

CHANGE 19 TO THE VERMONT YANKEE EMERGENCY PLAN - IMPLEMENTING PROCEDURES

1. Under the tab "TABLE OF CONTENTS" remove the existing table of contents and insert the attached dated August 2, 1983.
2. Following the tab "CONTACT LIST" remove existing list and insert attached list dated JULY 1983. (IF APPLICABLE)
3. Following the tab "CLASSIFICATION OF EMERGENCIES" incorporate DI #83-46 to O.P. 3125.
4. After the tab and procedure "POST ACCIDENT SAMPLING" insert the tab and procedure "ACTIVATION OF ALTERNATE EOF".

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VERMONT YANKEE EMERGENCY PLAN  
IMPLEMENTING PROCEDURES

TABLE OF CONTENTS

August 2, 1983

Contact List

July 1983

Implementing Procedures:

Emergency Plan Classification and Action Level Scheme	A.P. 3125	Rev. 4
Unusual Event	O.P. 3500	Rev. 2
Alert	O.P. 3501	Rev. 3
Site Area Emergency	O.P. 3502	Rev. 15
General Emergency	O.P. 3503	Rev. 16
Evaluation of Off-Site Radiological Conditions	O.P. 3513	Rev. 7
Off-Site and Site Boundary Monitoring	O.P. 3510	Rev. 11
Off-Site Protective Actions Recommendations	O.P. 3511	Rev. 0
Emergency Radiation Exposure Control	O.P. 3507	Rev. 13
On-Site Medical Emergency Procedure	O.P. 3508	Rev. 11
Emergency Actions by Plant Security Personnel	O.P. 3524	Rev. 3
Release of Public Information	A.P. 3512	Rev. 4
Radiological Coordination	O.P. 3525	Rev. 2
Environmental Sample Collection During an Emergency	O.P. 3509	Rev. 8
Post Accident Sampling	O.P. 3530	Rev. 4
Activation of Alternate EOF	O.P. 3514	Rev. 0

Sampling Procedures:

Emergency Plan Training	O.P. 3712	Rev. 7
Emergency Preparedness Exercises and Drills	O.P. 3505	Rev. 10
Emergency Equipment Readiness Check	O.P. 3506	Rev. 15
Emergency Communications	O.P. 3504	Rev. 15

MEMORANDUM

TO Plant Procedure Manual Holders Vernon  
FROM R. L. Branch Vernon  
SUBJECT Change to Plant Procedure Manual

June 8, 1983

FILE 6.1.5

Operations DEPARTMENT INSTRUCTION 83-46

Concurring Individual: [Signature] Date: 6/14/83

SRO Concurring: W. J. [Signature] Date: 6/8/83

Second SRO Concurring: [Signature] Date: 6/8/83

Chemistry and Health Physics Supervisor or Plant Health Physicist:

Date: \_\_\_\_\_

This instruction becomes effective on the date that a Second Senior Licensed Operator signs above, unless a Health Physics procedure is involved, in which case this instruction becomes effective on the date that a Senior Licensed Operator and the Chemistry and Health Physics Supervisor or the Plant Health Physicist signs above.

Instruction Cancelled: Rev. 5 of AP 3125

Scope of Instruction: Replace Table I (pages 9 & 10) with attached.

Reason for Change: Changes to clarify response to Security events.

JEE/cjm

Reviewed [Signature] 6/14/83 Approved [Signature] 6/14/83  
PORC Secretary Plant Manager

TABLE I

9. SECURITY EVENTS

Unusual Event Refer to O.P. 3500	Alert Refer to O.P. 3501	Site Area Emergency Refer to O.P. 3502	General Emergency Refer to O.P. 3503
(None)	(None)	Upon notification to the Control Room by the Security Force that loss of physical control of the plant is imminent.	Upon notification to the Control Room by the Security Force that loss of physical control of the plant has occurred.

TABLE I

GENERAL CRITERIA

<p>Initial Event Refer to O.P. 3500</p>	<p>Alert Refer to O.P. 3501</p>	<p>Site Area Emergency Refer to O.P. 3502</p>	<p>General Emergency Refer to O.P. 3503</p>
<p>Events other than Security Events in process or have occurred which warrant plant staff notification and increased awareness for off-site authorities. (Notification and response for Security Events at this level are performed in accordance with the Security Plan.)</p>	<p>Events other than Security Events in process or have occurred which warrant precautionary activation of the Technical Support Center and the Emergency Operations Facility. (Notification and response for Security events at this level are performed in accordance with the Security Plan.)</p>	<p>Events in process or have occurred which warrant activation of emergency centers, initiation of off-site monitoring and/or notification of the public.</p>	<p>Events are in process or have occurred which warrant initiation of predetermined protective action for the public.</p>

Dept. Supv.	<u>                    </u>	Proc. No.	<u>O.P. 3514</u>
PORC	<u>                    </u>	Rev. No.	<u>Original</u>
Plant Mgr.	<u>                    </u>	Issue Date	<u>3/15/83</u>
Mgr. of Ops.	<u>W. Murphy</u>	Review Date	<u>3/15/85</u>

# ACTIVATION OF THE ALTERNATE EMERGENCY OPERATIONS FACILITY/RECOVERY CENTER

## Purpose;

To describe the criteria for and the actions required to activate the Alternate Emergency Operations Facility/Recovery Center (AEOF/RC).

## Discussion:

The AEOF/RC is located on the second floor of the Vermont Yankee Corporate Offices in Brattleboro, Vermont on Ferry Road, approximately 8.75 miles north-northwest of the plant site.

In the event that radiological conditions, either actual or predicted, necessitate using the AEOF/RC, all personnel and equipment at the primary EOF/RC (Governor Hunt House) necessary to maintain an informed, functional staff will be located to and placed in service at the AEOF/RC. To the extent possible, transfer to the AEOF/RC will be phased such that the functions of the AEOF/RC are made fully operational before the primary EOF/RC is finally evacuated.

Notification to emergency response staffs at the plant and off-site locations occurs before and after the actual transfer to the Alternate Emergency Operations Facility/Recovery Center.

The following figure and table is attached:

Figure 1 Layout of the Alternate Emergency Operations Facility/Recovery Center

Table 1 Equipment to be Relocated to the AEOF/RC

## References:

### A. Tech. Specs.

1. None

### B. Admin. Limits

1. None

### C. Other

1. O.P. 3501, Alert
2. O.P. 3502, Site Area Emergency
3. O.P. 3503, General Emergency
4. O.P. 3507, Emergency Exposure Control
5. O.P. 3504, Emergency Communications

Precautions:

1. Notification to the Control Room, Technical Support Center and Plant Security should occur before transfer to the AEOF/RC takes place.
2. If state centers are activated, they shall be advised of evacuation.
3. A phased evacuation should occur, if possible. As a minimum, emergency communications should be activated at the AEOF/RC before it is terminated at the primary EOF/RC.
4. Keys to the AEOF/RC are retained at Gate 1 by Security.

Prerequisites:

1. None

Procedure:

- I. Decision to Evacuate the Primary EOF/RC
  - A. The accumulated center exposure limit is 5 Rem (whole body) (per O.P. 3507).
    1. A dose rate of 50 mR/hr will trigger increased frequency of radiation monitoring.
    2. An accumulated center exposure of 1 Rem (whole body) will trigger the initiation of planning for an evacuation to the alternate center.
    3. An accumulated center exposure of 4 Rem (whole body) will trigger a phased evacuation to the AEOF.
  - B. A phased evacuation to the AEOF/RC shall occur as outlined in Section II.
- II. Evacuation to the Alternate Emergency Operations Facility/Recovery Center
  - A. If the primary EOF/RC is fully staffed and functional then:
    1. A Site Recovery Manager's assistant, two communicators, two emergency responders, and the EOF Coordinator's Assistant will be dispatched to the AEOF/RC. This team will bring with them sufficient gear to verify the habitability of the AEOF/RC, including the following:
      - RM-14
      - PIC-6A
      - Low Volume Air Sampler
      - Keys to the Ferry Road Office Building (obtained from Security, Gate 1)
      - A vehicle equipped with a plant radio to communicate with off-site monitoring teams



Notify states' liaison personnel and have them dispatch a representative to the AEOF/RC if practicable.

2. Upon arrival at the AEOF/RC, the Relocation Team will perform the following functions:
  - a. Perform a habitability check in accordance with O.P. 3507.
  - b. Verify communications with the EOF and State authorities (Vermont, N.H., and Mass.) via the orange phone.
  - c. Verify communications with the EOF Coordinator, Plant Security, SRM, TSC, YNSD Engineering Center, and News Media Center via the commercial telephone.
  - d. Establish a reception area and radiological control point to receive plant evacuees.
  - e. Post status boards and office assignments for the various emergency functions in accordance with Figure 1.
  - f. Communicate with all off-site monitoring teams.
3. Advise the Site Recovery Manager (SRM) and the EOF Coordinator that the AEOF/RC is available to begin the transfer of functions.
4.
  - a. The Site Recovery Manager will define the critical functions occurring at the EOF/RC that need to be continued without interruption.
  - b. The SRM will then proceed to direct personnel and equipment to relocate to the AEOF/RC in an orderly manner.

NOTE: Since it is desirable that no critical function be lost or interrupted during the transfer, it will be necessary to duplicate those functions (identified in 4.a. above) at the AEOF/RC before abandoning the EOF. Except for extreme circumstances, the SRM will generally assign replacement personnel to carry on the duties at the EOF/RC while the principal personnel will relocate to the AEOF/RC. The exact order of personnel exchange, vehicle assignment, and equipment transfer will be determined on existing conditions.

- c. Principal personnel assigned to transfer to the AEOF/RC will brief their replacements as to conditions in their assigned responsibility.



- d. Principal personnel assigned to transfer to the AEOF/RC will be responsible for relocating any equipment that they might need at their new location.

NOTE: Table 1 represents a minimum listing of equipment that would be useful at the AEOF/RC.

5. After verifying to the SRM and EOF Coordinator that all necessary emergency functions are operating at the AEOF/RC, the Site Recovery Manager's Assistant and the EOF Coordinator's Assistant will declare that the AEOF/RC has been activated, and that all further communications should be with the AEOF. This information and the appropriate new phone or call numbers will be transmitted and acknowledged by the following agencies:

Off-site Monitoring Teams  
EOF  
TSC  
Control Room  
State Representatives  
YNSD Engineering Center  
NRC Representatives  
INPO  
Plant Security  
News Media Center  
States' EOC's

6. The SRM, EOF Coordinator and the remaining personnel at the EOF will post a message on the South entry door to the EOF/RC advising subsequent emergency responders of the move to the AEOF/RC, gather all useful equipment and then relocate themselves to the AEOF/RC. If conditions warrant, radio communications may be maintained during transit via radio equipped company vehicles.
- B. If the primary EOF/RC is not fully staffed and functional, then:
1. The EOF Coordinator (or his assistant) will gather up, for transport, the equipment specified in Table 1.
  2. The EOF Coordinator (or his assistant) will advise Plant Security and the Control Room (and TSC, if activated) of the planned move to the AEOF/RC.
  3. A message will be posted on the South entry door to the EOF/RC advising subsequent emergency responders of the move to the alternate EOF/RC.
  4. Company vehicles (if available) will be utilized to transport equipment and personnel to the AEOF/RC. Private vehicles will be used if no company vehicles are available. A key to the AEOF/RC will be acquired from Security at Gate 1.

5. The EOF Coordinator (or his assistant) will establish the alternate EOF/RC utilizing Figure 1 and activate the communications line with State EOF's (Vermont, New Hampshire, and Massachusetts) and with the Technical Support Center, the Operations Support Center and the Control Room.
- C. The Vernon Town Hall may be utilized as a forward control point if it satisfies the requirements for habitability outlined in O.P. 3507.

The Manpower Planning Assistant to the EOF Coordinator will designate individuals to standby at the Vernon Town Hall as required. He will designate an emergency responder to act as a communicator at the facility as required.

- D. Decontamination equipment, monitoring and radiological protection equipment are located in kits at the Town Hall.
- E. The Manpower and Planning Assistant will assess the need for a sample retrieval team to be dispatched to the off-site monitoring team locations to return collected samples to the AEOF/RC without interrupting the progress of off-site assessment. If the need is established, he will coordinate the function of the sample retrieval team in conjunction with the Radiological Assistant.

Final Conditions:

1. The EOF/RC staff and all necessary equipment have been relocated to the AEOF/RC and that facility is functional.

SPS/emr

Figure 1 Alternate Emergency Operations Facility/  
Recovery Center Layout

O.P. 3514  
Original

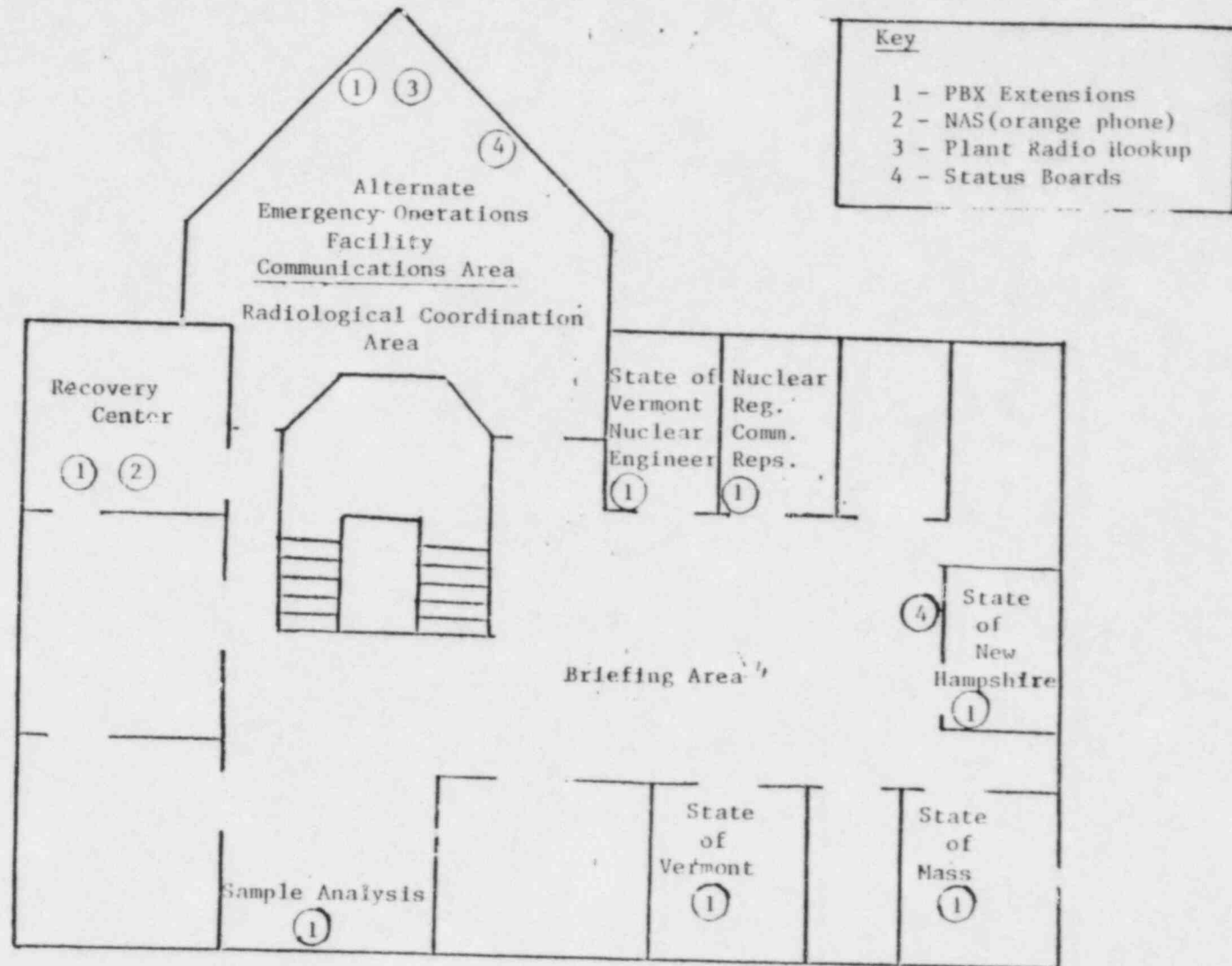


TABLE 1

Equipment to be Relocated to the AEOF/RC

1. Gamma spectroscopy System and Detector or YNSD Mobile Lab
2. Plant radio set (power supply and antenna are permanently in place at the AEOF/RC).
3. EOF Coordinator's Kit #1.
4. EOF Coordinator's Kit #2.
5.
  - a. Respiratory Protection Kit
  - b. Protective Clothing Seabags
6. Off-site Monitoring Kits #1 and #2 including:  
  
RM-14's  
PIC-6's  
Air Samplers
7. Off-site Dose Assessment Map and Wheel
8. Status Boards
  - a. Personnel Status
  - b. Plant Status
  - c. Radiological Status
9. Company vehicles (as many as practicable) - one or more trucks should be reserved for the last crew departing the EOF to accommodate all gear remaining.
10. Assignment Tag Board
11. Radiological Coordinator's Kit

YANKEE ATOMIC ELECTRIC COMPANY (YAEC)  
CONTROLLED DOCUMENT REVISION TRANSMITTAL FORM

50-271

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ASSIGNED HOLDER: 1002 + 3002 + 4002  
ISSUE DATE: AUGUST 3, 1983

Attached is an authorized revision to the above listed document, for insertion into your assigned copy.

1. Incorporate this change in the above document.
2. Sign the Yankee Atomic Electric Company (YAEC) Controlled Document Record of Changes in the front of your document.
3. Sign this form and return it to the address below.
4. Response is expected within 10 working days of the issue date.

Final Response Date: AUGUST 16, 1983

Transmitted By: DELORES I. MARKT

THE UNDERSIGNED ACKNOWLEDGES COMPLETION OF THE FOLLOWING ACTIONS.

1. The receipt and incorporation of change number 19 in the above document.
2. The review of the revised material.
3. Assurance that those who use the document are aware of the change.
4. The completion of the YAEC Controlled Document Record of Changes in the front of the document.
5. Destruction of all superseded pages.

Signature of Holder: \_\_\_\_\_ Date: \_\_\_\_\_

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