for plant operation. This decision invalidated previous efforts and cancelled the current completed program. The licensee is presently revising facility procedures to incorporate the data from the operating memos.

The inspector stated he was concerned as to the timely completion of this current program, and that a request will be made for the licensee to respond in writing to provide a commitment date.

### 3. Facility Procedure Program Review

#### a. Procedural Coverage

The inspector verified by review of procedure indexes that the licensee's procedure system is broad enough in scope, with the exception of the items listed below, to cover all activities listed in Regulatory Guide 1.33, Appendix A by written procedures.

(1) Recall of Standby Personnel

The licensee agreed to draft a procedure for the recall of standby personnel or incorporate this coverage into existing administrative procedures.

The following procedures are undergoing conversion from the old format to a new format that will be consistent with the guidelines set forth in ANSI N18.7.

- (1) OP-2156 Operation of the component cooling system
- (2) OP-2477 Recirculating, cooling and heating of the vapor container
- (3) OP-2479 Vapor container atmospheric control systems, charging
- (4) OP-2476 Maintaining normal VC pressure
- (5) OP-2502 Operation of the 120 VAC vital bus system
- (6) OP-2503 Operation of the 125 VDC system
- (7) OP-2504 Operation of the station power system
- (8) OP-2130 Startup of an isolated loop
- (9) OP-2131 Cut in of an isolated loop to the reactor
- (10) Alarm procedures for safety related systems and components.

The above items remain open pending completion and approval of the procedures.

b. Procedure Review and Approval

- (1) The inspector verified by a sampling of safety related facility procedures that the licensee has performed an authorized management review and approval in accordance with the requirements of the Technical Specification, including temporary changes to procedures.
- (2) The inspector verified by review of the Plant Operation Review Committee minutes that adequate reviews have been performed including committee evaluations and recommendations. The inspector also verified that committee membership, meeting frequencies, quorums, responsibilities,

authorities and records are in accordance with the requirements of the Technical Specifications and administrative procedure AP-0003 "Plant Operations Review Committee Responsibilities and Authorities".

The inspector reviewed administrative procedure AP-0001 "Plant Procedures" to verify that the licensee has procedures for the revision, periodic review, preparation, distribution and approval of facility procedures.

- (4) The inspector reviewed the PORC meeting minutes and verified that plant and component modifications, Technical Specification changes and timely periodic review have been performed for applicable facility procedures.

The inspector had no further questions in the above areas.

c. Detailed Review of Selected Procedures for Overall Content

The following procedures were reviewed to verify that the licensee's procedures are consistent with the format and content described in ANSI N18.7.

AP-0001 "Plant Procedures"  
AP-2001 "Responsibilities and Authorities of Operations Department Personnel"  
AP-0017 "Switching and Tagging Rules for Plant Equipment"  
AP-0220 "Surveillance Tests and Records"  
AP-2002 "Operations Department Personnel Shift Relief"  
AP-0219 "Maintenance of Operations Departmental Logs"  
AP-0221 "In Plant Files"  
AP-0018 "Bypass of Safety Function and Jumper Control"  
OP-0021 "Operating Memos"  
OP-2100 "Plant Startup from Cold Shutdown"  
OP-2101 "Plant Startup from Hot Standby or Hot Shutdown"  
OP-2103 "Reactor Startup and Shutdown"  
OP-2104 "Plant Shutdown to Hot Standby or Hot Shutdown"  
OP-2106 "Plant Cooldown from Hot Shutdown"  
OP-2125 "Filling and Venting of Main Coolant System"  
OP-2127 "Draining a Main Coolant Loop"  
OP-2129 "Filling and Venting an Isolated Loop"  
OP-3000 "Emergency Shutdown from Power"  
OP-3201 "Rupture of a Main Steam Line"  
OP-3203 "Loss of Condenser Vacuum"  
OP-5200 "Main Coolant Check Valve Repair"  
OP-5201 "Main Coolant Motor Operated Valve Maintenance"

The inspector had no further questions in this area.

4. Previously Identified Deviations in Facility Procedures

The following procedures were revised by the licensee in accordance with the inspectors comments (RO Report No. 50-29/74-02 detail 4)

a. Emergency Procedures

OP-3754 Battery No. 1, 2 or 3 Critical Voltage  
OP-3747 AC Failure Battery Charger No. 3  
OP-3252 Total Loss of AC  
OP-3203 Feed Water Line Break Emergency Action  
OP-3106 Total Loss of Main Coolant  
OP-3103 Total Loss of Main Coolant Flow  
OP-3010 Emergency Evacuation of Control Room

b. Operating Procedures

RP-2600 Operation of the control and service air systems  
RP-2250 Feed Water Line Isolation and Return to Service  
OP-2106 Plant Cooldown from Hot Shutdown  
OP-2100 Plant Startup from Cold Shutdown  
OP-2107 Changing Plant Load

c. Surveillance and Maintenance Procedures

OP-4204 Monthly Test of Safety Injection System  
OP-4211 Emergency Boiler Feed Pump Surveillance Test  
OP-4209 Flow Test of Two ECCS Trains with Emergency Power  
AP-5200 Maintenance Department Surveillance Schedule

d. Instrumentation Procedures

OP-6103 Reactor and Turbine/Generator Permissive Switch and Associated Time Delay Relay Calibration and Functional Test  
  
OP-6450 Inspection and Stroke Calibration of V.C. Trip Valves

e. Health Physics Procedures

OP-8100 Establishing and Posting Controlled Areas  
RP-8400 Use of Protective Clothing

f. Administrative Procedures

AP-0001 Plant Procedures

The inspector had no further questions in this area.

5. Enforcement Criteria

The inspector discussed with the licensee the criteria for determining enforcement action and categories of noncompliance with AEC regulatory requirements.

The following items were discussed in detail:

- a. Levels of enforcement actions available to the Commission
- b. Categories of noncompliance
  - (1) Violation
  - (2) Infraction
  - (3) Deficiency
- c. Deviations