TO: NRR DCC

VERMONT YANKEE CONTROLLED DOCUMENT TRANSMITTAL FORM

License No DPR-28
Docket No 50-271

SECTION 1

DOCUMENT TITLE: IMPLEMENTING PROCEDURES TO THE E-PLAN

COPY NUMBER: 54

CHANGE NUMBER: #193

ISSUE DATE: August 2, 2001

INSTRUCTIONS:

a. Attached is an authorized controlled copy to the above listed document for retention as your assigned copy.

b. Review the revised material.

c. Incorporate new change into the controlled document by document issue date, if applicable.

d. Ensure that those who use the document are aware of the change.

e. Destroy all superseded pages.

f. Destroy obsolete forms and insert new forms into the files.

g. Sign and date this form and return to the Executive Secretary (ES) or Document Control Center (DCC).

h. Complete appropriate change information on VY Controlled Document Record of Changes.

TRANSMITTED BY: _____
ES or DCC Signature

AFTER COMPLYING WITH THE ABOVE INSTRUCTIONS, PLEASE RETURN TO THE ES OR DCC WITHIN 10 DAYS OF THE ISSUE DATE.

SECTION 2

The undersigned acknowledges completion of the preceding instructions.

Signature of Recipient: _____ Date: _____

A045

Eplan Implementing Plant Procedures

To: Eplan Implementing Procedure Controlled Set Holders

From: Diane McCue

Date: 8/2/01

Re: VY Eplan Implementing Procedure Change #193, Instruction Sheet

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A Table of Contents is included.

REVISIONS: Please replace the following procedures:

Proc/Rev #	Procedure Title
AP 3125/18	Emergency Plan Classification & Action Level Scheme
OP 3504/33	Emergency Communications
OP 3506/40	Emergency Equipment Readiness Check
OP 3531/14	Emergency Call-In Method
OP 3540/0	Control Room Actions During an Emergency
OP 3541/0	Activation of the Technical Support Center (TSC)
OP 3542/0	Operation of the Technical Support Center (TSC)
OP 3544/0	Operation of the Operations Support Center (OSC)
OP 3545/0	Activation of the Emergency Operations Facility/Recovery Center (EOF/RC)
OP 3546/0	Operation of the Emergency Operations Facility/Recovery Center
OP 3547/0	Security Actions During an Emergency

CANCELLATIONS: Please remove & discard the following procedures:

Proc/Rev #	Procedure Title
OP 3500/19	Unusual Event
OP 3501/20	Alert
OP 3502/32	Site Area Emergency
OP 3503/34	General Emergency

LPC's: The following LPC should be incorporated into the appropriate procedures:

Proc/Rev #	LPC #	Procedure Title
OP 3508/22	2	Onsite Medical Emergency Procedure
OP 3511/11	3	Off-Site Protective Action Recommendations
OP 3524/17	1	Emergency Actions to Ensure Initial Accountability...
AP 3532/10	1	Emergency Preparedness Organization

Vermont Yankee Emergency Plan Implementing Procedures

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August 7, 2001

VERMONT YANKEE NUCLEAR POWER STATION

ADMINISTRATIVE PROCEDURE

AP 3125

REVISION 18

EMERGENCY PLAN CLASSIFICATION AND ACTION LEVEL SCHEME

USE CLASSIFICATION: **REFERENCE**

LPC No.	Effective Date	Affected Pages

Implementation Statement: N/A

Issue Date: 08/07/01

TABLE OF CONTENTS

PURPOSE

The purpose of this procedure is to provide a mechanism for classifying off-normal events and plant conditions into one of the four emergency classifications as described in the Vermont Yankee Nuclear Power Station Emergency Plan.

DISCUSSION

Vermont Yankee personnel are trained so that when they sense that plant operations are off-normal or exceeding administrative controls, they have cause to refer to emergency operating procedures which will subsequently refer them to this procedure if necessary.

This procedure, in chart form, is designed to assign the appropriate emergency class for events which are in progress or have occurred. The Emergency Plan is then implemented on the basis for the classification. The chart does not necessarily list all situations which would require implementation of the Emergency Plan; therefore, any off-normal condition should be evaluated in light of the "General Criteria." The minimum response to any event listed in the chart once it has occurred would be to classify the event at the Unusual Event level and to implement the Emergency Plan accordingly.

The appendix is used by Vermont Yankee personnel to classify an event into one of four classes of Emergency Action Levels:

1. Unusual Event
2. Alert
3. Site Area Emergency
4. General Emergency

The definitions of Emergency Classifications are:

1. Unusual Event: Events are in progress or have occurred which involve potential degradation of plant safety margins, which are not likely to affect personnel on-site or the public off-site or result in radioactive releases requiring off-site monitoring.

   a. Unusual Event (Terminated): Event has occurred and was immediately rectified such that the condition no longer existed by the time of declaration. Further, the event or condition did not affect personnel on-site or the public off-site or result in radioactive releases requiring off-site monitoring.

2. Alert: Events are in progress or have occurred which involve an actual or potential substantial degradation of plant safety margins which could affect on-site personnel safety, could require off-site impact assessment, but is not likely to require off-site public protective action.

3. Site Area Emergency: Events are in progress or have occurred which involve likely or actual major failures of plant functions needed for protection of the public. Any release is not expected to exceed EPA Protective Action Guidelines exposure levels except near the site boundary.

4. General Emergency: Events are in progress or have occurred which involve actual or imminent substantial core degradation or melting with potential for loss of containment integrity. Releases can be reasonably expected to exceed EPA Protective Action Guidelines exposure levels off-site for more than the immediate site area.

The initial responsibility and authority for classifying the level of emergency is assigned to the duty Shift Supervisor, or in his absence from the Control Room, to the duty Supervisory Control Room Operator. Subsequent escalation or de-escalation of the emergency classification is the responsibility and authority of the senior manager of Vermont Yankee who assumes the overall supervision of the emergency response organization. For Unusual Events, the Technical Support Center Coordinator is the designated individual. For Alert and higher emergency classifications, the Site Recovery Manager is the designated individual, upon assumption of this responsibility from the Technical Support Center Coordinator.

Subsequent to entry into an Emergency Action Level (EAL), a second initiating condition does not require a second declaration for the classification already reached. However, it does merit a timely update to the states and the NRC since it is a significant change in the status of the classification.

ATTACHMENTS

1. Appendix A Chart of Categories and Events
2. Appendix B Deleted

REFERENCES AND COMMITMENTS

1. Technical Specifications and Site Documents

   a. All Tech. Specs.
   b. Updated Final Safety Analysis Report (UFSAR)
   c. Off-Site Dose Calculation Manual (ODCM)

2. Codes, Standards, and Regulations

   a. NUREG-1228, "Source Estimations During Incident Response to Severe Nuclear Power Plant Accidents"

3. Commitments

   a. INS9214OP1, "Revise AP 3125 to address concerns noted in NRC Inspection Report 50-271/92-14 per BVY 92-116"
   b. INS9704_01, Address Concern With OP 3127 Requirement To Declare An Unusual Event Based On A Single Operations Indication As Being Overconservative (Seismic, Earthquake)

4. Supplemental References

a. Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants (NUREG-0654)
b. NUMARC/NESP-007, "Methodology for Development of Emergency Action Levels", Rev. 2, dated January 1992
c. Vermont Yankee Nuclear Power Station Emergency Plan
d. Vermont Yankee Physical Security Plan
e. Memo, E.C. Porter to Dist., "1989 Emergency Preparedness Exercise - Redundant Classification Declaration", dated 8/10/89
f. Memo, C.D. Thomas to M.J. Marian, "AP 3125, Appendix B, Fission Product Barrier Matrix Technical Basis", dated 3/30/93
g. Memo, J.G. Parillo to S. Miller, "Monitor Indications for Failed Fuel", dated 6/27/95
h. Letter, USNRC to VYNPC, "NRC Inspection No. 50-271/95-07", dated 6/12/95
i. USNRC EPPOS No. 1, "Emergency Preparedness Position (EPPOS) on Acceptable Deviations from Appendix 1 of NUREG-0654 Based Upon the Staff's Regulatory Analysis of NUMARC/NESP-007, "Methodology for Development of Emergency Action Levels", dated 6/1/95
j. EPA-400-R-92-001, "Manual of Protective Action Guides and Protective Actions for Nuclear Incidents", dated 5/92
k. NUMARC, "Questions and Answers - Methodology for Development of Emergency Action Levels, NUMARC/NESP-007 Rev. 2", dated 6/93
l. OP 3540, Control Room Actions During an Emergency
m. OP 3541, Activation of the Technical Support Center (TSC)
n. OP 3542, Operation of the Technical Support Center (TSC)
o. OP 3544, Operation of the Operations Support Center (OSC)
p. OP 3545, Activation of the Emergency Operations Facility/Recovery Center (EOF/RC)
q. OP 3546, Operation of the Emergency Operations Facility/Recovery Center (EOF/RC)
r. OP 3547, Security Actions During an Emergency

PROCEDURE

1. Refer to Appendix A and based on the event to be classified, locate the appropriate "Event Categories."

2. Determine if any of the Emergency Action Levels (EALs) have been reached for any of the four classes of emergency (Unusual Event, Alert, Site Area Emergency, General Emergency).

> **NOTE**
>
> For any EAL reached the minimum classification is Unusual Event (UE). Also, per OP 3540, it is only at the UE level that the emergency may be immediately terminated by the SS/PED.

3. If multiple EALs have been reached:

   a. Classify the emergency at the highest emergency class for those EALs which exist.

   b. For EALs which have been reached but are no longer present, the emergency must still be classified at the highest emergency class even though the conditions no longer exist.

   c. If other EAL conditions exist which would not require re-classification:

      1) provide a timely update to the NRC and the states since these other conditions represent a significant change in the status of the classification,

      2) do not make a second EAL declaration for the classification already in existence.

4. If events are in progress or have occurred and no specific EALs in Appendix A have been reached, but in the opinion of the responsible individual conditions warrant the implementation of the Emergency Plan or re-classification, the individual should classify the event as appropriate (refer to Appendix A, "General Criteria" Event Category).

NOTE

In making the classification determination, the responsible individual should request assistance from any source immediately available (Security, Chemistry, Radiation Protection, I/C, Maintenance, Engineering Support, etc.). Input from these sources must be prompt, informal, and advisory in nature.

5. Once the classification has been assigned, implementation of the appropriate Emergency Operating Procedure should be initiated with the prompt notifications of off-site authorities performed, consistent with the need for other emergency actions.

6. Changing conditions may require re-classification. Assess conditions periodically and be prepared to initiate the appropriate change.

FINAL CONDITIONS

1. None

THIS PAGE IS AN OVERSIZED DRAWING OR FIGURE,

THAT CAN BE VIEWED AT THE RECORD TITLED:

REV. 18 VY EALs
APPENDIX A
AP 3125, REV. 18
PAGE 1 OF 1

WITHIN THIS PACKAGE...OR, BY SEARCHING USING THE DOCUMENT/REPORT NUMBER:

AP 3125, REV. 18

NOTE: Because of this page's large file size, it may be more convenient to copy the file to a local drive and use the Imaging (Wang) viewer, which can be accessed from the Programs/Accessories menu.

VERMONT YANKEE NUCLEAR POWER STATION

OPERATING PROCEDURE

OP 3504

REVISION 33

EMERGENCY COMMUNICATIONS

USE CLASSIFICATION: **REFERENCE**

LPC No.	Effective Date	Affected Pages

Implementation Statement: N/A

Issue Date: 08/02/01

TABLE OF CONTENTS

PURPOSE

This procedure describes the available communications equipment, the location of this equipment, and the procedures for communicating with on-site and off-site support groups including Federal and State authorities. The procedure also includes the forms to be utilized for recording and transmitting information during an emergency.

DISCUSSION

The plant staff has available to it various types of communications equipment, which when properly used, allow for effective communications with off-site groups. Basic off-site communications channels are graphically illustrated in Figure 1, "Basic Off-Site Emergency Communications Channels".

Table 3, "Vermont Yankee Emergency Communications Capabilities", summarizes the available means of communication when calling from Vermont Yankee Emergency Response Facilities to off-site and on-site response organizations and teams.

Required notification of off-site groups is accomplished as outlined in the Unusual Event, Alert, Site Area and General Emergency Procedures. Initial notification is the responsibility of the Plant Emergency Director, with assistance from Operations or other technically competent personnel when so requested. Responses from those off-site groups notified or on-site groups who may become involved are channeled through the Site Recovery Manager or the TSC Coordinator, the basic philosophy being to minimize outside distractions to the Plant Emergency Director so that the individual can devote full attention toward maintaining control of the plant emergency situation.

During an Alert, Site Area or a General Emergency, Communications Assistants assist the TSC and EOF Coordinators by handling all incoming and outgoing telephone, Gai-Tronics and radio messages.

ATTACHMENTS

1.	VYOPF 3504.01	Deleted
2.	VYOPF 3504.02	Plant Parameters
3.	VYOPF 3504.03	Deleted
4.	Table 1	Deleted
5.	Table 2	Deleted
6.	Table 3	Vermont Yankee Emergency Communications Capabilities
7.	Figure 1	Basic Off-Site Emergency Communications Channels
8.	Figure 2	Deleted
9.	Figure 3	Control Room - Communications Arrangement
10.	Figure 4	Technical Support Center - Communications Arrangement
11.	Figure 5	Operations Support Center - Communications Arrangement
12.	Figure 6	Emergency Operations Facility/Recovery Center - Communications Arrangement
13.	Figure 7	Determination of Vernon Off-Site Telephone Capability and Alternate Means to Utilize
14.	Figure 8	Determination of Brattleboro Off-Site Telephone Capability and Alternate Means to Utilize
15.	Figure 9	Nuclear Alert System (NAS)
16.	Figure 10	EOF UHF Backup Base Radio Configuration

17. Appendix A — Nuclear Alert Station Numbers
18. Appendix B — Off-Site Emergency Telephone Number List
19. Appendix C — Deleted
20. Appendix D — Deleted
21. Appendix E — Deleted
22. Appendix F — Deleted
23. Appendix G — Power Fail Phones

REFERENCES AND COMMITMENTS

1. Technical Specifications and Site Documents

   a. VY Emergency Plan

2. Codes, Standards, and Regulations

   a. None

3. Commitments

   a. INF97005_02

4. Supplemental References

   a. NRC IE Information Notice No. 86-97 - Emergency Communications System
   b. YA-NOG-9101, Procedure for the Operation of the Nuclear Alert System (NAS), Rev. No. 2, June 21, 1995
   c. AP 3125, Emergency Plan Classification and Action Level Scheme
   d. OP 3506, Emergency Equipment Readiness Check
   e. OP 3508, Onsite Medical Emergency Procedure
   f. OP 3510, Offsite and Site Boundary Monitoring
   g. OP 3511, Offsite Protective Action Recommendations
   h. OP 3513, Evaluation of Offsite Radiological Conditions
   i. OP 3531, Emergency Call-In Method
   j. OP 3540, Control Room Actions During an Emergency
   k. OP 3541, Activation of the Technical Support Center (TSC)
   l. OP 3542, Operation of the Technical Support Center (TSC)
   m. OP 3544, Operation of the Operations Support Center (OSC)
   n. OP 3545, Activation of the Emergency Operations Facility/Recovery Center (EOF/RC)
   o. OP 3546, Operation of the Emergency Operations Facility/Recovery Center (EOF/RC)
   p. OP 3547, Security Actions During an Emergency
   q. AP 6807, Collection, Temporary Storage and Retrieval of QA Records

PROCEDURE

A. Nuclear Alert System

1. Description

The Nuclear Alert System (NAS-"Orange Phone") which is a dedicated microwave system, is used for initial notification and as a continuing communications link to off-site agencies. See Figure 9 for an overall view of the system. Group calls to VT/NH/MA State Police or VT/NH/MA Emergency Operations Centers can be made. See Appendix A for telephone numbers.

The Nuclear Alert System orange phone is located in the following locations:

- Control Room on the table in front of the Shift Supervisor's desk, next to the NRC FTS ENS phone (see Figure 3),
- Site Recovery Manager's office in the EOF/RC (see Figure 6), and,
- State Assembly Room in EOF/RC (see Figure 6).

2. Usage Instructions

a. Refer to the Nuclear Alert System Station Numbers List, Appendix A, and key punch the desired number.

NOTE

No audible ringing is heard when making a call. The phone of the party being contacted rings until it is picked up.

B. Commercial Telephone System (AT/T Definity System)

1. Description

Vermont Yankee uses an AT/T Definity System at Vernon and Brattleboro to provide access to the commercial telephone system. This system is used as the primary means of communications among the Vermont Yankee emergency response facilities and with other off-site support agencies (see Appendix B).

The locations, extension numbers, and features of the telephones for the Control Room, TSC, OSC, and EOF/RC are presented in Figures 3 through 6, respectively. As noted in Figures 3 through 6, some extensions have the optional feature of being directly accessed from off-site, without going through the switchboard, by dialing 258 plus the extension.

The Vermont Yankee phone system uses a combination of local, long distance and other commercial lines to ensure diverse communication capabilities.

2. Power Fail Telephones

NOTE

Local off-site commercial telephone capability must exist to use Power Fail Phones.

In the event that power is lost to either the Vernon or Brattleboro Definity System Phone Systems, or the systems fail for any reason, there are designated wall and desk telephones (black housing, gray faceplate (desk-type only), and a red handset) in either location to allow off-site commercial telephone capability. See Appendix G for locations and assigned telephone numbers. During a power fail condition or a Definity System failure, these phones are used in a manner similar to off-site commercial phones (i.e., dialing a "9" before the telephone number being called is not necessary). These phones are useable (in a manner similar to non-power fail phones) during non-power fail conditions, and will automatically become operational when a power fail condition is detected by the system.

3. Off-hours Answering

Security at Gate 2 answers outside calls when the switchboard operator is not covering the switchboard.

4. Paging Instructions

a. Vernon

The primary paging capability exists within the Gai-Tronics System. A paging capability (through the Gai-Tronics System) does exist within the AT/T Definity System at Vernon.

b. Brattleboro

The following dialing instructions are used to page the designated areas:

1) All Buildings/All Floors

Dial 78 (pause) + 0

2) EOF/RC

Dial 78 (pause) + 1

3) Training Building (2nd Floor)

Dial 78 (pause) + 2

4) Brattleboro Office Building/All Floors

Dial 78 (pause) + 3

C. Utility Microwave

1. Description

Vermont Yankee is linked into National Grid's Shared-Microwave Network. This system provides a dedicated telephone link via microwave channel.

2. Usage Instructions

a. Find the extension number you want to call in the appropriate telephone directory.

b. On an AT/T Definity System phone (Vernon or Brattleboro), dial the appropriate microwave access code and extension number. Refer to Appendix B for the listing of microwave access codes.

3. Dedicated Microwaves

These lines appear in the Control Room and are operated as follows:

a. On one of the two 6-button keysets in the Control Room, push the button labeled ISO or VELCO.

b. Pick up the phone and press any digit key. It will ring automatically at selected location (ISO or VELCO).

D. Utility Radio

1. Description

If the Utility Microwave (see Section C) is out of service, the Utility Radio (which is mounted at the base of the old 150-ft. meteorological tower) can be used to contact REMVEC and VELCO in an emergency. The handset and control for the radio are in the Control Room with an auxiliary handset at the radio.

2. Usage Instructions

NOTE

There is no need to use the call letters again during the conversation until you sign off.

Pick up the handset, located in the Control Room under the computer console, and call REMVEC in the following manner:

"This is Vermont Yankee (WDF 89) calling Westboro (WDF 83). Over."

E. Special NRC Phones (FTS)

1. Description

VY and the NRC utilize the Federal Telecommunications System (FTS) which provides a separate government network for all of the essential communication functions, and avoids the potential Public Switch Network (PSN) blockage which could occur during an emergency.

The following NRC Essential Emergency Communication Functions are handled by the FTS service:

Emergency Notification System (ENS): Facilitates VY's notification of an off-normal incident affecting the plant, and provides information concerning the operation and status of the plant to the NRC Operations Center.

Health Physics Network (HPN): Provides the NRC Operations Center with health physics and environmental information in the event of an emergency.

Reactor Safety Counterpart Link (RSCL): The channel by which NRC reactor safety personnel at Vermont Yankee support the NRC Operations Center, without interfering with the exchange of information between VY and NRC.

Protective Measures Counterpart Link (PMCL): The channel by which NRC protective measures personnel at Vermont Yankee support the NRC Operations Center, without interfering with the exchange of information between VY and NRC.

Management Counterpart Link (MCL): The channel which provides the means for any internal discussions between the NRC Executive Team Director (or Executive Team members) at Vermont Yankee and top level VY management (or the NRC Director of Site Operations).

Local Area Network (LAN) Access: The channel by which NRC personnel at Vermont Yankee access any of the products or services (i.e., technical projections, press releases, status reports, E-mail, and various computerized analytical tools) provided on the NRC Operations Center's local area network.

Emergency Response Data System (ERDS): The channel over which raw reactor parametric data are transmitted from plant.

Any of the aforementioned channels can be accessed by dialing a specific 10-digit number.

The locations of the phones associated with the aforementioned channels and their assigned 10-digit numbers, are shown in Figures 3, 4, and 6.

2. Usage Instructions - FTS ENS & HPN Phones

   a. Lift the receiver on the telephone and listen for a dial tone.

   b. After receiving a dial tone, dial the first number listed below, using all 11 digits. If the first number is busy, use the second, etc.

      1-301-816-[redacted]
      1-301-951-[redacted]
      1-301-415-[redacted]

3. Failure of FTS ENS or FTS HPN Phones

   Following are steps to be used in the event of a failure of FTS ENS or HPN Phones:

   a. Use the commercial telephone system and call one of the following numbers in the order listed:

      1-301-816-[redacted]
      1-301-951-[redacted]
      1-301-415-[redacted]

   b. Upon reaching the NRC, remember to inform them of the problem with the FTS ENS or HPN phones.

4. Failure of All FTS Phones and Commercial Telephone System

In the event that all the FTS Phones and the commercial telephone system have failed, the Utility Microwave Network (See Section C) can be used (if operable) to contact the NRC Operations Center (301-816-5100) through ISO - New England.

NOTE

If an NRC classified emergency notification (above an Unusual Event) is being initiated, the NRC will most likely request a continuous open line with Vermont Yankee. The ISO - New England link should be utilized for this purpose.

a. ISO - New England Link

NOTE

This link may be established with VELCO via the dedicated microwave line from the Control Room if ISO - New England is not available.

1) Contact ISO - New England via the dedicated microwave line from the Control Room.

2) Advise them of the telephone failures, and that they will be utilized to establish a link between the NRC Operations Center and the Vermont Yankee Control Room, utilizing their conference call mode.

3) Request ISO - New England to call the NRC Operations Center in Rockville, MD (1-301-816-5100), and advise the NRC that VY is utilizing ISO - New England to establish a communications link between the Vermont Yankee Control Room and the NRC Operations Center because of degraded communications capability at VY.

4) After making the appropriate notification to the NRC, inform the NRC that to contact the Vermont Yankee Control Room, the NRC must first contact the ISO - New England Control Room at 413-535-[redacted], who will then establish a link between the VY Control Room and the NRC via their conference mode.

F. Mobile UHF Radio System

1. Description

This system is utilized by all emergency teams and consists of a 100 watt repeater with its high gain antenna mounted on top of the old 150-foot meteorological tower and a 100 watt repeater with its high gain antenna mounted on top of the 330 foot meteorological tower. These repeaters are actuated by six base radio stations located in the following:

- Control Room,
- Gate 1,
- Gate 2,
- Secondary Alarm Station,
- TSC Computer Users Room, and
- EOF/RC.

Five Mobile two-way radio sets are available at Gatehouse 2 for use by off-site monitoring teams.

These radios provide improved range and performance over the portable radios.

Portable radios are available at Gate 2.

2. Frequency Settings

The portable units actuate one repeater on the F1 position of the frequency switch and the other repeater on the F3 position of the frequency switch.

NOTE

All emergency teams utilize the F3 position of the frequency switch.

In the event that the F3 channel fails, switch to the F1 position of the frequency switch. If both F1 and F3 channels fail, use the F2 channel. This channel provides a "talk around" (the repeaters) and allows continued communications between portable radios at 4 watt output.

The call signs for the three frequencies are as follows:

F1 - KZX 728,
F2 - KZX 728, and
F3 - WRZ 941.

NOTE

In the event that messages of a routine nature are occupying the radio channel and it is necessary to transmit an urgent message, depress the microphone button and announce "Break, Break, Break - Urgent Message". When the channel is cleared of traffic, proceed with the urgent message.

3. Unit Designations

Unit designations used during conversation are as follows:

Control Room	Control Room
Emergency Operations Facility/ Recovery Center	EOF
Technical Support Center	TSC
Security - Gate 1	Gate 1
Security - Gate 2	Gate 2
Security - Secondary Alarm Station	SAS
On-Site Assistance 1, 2, etc.	On-Site Assistance 1, 2,etc.
Site Boundary	Site Boundary Team
Green Team	Green Team
Blue Team	Blue Team
Black Team	Black Team

4. Usage Instructions

a. EOF UHF Base Radio Station

1) The primary EOF base station is a self-contained unit.

NOTE

There is a backup EOF base radio station system stored with the primary system. Its configuration is depicted in Figure 10.

2) Plug the antenna cable (running from the "RF OUT" port of the RF Power Amplifier) into the antenna wall jack (#77).

3) Plug power cords from the power supply unit into nearest available outlets.

4) Ensure that the base radio station and power supply unit are on.

5) Depress microphone switch, marked with a lightning bolt, when transmitting; release for receiving.

NOTE

If a drill, state "This is a drill".

6) Initiate call by saying "This is (unit calling) to (unit called). Over."

7) When acknowledged, carry out conversation.

8) The party completing the conversation should end with "This is (unit designation). Clear."

b. TSC Base Radio Station

1) Ensure both base radio station and power supply are on.

2) Rotate the radio squelch control to the maximum counterclockwise position and set the radio volume control to a comfortable listening level.

3) Place squelch control into PL mode.

4) Depress microphone switch when transmitting; release for receiving.

NOTE

If a drill, state "This is a drill".

5) Initiate call by saying "This is (unit calling) to (unit called). Over".

6) When acknowledged, carry out conversation.

7) The party completing the conversation should end with "This is (unit designation). Clear."

c. Portable Radios

NOTE

Portable radios are not to be used in the following areas:

- Behind the Control Room panels (use of radios in the front panel area is acceptable),
- In the vicinity of the electronic pressure regulator panel near the head of the stairs to the feed pump room,
- Analog trip cabinets located in the Reactor Building at elevation 232 ft, Northwest corner (use of radios at elevation 213 ft - RCIC room or at elevation 252 ft, Northwest corner is acceptable),
- In the vicinity of the recirc flow transmitters in the Southeast corner room, RHR B at elevation 232 ft of the Reactor Building,
- Analog trip cabinets located at racks 25-5 and 25-6 in the Reactor Building, elevation 280 ft, East side and,
- The Switchgear Ante Room (area in between the west single access switchgear room door and hallway door, in the vicinity of the switchgear room fire panels).
- In the vicinity of #27 off-gas rack; elevation 252 ft. of the Turbine Building in the area between the Diesel Day Tank Room and MCC10B.
- In the vicinity of the main steam line radiation monitor lines; elevation 272.5 ft. of the Turbine Building in the HVAC Room.

1) Rotate the volume control one-half turn clockwise to turn radio ON.

2) Place the squelch switch in its OFF position.

3) Rotate the radio squelch control to the maximum counterclockwise position and set radio volume control to a comfortable listening level.

4) Place squelch control into PL mode.

5) Set the frequency select switch to the desired channel for monitoring.

6) Place the squelch switch in the ON position after monitoring.

7) To transmit, depress the push to talk switch and speak normally with mouth about 6 inches from the grille.

d. Vehicle Communications Radio

NOTE

The vehicle ignition switch must be on to permit the radio to transmit or receive, and for the battery charging circuitry to operate.

1) Plug the radio into the vehicle cigarette lighter, or other power point.

2) Rotate the radio volume control one-half turn clockwise to turn the radio ON. This also turns on the night light which illuminates the radio controls. The night light is also turned on when the ignition switch is turned on.

3) Rotate the squelch control to the maximum counterclockwise position and set volume of console volume control to a comfortable listening level.

4) Place squelch control into the PL mode.

5) Set the frequency selector switch to the desired channel for monitoring (F1 - back-up, F2 - talkaround, and F3 - emergency response and security).

NOTE

The red transmitter indicator glows when the transmitter is on the air.

6) To transmit, ensure the ignition switch is on. Depress the push to talk switch (on the microphone) and speak normally with mouth about two inches from the grille of the microphone.

G. Three-Part Message and Reply Form

1. Description

Messages and replies which are sent among emergency response personnel at the emergency response facilities are documented on three-part message and reply forms (per instructions on form). If using this type of form, the following steps should be followed:

a. Outgoing messages and replies should be documented with a date and time.

b. If a reply is requested, the appropriate part of the form should be retained as a "tickler" to ensure a reply is made within a timely manner.

c. "Urgent" messages should be so designated in the upper left corner under "To".

H. Plant Parameter Form

1. Description

A current display of data specified on VYOPF 3504.02 can be obtained through ERFIS by performing the following steps:

a. Depress the "Group Pt Display" key.

b. Tab down the list to "TSC/EOF" by using the field key.

c. Depress "enter" key to access form.

If ERFIS is not operational, the TSC Coordinator or designee obtains and records specified information on VYOPF 3504.02, and communicates plant parameter data to the EOF/RC and ESC via the facsimile machines (see Section I).

I. Facsimile

1. Description

The facsimile machines provide the capability to transmit and receive documents. The facsimile machines can automatically answer an incoming call, print out the received copies and return the unit to standby. No operator assistance is required.

Facsimile machine locations for the TSC, OSC, and EOF/RC are shown in Figures 4, 5, and 6, respectively.

J. Dedicated Gai-Tronics

1. Description

At the plant during an Unusual Event, Alert, Site Area, or General Emergency, Channel 4 of Gai-Tronics is reserved for use by the following three parties:

- Control Room,

- Technical Support Center, and

- Operations Support Center.

K. Personnel Paging System

1. Description

Vermont Yankee has the capability of paging Vermont Yankee personnel outside of the VERNON/BRATTLEBORO paging systems.

2. Usage Instructions

a. Initiate Group Call

The Security Shift Supervisor initiates Group Calls per OP 3531.

b. Initiate Single Person Call - Numeric Message

1) Dial Individual Pager number.

2) Leave a message.

3) Hang up.

L. Tri-State and Southwest Mutual Fire Assistance Radio

1. Description

Located in the Control Room, this radio is utilized if all off-site channels of communications fail. Tri-State is based in Greenfield, MA and Southwest is based in Keene, NH.

2. Usage Instructions

a. On the Plectron control unit, depress microphone switch and establish radio contact as follows:

"KCE 579 and KCE 358, this is KCP 596, Remote 2. Over."

b. Give message and make sure message is properly acknowledged.

NOTE

Security also has the capability to contact via radio the Windham County Sheriff Dispatcher and any State Police vehicle in proximity to the plant. [INF97005_02]

M. General Electric Company - BWR Emergency Support Program

1. Description

General Electric has established an emergency support program that utilizes the full resources of the service engineering organization in San Jose and the field personnel in the local districts to support utilities during major plant emergencies.

General Electric provides dedicated telephone communications coverage 24 hours a day. The contact telephone number is monitored continuously by the Security Operations Center at GE Nuclear Energy, San Jose, CA. The dispatcher will contact a GE Emergency Support Program Duty Manager who will then call Vermont Yankee back at the number provided by Vermont Yankee to the dispatcher.

NOTE

Upon initial contact with the GE Duty Manager, the scope of assistance and associated logistics will be discussed and determined at that time.

2. Usage Instructions

a. Dial telephone number listed in Appendix B under "GE Emergency Support Assistance".

b. State your name.

c. State BWR plant name.

d. Request that you would like to speak to the GE Emergency Support Program Duty Manager.

e. Provide telephone number at which you can be reached.

N. Primary and Alternate Auto Ring Down (PARD & AARD) Telephone Circuits

1. Description

The Primary Auto Ring Down (PARD) circuit and the Alternate Auto Ring Down (AARD) circuit are dedicated telephone circuits that connect the EOF/RC with the Main Control Room (MCR), TSC, OSC, and Simulator Control Room (SCR) for simultaneous communications. The telephone circuits are only accessible by telephones on their respective circuits.

The PARD goes through the AT&T Definity System both in Vernon and Brattleboro. The AARD does not. Consequently, if the Definity System is not functional (at either location), the PARD is not functional.

The AT&T Definity System enhances the transmission quality between Vernon and Brattleboro when more than one phone is off hook at one location.

2. Establishing the Primary Auto Ring Down Telephone Circuit

NOTE

If the AT&T Definity System is not functional (at either Vernon or Brattleboro), the PARD is not functional.

a. The TSC must first establish the circuit by picking up the receiver on the Primary Ring Down phone and dialing or pushing the button for the location being called.

b. Inform the person called that the TSC is establishing the Ring Down phone, so please stand by.

c. Push the conference button once.

d. Dial or push the button for the next location to be connected. Inform the person called that the TSC is establishing the Ring Down phone, so please stand by.

e. Push the conference button twice.

f. Repeat Steps 2.d and 2.e until all locations have been called.

g. After connection to the last location is established, push the conference button once and all parties will be on the line.

NOTE

For the locations using a speaker box and are monitoring (not transmitting) conversations at the other facilities, ensure that the microphone switch light is not lit (mute button is depressed).

h. If any PARD phone hangs up, the TSC can re-establish communications without all other PARD phones hanging up.

3. Establishing the Alternate Auto Ring Down Telephone Circuit

NOTE

Initiation from Brattleboro is preferred; however, either location (Brattleboro or Vernon) can initiate the AARD.

a. Brattleboro or Vernon can establish the AARD circuit by picking up the receiver from the black phone without the rotary dial labeled ALTERNATE RING DOWN (or pressing the on/off button on the speakerphone),

NOTE

The AARD phones in the location which initiates the call do not ring. All the AARD phones in the location being contacted ring until one of the phones in this location is picked up or the on/off button on the speaker is depressed.

b. The AARD phone which picks up first at the contacted location should inform the other AARD phones at that location by alternate telephone extensions that they should pick up the AARD phone.

c. The AARD phone in the location which initiated the call should inform the AARD phones at that location by alternate telephone extensions that they should pick up the AARD phone.

d. Any AARD phone can hang up and re-establish communications without all other AARD phones hanging up.

NOTE

If all the AARD phones at the same location hang up, then the AARD circuit is broken and must be re-established by beginning with the first step.

e. To activate the mute button on the speaker, depress the mute button and the red light comes on. Your voice is not transmitted, but the voices from the other AARD phones are still heard.

O. Off-Site Telephone Capability Determination

If there are indications that off-site telephone capability is lost, refer to Figure 7 (for Vernon) or Figure 8 (for Brattleboro) as an aid to quickly assess whether off-site telephone capability is lost, and if so, what alternate means could be used.

FINAL CONDITIONS

1. Retain records per AP 6807.

PLANT PARAMETERS

UNUSUAL EVENT_____(time) ALERT_____(time) SITE AREA_____(time) GENERAL_____(time)
Date_____

	INFO Current at:	TIME					
PTID	REACTOR PARAMETER						
C203	Power (%) CRP 9-5						
C201	Level (in) CRP 9-5						
C202	Pressure (psig) CRP 9-5						
	LEVEL CONTROLLED BY:						
	FW, CS, HPCI, LPCI or RCIC						
	REACTIVITY CONTROL						
	Rods - ARI or SLC						
	CONTAINMENT PARAMETER						
C204	Drywell - Pressure (psig) CRP 9-25						
C211	Drywell/Torus Hydrogen Concen. (%)						
C212	Drywell/Torus Oxygen Concen. (%)						
M092 93	Drywell - Air Temperature (Deg. F) TI16-19-30B TR16-19-45(30A) CRP 9-25						
C207	Torus - Water Temperature (Deg. F) TI16-19-33A & C CRP 9-3						
	SIGNIFICANT PARAMETERS						

Distribution: - Within TSC: TSC Coord., OSC Coord., Ad Hoc Engineering Group, NRC Main Office Fax, Rad Protection Mgr., Status Bd. Keeper
- TSC Coordinator to EOF Communications Ass't. and ESC
- EOF Communications Ass't. to EOF Coordinator, SRM, EOF Rad. Ass't., and Media Advisor
- SRM to NRC, VT/NH/MA, and NMC

PLANT PARAMETERS (Continued)

Date_____

INFO Current at:		TIME					
PTID	RAD. PARAMETERS						
M001 U013	Stack Gas Monitor I/II (cpm) CRP 9-2						
U014	Stack High Range Monitor (mR/hr) CRP 9-2						
	Containment Air Mon. Gas/Particulate (cpm) CRP 9-2						
M124 M125	Drywell High Range Rad. Monitor Channel A/B (R/hr) CRP 9-2						
	Rx Bldg Vent Mon. Gas/Particulate (cpm) CRP 9-2						
M126 M127	Rx Bldg Vent Exhaust Rad Channel A/B (mR/hr) CRP 9-2						
M120- M123	Main Steam Line Monitor (mR/hr) CRP 9-10						
M002	Off Gas CH-A & B Rad Monitor (mR/hr) CRP 9-10						
M043	Torus Catwalk (mR/hr) CRP 9-11						
M000	252 Foot Elevator Entrance (mR/hr) CRP 9-11						
52	252 Foot Railroad Airlock Access (mR/hr) CRP 9-11						
M053	Tip Room High Range Mon. (mR/hr) CRP 9-11						
M051	Elevator Entrance - 280 Foot (mR/hr) CRP 9-11						
M060	Control Rod Drive Repair Room (mR/hr) CRP 9-11						
M067	Elevator Entrance - 303 Foot (mR/hr) CRP 9-11						
M068	Elevator Entrance - 318 Foot (mR/hr) CRP 9-11						
M078	Elevator Entrance 345 Foot (mR/hr) CRP 9-11						

Distribution: - Within TSC: TSC Coord., OSC Coord., Ad Hoc Engineering Group, NRC Main Office Fax, Rad Protection Mgr., Status Bd. Keeper
- TSC Coordinator to EOF Communications Ass't. and ESC
- EOF Communications Ass't. to EOF Coordinator, SRM, EOF Rad. Ass't., and Media Advisor
- SRM to NRC, VT/NH/MA, and NMC

TABLE 3

VERMONT YANKEE EMERGENCY COMMUNICATIONS CAPABILITIES
(Emergency Plan Table 7.1)

	CALLING FROM				
CALLING TO	CR	TSC	OSC	EOF	NMC
Technical Support Center	1,4,5,7	-	-	-	-
Operations Support Center (OSC)	1,7	1,7	-	-	-
Emergency Operations Facility (EOF)	1,2,4	1,4,10	1	-	-
News Media Center (NMC)	1	1,10	1	1,10	-
Offsite and Site Boundary Monitors	1,4	1,4	1	1,4	1
Nuclear Regulatory Commission	1,5	1,5,6	1	1,5,6	1
State Police Dispatch (VT, NH, MA)	1,2	1	1	1,2	1
State EOCs (VT, NH, MA)	1,2,9	1	1	1,2,9,10	1
Vermont Yankee Plant Security	1,4,7	1,4,7	1,7	1,4,7	1
Vermont Yankee Emergency Response Personnel	1,8	1,8	1,8	1,8	1,8

KEY

1 -	Commercial Telephone System	(See Section B)
2 -	Nuclear Alert System	(See Section A)
3 -	Utility Microwave	(See Section C)
4 -	Utility Radio	(See Section D)
5 -	Emergency Notification System	(See Section E)
6 -	Health Physics Network	(See Section E)
7 -	Plant Intercom System	(See Section J)
8 -	Personnel Pager System	(See Section K)
9 -	Tri-State/Southwest Fire Radio	(See Section L)
10 -	Facsimile Transmission	(See Section I)

APPENDIX A
NUCLEAR ALERT STATION NUMBERS

STATION	INDIVIDUAL NUMBERS
CONTROL ROOMS	
Yankee Rowe	121
Vermont Yankee	123
Seabrook Station (Unit 1)	125
STATE POLICE	
Massachusetts State Police - Troop B - Northampton	210
New Hampshire State Police - Concord	212
Vermont State Police - Waterbury	213
EMERGENCY OPERATING CENTERS (State)	
Belchertown, MA	312
Framingham, MA	313
Tewksbury, MA	318
Dummerston, VT	316
Waterbury, VT	314
Brentwood, NH	317
Concord, NH	311
Keene, NH	315
EMERGENCY OPERATION FACILITIES (Plant)	
Vermont Yankee (States Area)	411
Vermont Yankee (Recovery Manager)	511
Seabrook Station (NH Area)	413
Seabrook Station (MA Area)	414
Seabrook Station (Response Manager)	513
MISCELLANEOUS	
Engineering Support Center (Marlborough)	124
Secondary Alarm Station (Yankee Rowe)	126
National Grid Mux Room	612
Simulator Room (Vermont Yankee)	613

VERMONT YANKEE GROUP CALLS

STATION	GROUP NUMBERS
Station Police (MA) (Troop "B") (Northampton)	111
State Police (NH) (Concord)	111
State Police (VT) (Waterbury)	111
Emergency Operations Center (Massachusetts)	333
Emergency Operations Center (New Hampshire)	333
Emergency Operations Center (Vermont)	333

APPENDIX B

OFF-SITE EMERGENCY TELEPHONE NUMBER LIST
(In Alphabetical Order)

	TELEPHONE NUMBER
American Nuclear Insurers (ANI)	860-561-3433
AT&T (NOAA radio phone lines to Ames Hill)	800-413-5410 (prompt 4)
Brattleboro Memorial Hospital Emergency Room (Ref. OP 3508)	802-257-8222
CAN - Operations Manager (ref. OP 3531) to verify operator and callback #'s	800-992-2331 800-552-4226 or 877-786-8478 800-739-9023 (in-dial) 800-794-5826 (in-dial) 518-862-0987 (Admin.)
Central Vermont Communications (Ref. OP 3531)	800-696-6474 802-775-8400 (pager)
Consultation:	
Dave E. Drum, MD, Radiation Safety Officer (Ref. OP 3508)	617-732-5656 Page 11161 781-235-7640 (home) 617-323-7700 5939 Voice Mail
Department of Energy (DOE) Radiological Assistance, Brookhaven Lab	631-344-2200
Duke Engineering & Services, Marlborough, MA (Main Switchboard) (Ref. OP 3504, OP 3510, OP 3531)	508-229-2100
DE&S Pagers (Ref. OP 3531)	800-366-2337
Franklin Medical Center (Ref. OP 3508)	413-772-0211
GE Emergency Support Assistance	408-971-1038
INPO Main Switchboard Emergency Network Telephone	 770-644-8000 800-321-0614
ISO - New England (Ref. OP 3504, OP 3506)	413-535-4384
Keene Dispatch (Ref. OP 3506)	603-352-1100 (Primary) 603-352-1291 (Backup)
Maine Yankee - Wiscasset (Ref. OP 3504)	207-882-6321
Massachusetts Emergency Management Agency - (State EOC) (Ref. OP 3504, OP 3506, OP 3540, OP 3546)	508-820-2000
Massachusetts State Police - Troop B, Northampton (Ref. OP 3504, OP 3540, OP 3542, OP 3546)	413-586-3166
National Weather Service, Albany, NY (Ref. OP 3504, OP 3513, OP 3540)	800-833-9880 (Primary) 518-435-9574 (Backup)
National Grid - Westboro (Ref. OP 3504) MUX Room (Ref. OP 3506)	508-389-2000 508-389-2104
New Hampshire Office of Emergency Management - (State EOC) (Ref. OP 3504, OP 3506, OP 3540, OP 3546)	603-271-2231
New Hampshire State Police (Ref. OP 3504, OP 3540, OP 3542)	603-271-3636

	TELEPHONE NUMBER
orth Atlantic Energy Services ompany - Seabrook (Ref. OP 3504)	603-474-9521
New York State Emergency Management Coordination Ctr. (Ref. OP 3506)	518-457-2200 518-457-6811 (Backup)
NRC Operations Center (24 hours), Rockville, MD (Ref. OP 3504, OP 3506, OP 3540)	301-816-5100 301-951-0550 (Backup) 301-415-0550 (Backup) 301-816-5151 (Fax)
NRC, Region I	610-337-5000
Public Service of New Hampshire - Manchester (Ref. OP 3504)	603-669-4000
Radiation Overexposure Treatment Assistance (Ref. OP 3508)	
Aaron B. Brill, MD U Mass Medical Center or Vanderbilt (NIAT Physician)	615-662-[redacted] (home) 615-343-[redacted] (work) 615-322-[redacted] (work)
Mr. Robert Hallisey (MDPH)	617-727-[redacted] (work) 781-729-[redacted] (home)
Mr. Robert Watkins (MDPH)	617-727-[redacted] (work) 508-832-[redacted] (home)
Mr. Thomas Matthews (MDPH)	617-727-[redacted] (work) 781-396-[redacted] (home)
Rescue Inc. (Ref. OP 3508)	802-254-2010 or 911
helburne Dispatch (Ref. OP 3506)	413-625-8200
Southwest Mutual Fire Aid	603-352-1100 or 603-352-1291
Tri-State Mutual Fire Aid	413-625-8200
National Weather Service (Burlington, VT) Forecasts	802-862-9883
VELCO Dispatcher (Rutland Office notification)	802-773-9161 (Switchboard) 802-770-6261 (Dispatch)
Vermont Department of Health	802-865-7730
Vermont Emergency Management Agency - (State EOC) (Ref. OP 3504, OP 3506, OP 3540, OP 3546)	802-244-8721 800-347-0488
Vermont State Police (Ref. OP 3504, OP 3540, OP 3542, OP 3546)	802-244-8727
VY Physician (Ref. OP 3508)	
George Idelkope, MD	603-336-[redacted] (Work) 603-363-[redacted] (Home)
Vernon Hydro (Wilder Station) (Ref. OP 3547)	802-291-8000
Yankee Rowe (Ref. OP 3504)	413-424-5261

APPENDIX G

POWER FAIL PHONES

VERNON

Location	Current Extension	Assigned Telephone No.
Main Office	5201	257-7711 **
	5202	257-7712 **
	5203	257-7713 **
Plant Manager's Office	5200	257-[redacted]
Operation's Supt's Office	5204	257-[redacted]
Control Room	5205	257-[redacted]
	5206	257-5020
	5207	257-5021
TSC Communications Room	5208	257-5017
	5209	257-5018
Security - Gate 2	5201	257-7711 **
	5202	257-7712 **
	5203	257-7713 **

** If power fail condition occurs during normal work hours, the switchboard will handle incoming calls; if power fail condition occurs outside of normal work hours, Security personnel at Gate 2 will initially handle incoming calls.

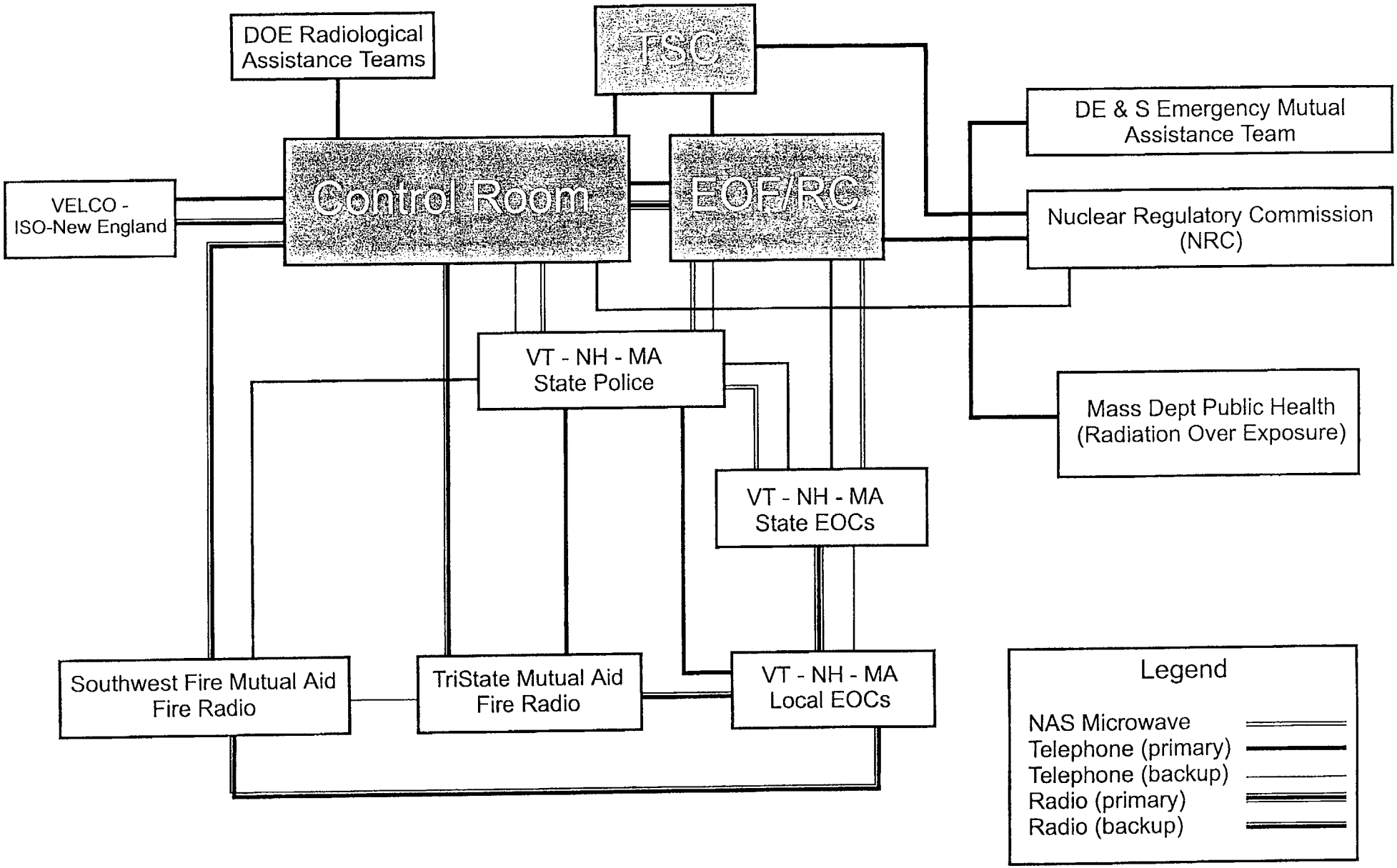
BRATTLEBORO

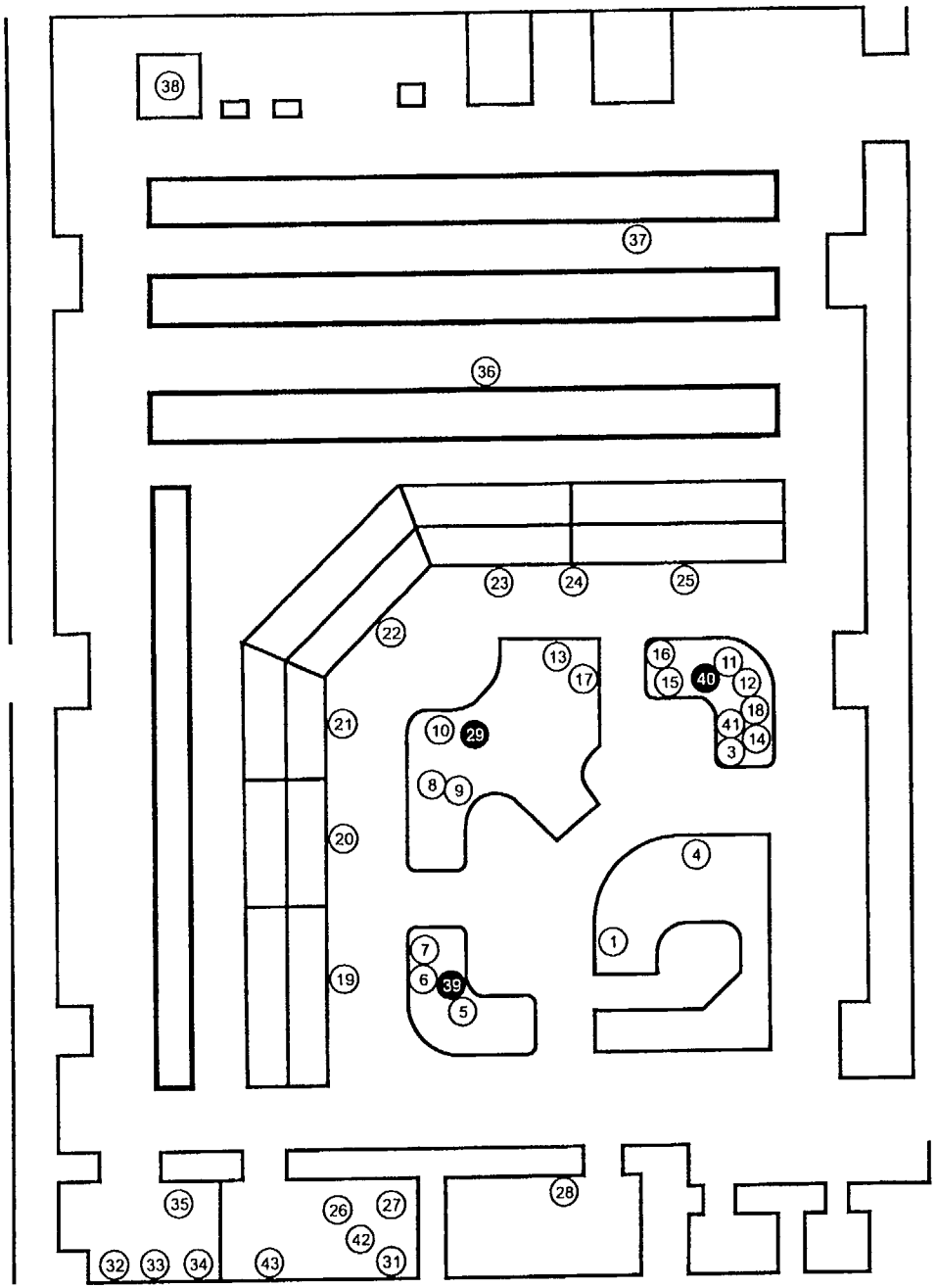
Location	Current Extension	Assigned Telephone No.
Training Bldg. Lobby	4875	257-5271
	4876	257-5272
	4877	257-5273
Site Recovery Manager's Office	4862	257-[redacted]
EOF Coordinator's Office	4253	257-[redacted]
Recovery Planning Area Rm 126	4853	257-5276
President's Office	***	254-[redacted]
E-Plan Supervisor's Office	***	257-5470

*** The Assigned Telephone Number can be used during non-power fail conditions.

NOTE: If during power fail condition, a call is made to 257-5271 and 257-5271 is busy, call will bounce to 257-5272. If 257-5272 is busy, call will bounce to 257-5273. (Call can bounce up to 257-5276.)

Figure 1
Basic Off-Site Emergency Communications Channels



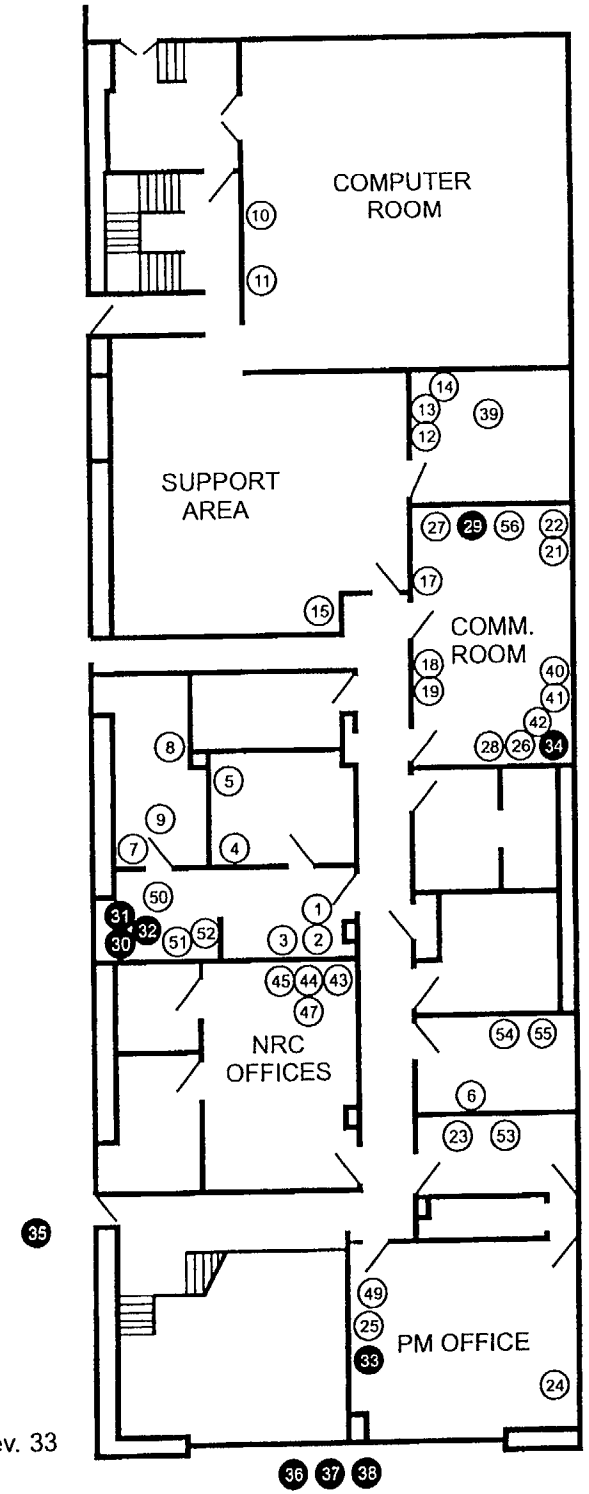


CONTROL ROOM - COMMUNICATIONS ARRANGEMENT

NO.	TELECOMMUNICATIONS DESCRIPTION	EXTENSION
1	MULT. LINE EXT. TELEPHONE/SPKR PHONE	5101
2	(Deleted)	
3	NAS ORANGE PHONE (CH. 123)	------
4	GAI-TRONICS	------
5	EXTENSION TELEPHONE	5438 •
6	MICROWV. TEL. (VELCO/VERNON/NFLD/ISO)	------
7	GAI-TRONICS	------
8	MULT. LINE EXT. TELEPHONE/SPKR PHONE	5100
9	GAI-TRONICS	------
10	EXTENSION TELEPHONE	5439 •
11	UHF RADIO SYSTEM	------
12	UTILITY COMMAND 3760 RADIO (REMVEC)	------
13	GAI-TRONICS	------
14	GAI-TRONICS	
15	MULT. LINE EXT. TELEPHONE/SPKR PHONE	5102* (5016)
16	ALT. AUTO RINGDOWN (EOF TO TSC/CR/OSC)	------
17	MICROWV. TEL. (VELCO/VERNON/NFLD/ISO)	------
18	TRI-STATE MUTUAL AID RADIO	------
19	GAI-TRONICS	------
20	GAI-TRONICS	------
21	GAI-TRONICS	------
22	GAI-TRONICS	------
23	GAI-TRONICS	------
24	GAI-TRONICS	------
25	GAI-TRONICS	
26	EXT. TELEPHONE/SPKR PHONE	5122
27	PHONE TO SIMULATOR (HOT LINE)	5124
28	(Deleted)	------
29	EXTENSION TELEPHONE	5205
30	(Deleted)	
31	GAI-TRONICS	------
32	MULT. LINE EXT. TELEPHONE (SECURITY)	5783 •
33	UHF RADIO SYSTEM	------
34	JOHNSON RADIO (LOCAL POLICE/SHERIFF)	------
35	GAI-TRONICS	------
36	GAI-TRONICS	------
37	GAI-TRONICS	------
38	EXTENSION TELEPHONE (SECURITY)	5125
39	EXTENSION TELEPHONE	5206
40	EXTENSION TELEPHONE	5207
41	VY-USE ENS PHONE (FTS)	700-661-4323
42	EXTENSION TELEPHONE	5103
43	FAX MACHINE	5400

▨ - POWER FAIL PHONE
• - OPTIONAL DIRECT OFF-SITE ACCESS USING 258-XXXX
* SET INCLUDES PRIMARY AUTO RINGDOWN

TECHNICAL SUPPORT CENTER - COMMUNICATIONS ARRANGEMENT



NO.	TELECOMMUNICATIONS DESCRIPTION	EXTENSION
1	SWITCHBOARD	"0"
2	GAI-TRONICS	------
3	EXTENSION TELEPHONE	5541 •
4	EXTENSION TELEPHONE	5145
5	GAI-TRONICS	------
6	EXTENSION TELEPHONE & FAX MACHINE	5440 •
7	EXTENSION TELEPHONE	5550 •
8	EXTENSION TELEPHONE	5540 •
9	GAI-TRONICS	------
10	EXTENSION TELEPHONE	5511
11	GAI-TRONICS	------
12	GAI-TRONICS	------
13	EXTENSION TELEPHONE	5425
14	EXTENSION TELEPHONE	5423
15	UHF RADIO SYSTEM	------
16	(Deleted)	
17	GAI-TRONICS	------
18	MULT. LINE EXT. TELEPHONE/SPKR PHONE	5531 •
19	GAI-TRONICS	------
20	(Deleted)	
21	ALT. AUTO RINGDOWN (EOF TO TSC/CR/OSC)	------
22	MULT. LINE EXT. TELEPHONE/SPKR PHONE	5014*
23	MULTIPLE LINE EXTENSION TELEPHONE	5403 •
24	MULT. LINE EXT. TELEPHONE/SPKR PHONE	5424 •
25	GAI-TRONICS	------
26	EXTENSION TELEPHONE	5212
27	EXTENSION TELEPHONE	5214
28	EXTENSION TELEPHONE	5211
29	EXTENSION TELEPHONE	5209
30	EXTENSION TELEPHONE	5201
31	EXTENSION TELEPHONE	5202
32	EXTENSION TELEPHONE	5203
33	EXTENSION TELEPHONE	5200
34	EXTENSION TELEPHONE	5208
35	EXTENSION TELEPHONE (OPS. SUPT'S OFFICE)	5204
36	EXTENSION TELEPHONE (GATE 2)	5201
37	EXTENSION TELEPHONE (GATE 2)	5202
38	EXTENSION TELEPHONE (GATE 2)	5203
39	VY-USE NRC HPN PHONE (FTS)	700-661-4319
40	NRC HPN PHONE (FTS)	700-661-4319
41	VY-USE NRC ENS PHONE (FTS)	700-661-4323
42	NRC PROTECTIVE MEASURES CNTRPRT LINK (FTS)	700-661-4321
43	NRC PROTECTIVE MEASURES CNTRPRT LINK (FTS)	700-661-4321
44	NRC ENS PHONE (FTS)	700-661-4323
45	NRC HPN PHONE (FTS)	700-661-4319
46	(Deleted)	
47	NRC REACTOR SAFETY CNTERPRT LINK (FTS)	700-661-4324
48	(Deleted)	
49	EXTENSION TELEPHONE	5850 •
50	EXTENSION TELEPHONE	5492 •
51	EXTENSION TELEPHONE	5896 •
52	EXTENSION TELEPHONE	5877 •
53	FAX MACHINE	5544
54	FAX MACHINE	5995
55	EXTENSION TELEPHONE	5157
56	CORDLESS PHONE	5017

⊡ - POWER FAIL PHONE
• - OPTIONAL DIRECT OFF-SITE ACCESS USING 258-XXXX
* SET INCLUDES PRIMARY AUTO RINGDOWN

Figure 4
OP 3504 Rev. 33
Page 1 of 1

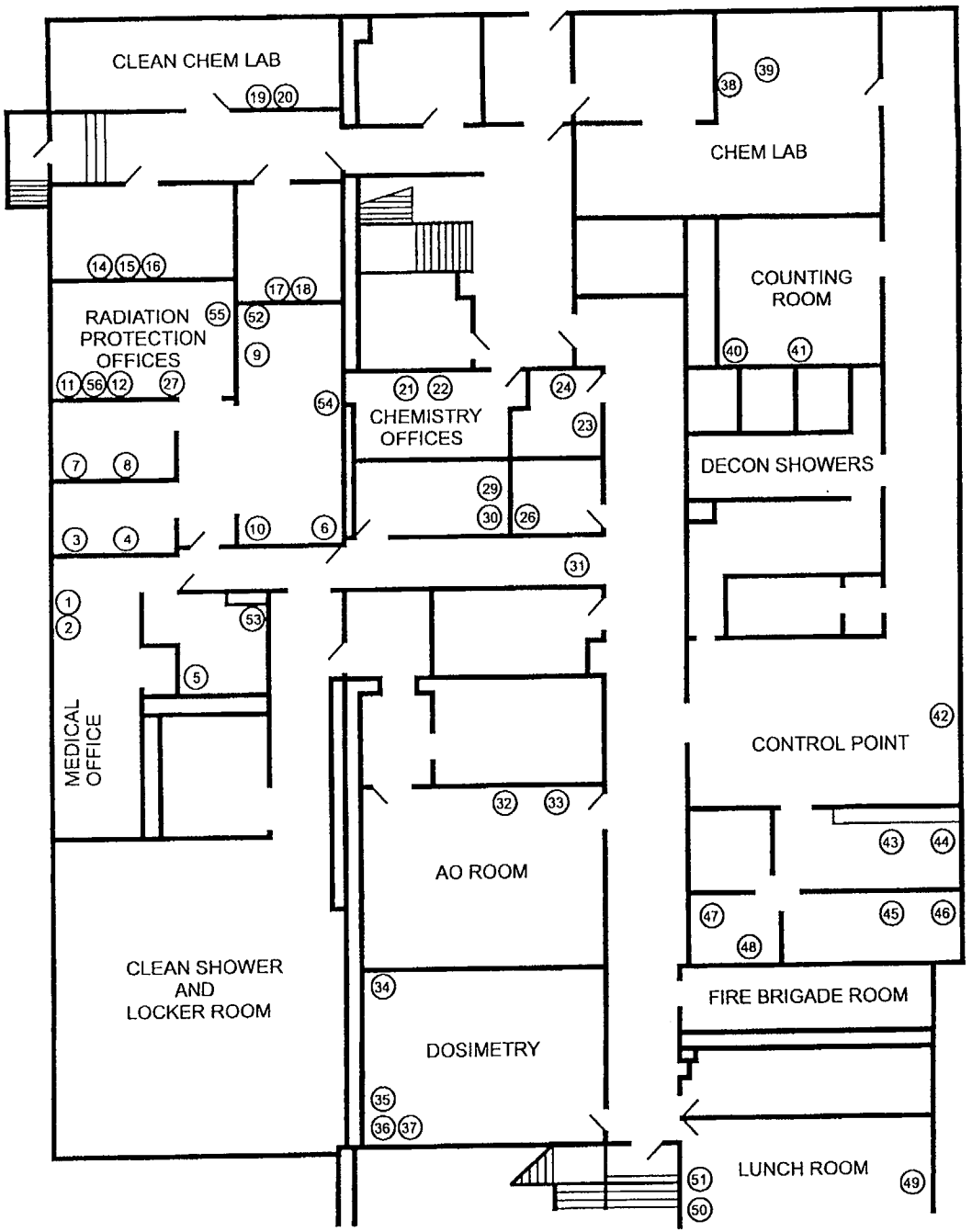


Figure 5
OP 3504 Rev. 33
Page 1 of 1

OPERATIONS SUPPORT CENTER - COMMUNICATIONS AF GEMENT

NO.	TELECOMMUNICATIONS DESCRIPTION	EXTENSION
1	EXTENSION TELEPHONE	5520 •
2	GAI-TRONICS	------
3	EXTENSION TELEPHONE	5472 •
4	GAI-TRONICS	------
5	MULTIPLE LINE EXTENSION TELEPHONE	5495 •
6	GAI-TRONICS	------
7	EXTENSION TELEPHONE	5518 •
8	GAI-TRONICS	------
9	GAI-TRONICS	------
10	MULTIPLE LINE EXTENSION TELEPHONE	5480 •
11	MULT. LINE EXT. TELEPHONE (AUTO R/D)	5405* (5015)
12	GAI-TRONICS	------
13	(Deleted)	
14	EXTENSION TELEPHONE	5663 •
15	GAI-TRONICS	------
16	EXTENSION TELEPHONE	5501 •
17	EXTENSION TELEPHONE	5486 •
18	GAI-TRONICS	------
19	EXTENSION TELEPHONE	5661 •
20	GAI-TRONICS	------
21	EXTENSION TELEPHONE	5502 •
22	GAI-TRONICS	------
23	EXTENSION TELEPHONE	5504 •
24	GAI-TRONICS	------
25	(Deleted)	
26	GAI-TRONICS	------
27	ALT. AUTO RINGDOWN (EOF TO TSC/CR/OSC)	------
28	(Deleted)	
29	EXTENSION TELEPHONE	5503 •
30	GAI-TRONICS	------
31	GAI-TRONICS	------
32	EXTENSION TELEPHONE	5120
33	GAI-TRONICS	------
34	EXTENSION TELEPHONE	5485 •
35	EXTENSION TELEPHONE & FAX MACHINE	5489 •
36	EXTENSION TELEPHONE	5479 •
37	GAI-TRONICS	------
38	EXTENSION TELEPHONE	5506 •
39	GAI-TRONICS	------
40	EXTENSION TELEPHONE	5129
41	GAI-TRONICS	------
42	GAI-TRONICS	------
43	EXTENSION TELEPHONE	5483 •
44	GAI-TRONICS	------
45	EXTENSION TELEPHONE	5996 •
46	GAI-TRONICS	------
47	EXTENSION TELEPHONE	5192
48	GAI-TRONICS	------
49	PAY PHONE	254-8545
50	EXTENSION TELEPHONE	5252
51	GAI-TRONICS	------
52	EXTENSION TELEPHONE	5491 •
53	GAI-TRONICS	------
54	GAI-TRONICS	------
55	EXTENSION TELEPHONE	5468 •
56	OSC	5210

* SET INCLUDES PRIMARY AUTO RINGDOWN
• OPTIONAL DIRECT OFF-SITE ACCESS USING 258-XXXX

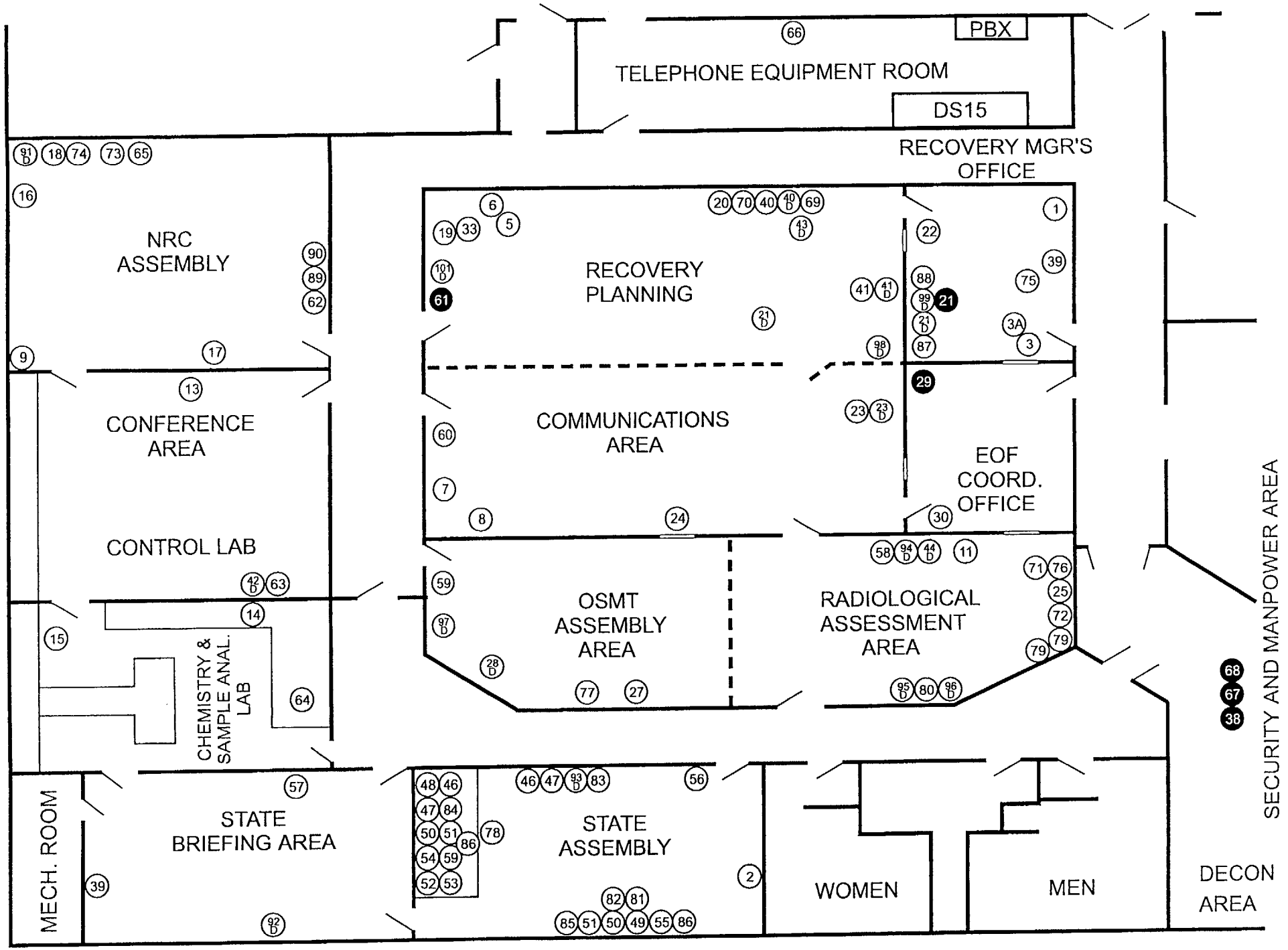


Figure 6
OP 3504 Rev. 33
Page 1 of 2

EMERGENCY OPERATIONS F[illegible]ILITY/RECOVERY CENTER - COMMUNICATION[illegible] ARRANGEMENT

NO.	TELECOMMUNICATIONS DESCRIPTION	LOCATION	EXTENSION
1	NAS PHONE	SRM OFFICE	——
2	NAS PHONE	STATE ASSEMBLY	——
3	PRIMARY AUTO RINGDOWN	SRM OFFICE	4802
3A	ALTERNATE AUTO RINGDOWN	SRM OFFICE	——
5	INTERNAL TO NMC	RECOVERY PLANNING	4867
6	FAX MACHINE	RECOVERY PLANNING	4868
7	FAX MACHINE (INCOMING)	COMMUNICATIONS	4255 •
8	FAX MACHINE (OUTGOING)	COMMUNICATIONS	4266 •
9	NRC FAX MACHINE	NRC	4268 •
10	(Deleted)		
10A	(Deleted)		
11	RAD ASSESSMENT	RAD ASSESSMENT	4872
12	(Deleted)		
13	CONFERENCE ROOM	CONFERENCE ROOM	4873
14	SAMPLE ANALYSIS	CHEM LAB	4871
15	SAMPLE ANALYSIS	CHEM LAB	4870
16	NRC	NRC	4269 •
17	NRC	NRC	2190 •
18	NRC	NRC	4270 •
19	RECOVERY PLANNING	RECOVERY PLANNING	4864
20	RECOVERY PLANNING	RECOVERY PLANNING	4863
21 ☐	RECOVERY PLANNING	SRM OFFICE	4862
21D	RECOVERY MANAGER - DATA	SRM OFFICE	DATA
22	RECOVERY MANAGER - NRC	SRM OFFICE	4861
23	COMMUNICATIONS - ASSISTANT	COMMUNICATIONS	4865
23D	COMMUNICATIONS - DATA	COMMUNICATIONS	DATA
24	COMMUNICATIONS	COMMUNICATIONS	4866
24D	(Deleted)		
25	RAD ASSESSMENT - NRC	RAD ASSESSMENT	4267 •
26D	(Deleted)		
27	RAD ASSESSMENT	OSMT AREA	4869
28D	RAD ASSESSMENT - DECNET	OSMT AREA	DATA
29 ☐	EOF COORDINATOR - NRC	EOFC OFFICE	4253 •
30	EOF COORDINATOR	EOFC OFFICE	4860
33	VT NUCLEAR ENGINEER	RECOVERY PLANNING	4272 •
38 ☐	SECURITY/MANPOWER	LOBBY	4875
39	NRC	SRM OFFICE/STATE BRIEFING	2190 •
40	RECOVERY PLANNING	RECOVERY PLANNING	4874
40D	LM8 TO DATA SWITCH	RECOVERY PLANNING	DATA
41	PURCHASING	RECOVERY PLANNING	4254 •
41D	PURCHASING DATA	RECOVERY PLANNING	DATA
42D	LAB 127	CONTROL LAB	DATA
43D	ADJ. TO PURCHASING	RECOVERY PLANNING	DATA
44D	RAD ASSESSMENT	RAD ASSESSMENT	DATA
45	(Deleted)		
46	MA PHONE	STATE ASSEMBLY	4281 •
47	MA PHONE	STATE ASSEMBLY	4277 •
48	MA FAX MACHINE	STATE ASSEMBLY	4278 •
49	NH PHONE	STATE ASSEMBLY	4275 •
50	NH FAX MACHINE	STATE ASSEMBLY	4276 •
51	NH PHONE	STATE ASSEMBLY	4280 •
52	VT PHONE	STATE ASSEMBLY	4279 •
53	VT PHONE	STATE ASSEMBLY	4273 •
54	VT FAX MACHINE	STATE ASSEMBLY	4274 •
55	FEMA PHONE	STATE ASSEMBLY	2191 •
56	WALL PHONE	STATE ASSEMBLY	4858
57	WALL PHONE	STATE BRIEFING	4857
58	WALL PHONE	RAD ASSESSMENT	4856
59	WALL PHONE	OSMT AREA	4855
60	WALL PHONE	COMMUNICATIONS	4854
61 ☐	WALL PHONE	RECOVERY PLANNING	4853
62	WALL PHONE	NRC	4852
63	WALL PHONE	CONFERENCE/CONTROL LAB	4850
64	WALL PHONE	CHEM LAB	4851
65	NRC	NRC	4271 •
66	PBX TELEPHONE ROOM	TELEPHONE ROOM	4299 •
67 ☐	SECURITY/MANPOWER	LOBBY	4876 •
68 ☐	SECURITY/MANPOWER	LOBBY	4877
69	NRC REACTOR SAFETY COUNTERPART LINK	RECOVERY PLANNING (FTS)	700-661-4330
70	NRC ENS PHONE	RECOVERY PLANNING (FTS)	700-661-4329
71	NRC HPN PHONE	RAD ASSESSMENT (FTS)	700-661-4328
72	NRC PROTECTIVE MEASURES COUNTERPART LINK	RAD ASSESSMENT (FTS)	700-661-4327
73	NRC MANAGEMENT COUNTERPART LINK	NRC (FTS)	700-661-4326
74	NRC LOCAL ACCESS NETWORK	NRC (FTS)	700-661-4325
75	VY-USE NRC ENS PHONE	SRM OFFICE (FTS)	700-661-4329
76	VY-USE NRC HPN PHONE	RAD ASSESSMENT (FTS)	700-661-4328
77	UHF RADIO SYSTEM	OSMT AREA	——
78	MA PHONE	STATE ASSEMBLY	4291 •
79	WALL PHONE	RAD ASSESSMENT	4292
80	MODEM	RAD ASSESSMENT	4678
81	EXT. PHONE	STATE ASSEMBLY	4831
82	EXT. PHONE	STATE ASSEMBLY	4832
83	EXT. PHONE	STATE ASSEMBLY	4833
84	EXT. PHONE	STATE ASSEMBLY	4834
85	EXT. PHONE	STATE ASSEMBLY	——
86	EXT. PHONE	STATE ASSEMBLY	4293
87	EXT. PHONE	SRM OFFICE	4677
88	EXT. PHONE	SRM OFFICE	4886
89	EXT. PHONE	NRC	4260
90	EXT. PHONE	NRC	4261
91D	DATA	NRC	DATA
92D	DATA	STATE BRIEFING	DATA
93D	DATA	STATE ASSEMBLY	DATA
94D	DATA	RAD ASSESSMENT	DATA
95D	DATA	RAD ASSESSMENT	DATA
96D	DATA	RAD ASSESSMENT	DATA
97D	DATA	OSMT AREA	DATA
98D	ERFIS	RECOVERY PLANNING	DATA
99D	ERFIS	SRM OFFICE	DATA
100D	DATA	RAD ASSESSMENT	DATA
101D	DATA	RECOVERY PLANNING	DATA

☐ - POWER FAIL PHONE

• - OPTIONAL DIRECT OFF-SITE ACCESS USING 258-XXXX

FIGURE 7
Determination of Vernon Off-Site Telephone Capability and Alternate Means to Utilize

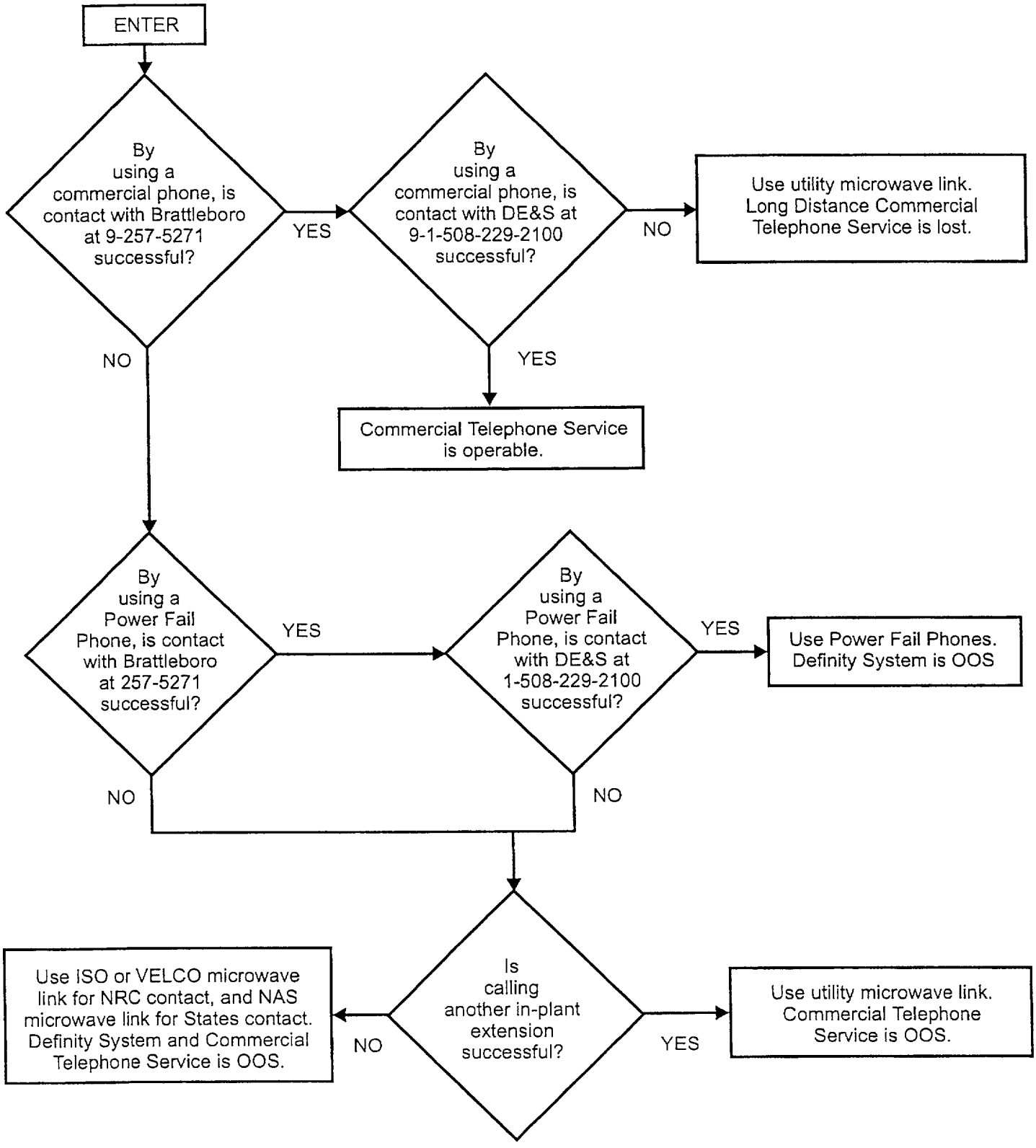


FIGURE 8
Determination of Brattleboro Off-Site Telephone Capability and Alternate Means to Utilize

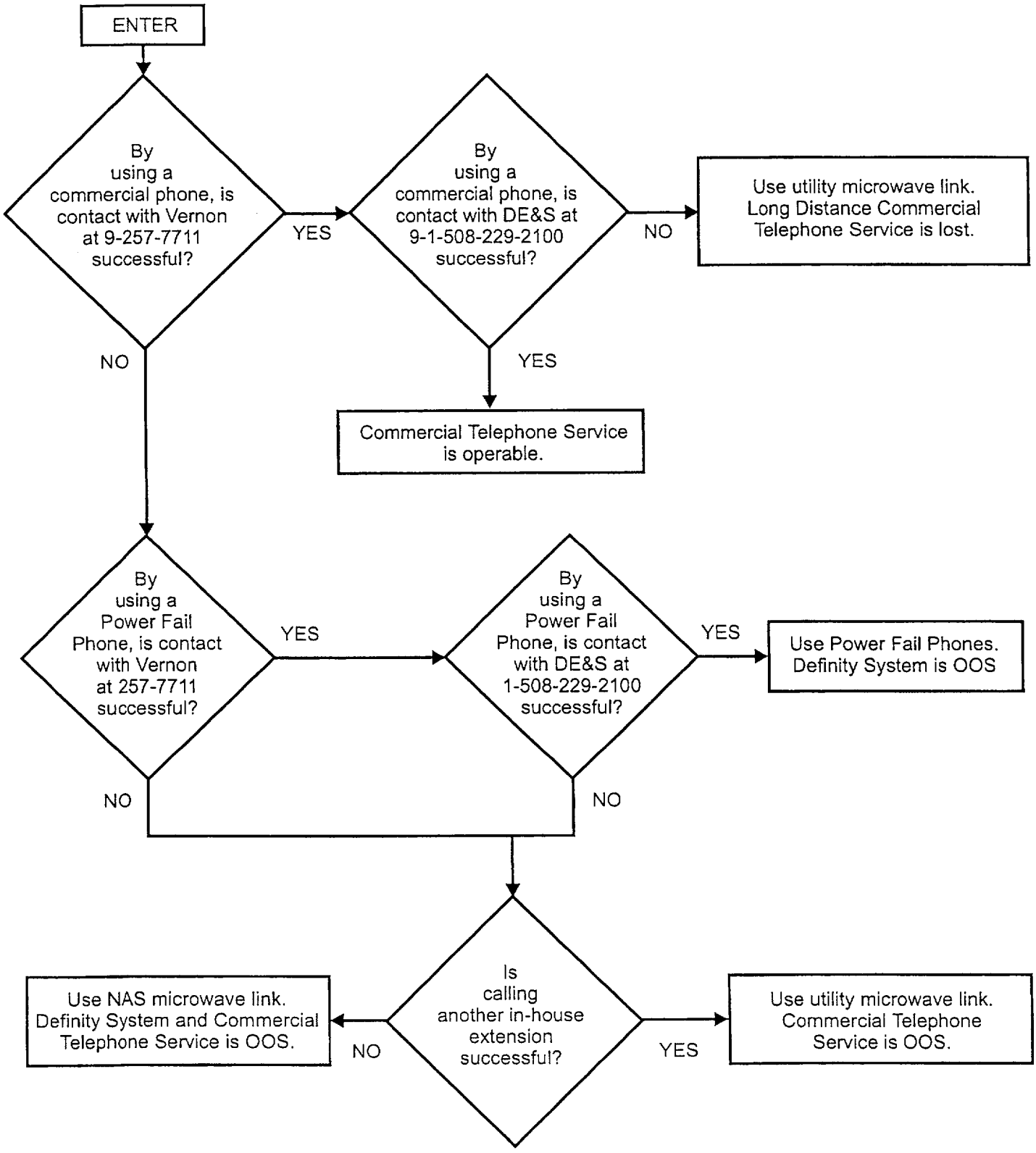


FIGURE 9
Nuclear Alert System (NAS)

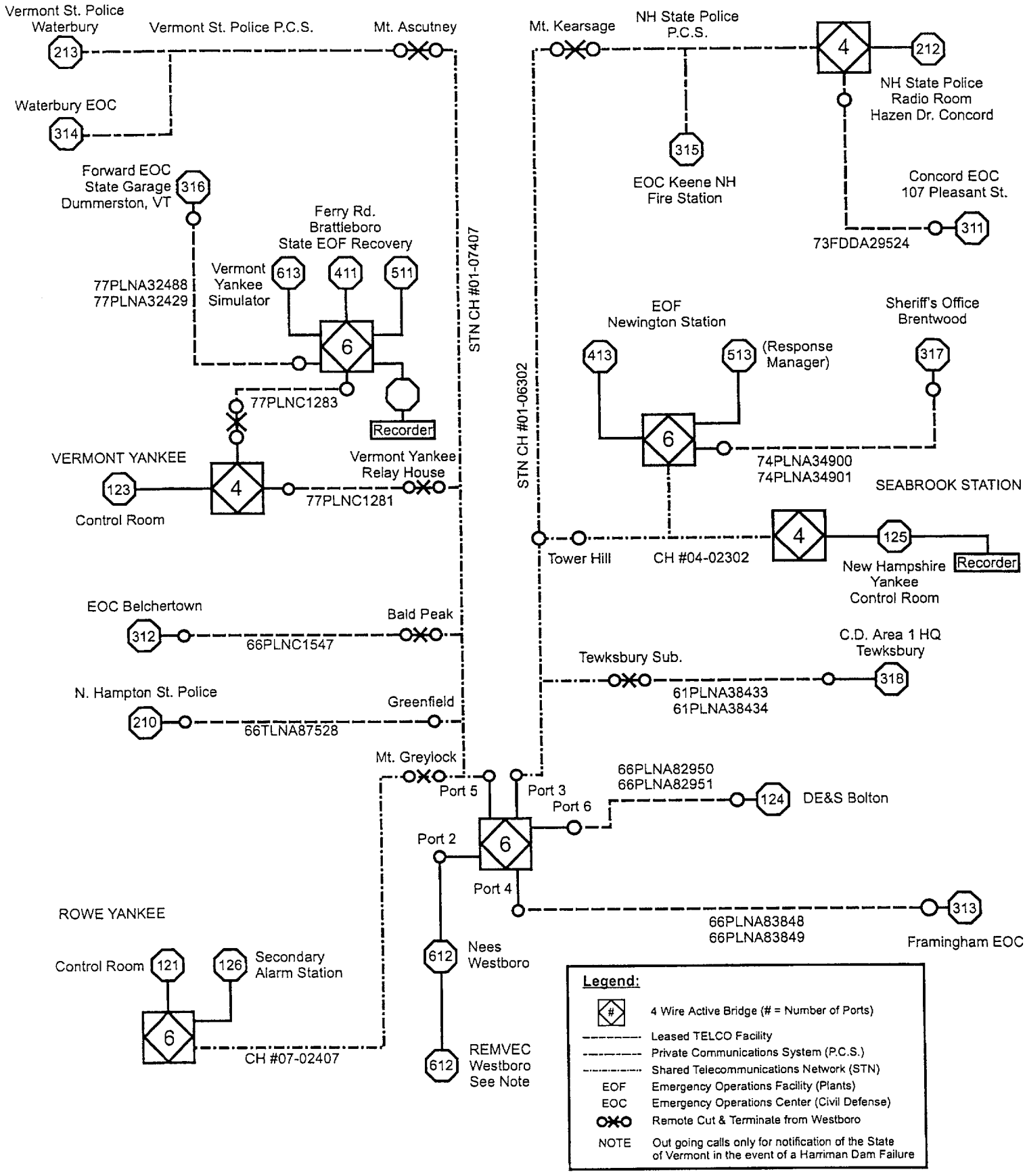
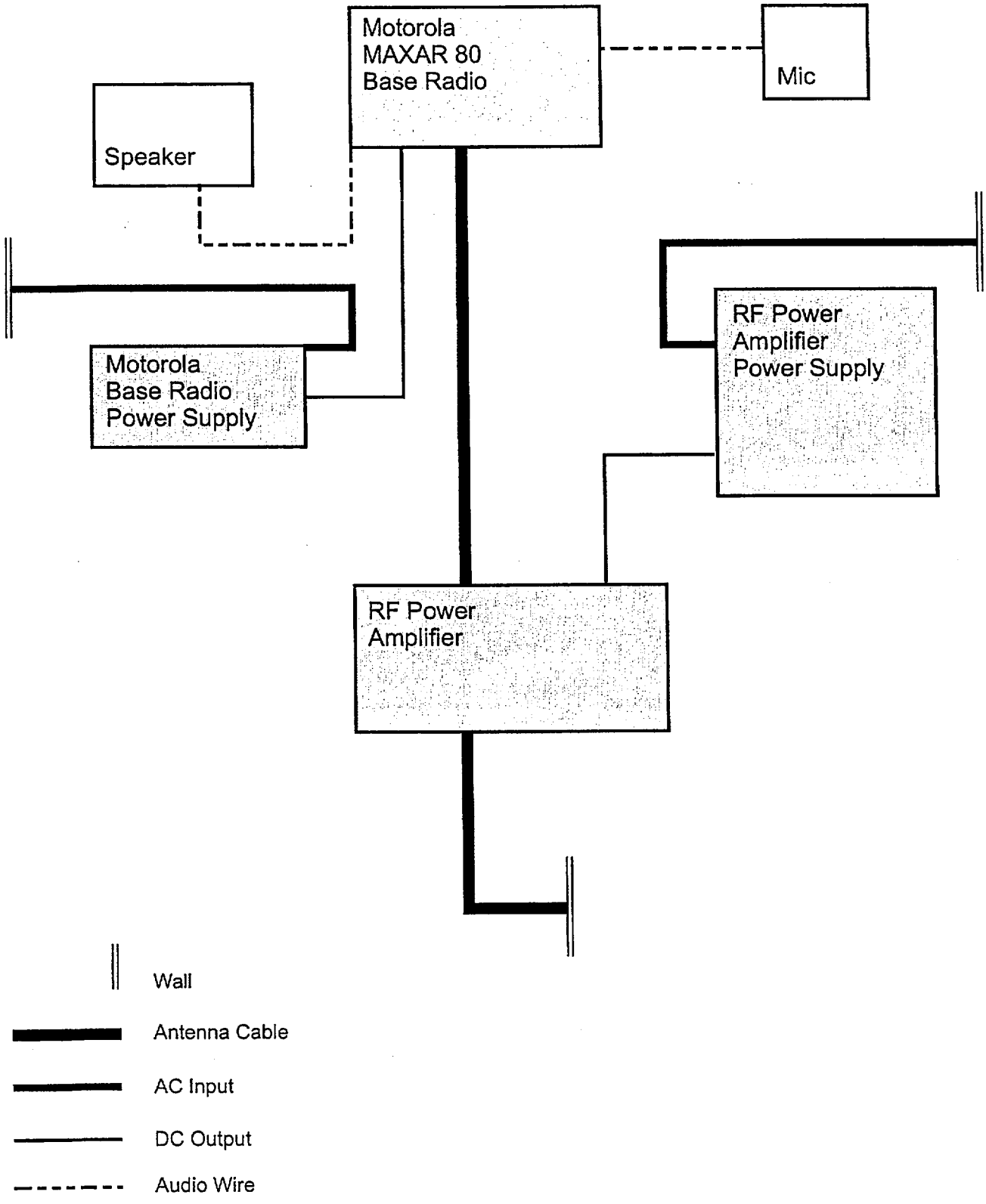


FIGURE 10

EOF UHF Backup Base Radio Configuration



VERMONT YANKEE NUCLEAR POWER STATION

OPERATING PROCEDURE

OP 3506

REVISION 40

EMERGENCY EQUIPMENT READINESS CHECK

USE CLASSIFICATION: **REFERENCE**

LPC No.	Effective Date	Affected Pages

Implementation Statement: N/A

Issue Date: 08/07/01

TABLE OF CONTENTS

PURPOSE

To ensure that emergency radiological and communication equipment is periodically inventoried and maintained in an operable condition by assigned plant personnel.

No required Tech. Spec. surveillances are covered in this procedure.

DISCUSSION

The Operations Department shall conduct scheduled tests of emergency communications equipment as follows:

1. Test of the Nuclear Alert System (NAS) orange phone.

2. Test of the Unusual Event, Alert, Site Area Emergency and General Emergency Alarms.

3. Test of the Southwest Fire Mutual Aid and Tri-State Mutual Aid radio (Deskon II).

4. Test of the NRC Emergency Telecommunications System phones.

A Radiation Protection (RP) Technician shall be assigned to perform the following:

1. Physical inventory of Emergency Equipment Kits and Cabinets contents as listed on VYOPF 3506.02 and VYOPF 3506.06 on a scheduled basis and subsequent to each usage.

2. Physical inventory of Emergency Kit equipment contents at Brattleboro Memorial Hospital (BMH) as listed on VYOPF 3506.03.

A Chemistry Technician shall be assigned to perform the following:

1. Physical inventory of the Liquid PASS Sampling kit and the Plant Vent Stack PASS Sampling kit as listed on VYOPF 3506.05 on a scheduled basis and subsequent to each usage.

Quarterly, the Emergency Planning Supervisor (EPS) will ensure that Emergency Response phone numbers are updated via VYOPF 3506.13.

Monthly, the EPS will ensure the FTS phones in the Technical Support Center (TSC) and the Emergency Operations Facility (EOF), and the NAS phones in the EOF are tested via VYOPF 3506.08.

NOTES

- The quantities listed in this procedure are to be considered the minimum required. Quantities above those listed are acceptable.
- Pens, pencils and scratch paper are readily available and therefore will not be maintained in the EOF and TSC kits.

Preventive maintenance and testing of the Public Notification System (PNS) utilized within the Vermont Yankee Emergency Planning Zone is conducted by Northeast Mountain Radio of Rutland, VT, as follows:

1. Monthly preventive maintenance on 21 sirens and 10 generators.
2. Annual siren receiver sensitivity and full decoder tests.
3. Preparation of annual maintenance testing program summary report.

Per Surveillance Test No. 4000, the power fail phone system in Vernon and Brattleboro is tested on a semi-annual basis.

ATTACHMENTS

1.	VYOPF 3506.01	Control Room Monthly Emergency Communications Checklist
2.	VYOPF 3506.02	Emergency Equipment Checklist
3.	VYOPF 3506.03	Brattleboro Memorial Hospital Emergency Equipment Checklist
4.	VYOPF 3506.04	Deleted
5.	VYOPF 3506.05	Chemistry Emergency Equipment Readiness Check
6.	VYOPF 3506.06	Post Accident Sampling Kits (RP)
7.	VYOPF 3506.07	Procedure/Form Copy Update Worksheet
8.	VYOPF 3506.08	TSC/EOF FTS and NAS Phone Checklist
9.	VYOPF 3506.09	EOF Emergency Plan Implementing Procedures and Status Forms Book Update
10.	VYOPF 3506.10	OSC Emergency Plan Implementing Procedures and Status Forms Book Update
11.	VYOPF 3506.11	Control Room Emergency Plan Implementing Procedures and Status Forms Book Update
12.	VYOPF 3506.12	TSC Emergency Plan Implementing Procedures and Status Forms Book Update
13.	VYOPF 3506.13	Emergency Response Phone Number Check

REFERENCES AND COMMITMENTS

1. Technical Specifications and Site Documents

   a. None

2. Codes, Standards, and Regulations

   a. None

3. Commitments

   a. ER981874_02

4. Supplemental References

   a. VYP:317, Purchasing Policy
   b. Vermont Yankee EPZ Public Notification System Guide, JPS Communications, Inc.
   c. YA-NOG-9101, Procedure for Operation of the Nuclear Alert System (NAS)
   d. AP 0156, Notification of Significant Events
   e. AP 0506, Personnel Monitoring
   f. AP 0525, Dosimetry Processing
   g. RP 0537, Contamination Events
   h. AP 0546, Planned Special Exposures
   i. DP 2521, Operation and Calibration of the Eberline Mobile Continuous Air Monitor
   j. OP 2611, Stack Effluent Sampling and Analysis
   k. AP 3125, Emergency Plan Classification and Action Level Scheme
   l. OP 3504, Emergency Communications
   m. OP 3507, Emergency Radiation Exposure Control
   n. OP 3508, On-Site Medical Emergency Procedure
   o. OP 3510, Off-Site and Site Boundary Monitoring
   p. OP 3511, Off-Site Protective Action Recommendations
   q. OP 3513, Evaluation of Off-Site Radiological Conditions
   r. OP 3524, Emergency Actions to Ensure Initial Accountability and Security Response
   s. OP 3525, Radiological Coordination
   t. OP 3533, Post Accident Sampling of Reactor Coolant
   u. OP 3534, Post Accident Sampling of Plant Stack Gaseous Releases
   v. OP 3540, Control Room Actions During an Emergency
   w. OP 3541, Activation of the Technical Support Center (TSC)
   x. OP 3542, Operation of the Technical Support Center (TSC)
   y. OP 3544, Operation of the Operations Support Center (OSC)
   z. OP 3545, Activation of the Emergency Operations Facility/Recovery Center (EOF/RC)
   aa. OP 3546, Operation of the Emergency Operations Facility/Recovery Center (EOF/RC)
   ab. OP 3547, Security Actions during an Emergency
   ac. OP 4533, Airborne Radioactivity Concentration Determination
   ad. DP 4562, Calibration and Operation of the SAM-2
   ae. DP 4579, Respiratory Protection Equipment Inspection and Maintenance

af. AP 6807, Collection, Temporary Storage and Retrieval of QA Records
ag. PP 7011, VY Fire Protection and Appendix R Program
ah. PP 7019, Severe Accident Management Program

PREREQUISITES

1. Apparatus required:

   a. Fresh batteries for equipment as required.

   b. Recently calibrated and operable survey meters.

   c. New seals.

2. Obtain necessary copies of VYDPF 4579.01 and 4579.04 for use in VYOPF 3506.02.

PROCEDURE

A. Control Room Emergency Communications Check (Operations) (Use VYOPF 3506.01)

   1. Monthly, the Operations Department shall test the Nuclear Alert System by contacting, and requesting a callback from, each of the three states (Vermont, New Hampshire, Massachusetts) using the following procedure:

> **NOTE**
>
> This number initiates a call to each of the three State Police agencies. However, no audible ringing is present at the transmit station. The station receiver will continue to ring until it is answered even if the transmit station is recradled.

      a. Lift handset and dial 213 for VT, 210 for MASS, 212 for NH.

      b. Advise each State Police agency that answers of the test of the Nuclear Alert System, and record the results on VYOPF 3506.01.

      c. Test the Group Call capability with the three State Police agencies by lifting handset and dialing 111.

d. Notify the following if any part of the system fails to operate:

1) Communications Department, National Grid, Westboro:

508-389-2104

2) ISO-New England: (Weekends and Off-hours in place of Westboro)

1-413-535-4384

3) Emergency Planning Supervisor (EPS):

Ext. 4152

e. Notify the affected state Emergency Management office if any part of the system fails to operate:

1) Mass. Emergency Management:

1-508-820-2000

2) New Hampshire Emergency Management:

1-603-271-2231

3) Vermont Emergency Management:

1-802-244-8721 or 1-800-347-0488

2. Monthly the Operations Department shall test the NRC FTS ENS phone in the Control Room as follows:

a. Lift the receiver and listen for the dial tone.

b. After receiving a dial tone, dial the first number listed below (or on the sticker located on the telephone base) using all 11 digits. If the first number is busy, proceed with the second number.

1-301-816-5100
1-301-951-0550

c. State your name, location, and the fact that you are testing the NRC ENS. Request that the NRC staff member call back at 700-661-4323.

3. Monthly, the Operations Department shall test the Southwest Fire Mutual Aid and Tri-State Fire Mutual Aid radio (Deskon II) by contacting the Keene and Shelburne dispatchers as follows:

NOTES

- The Deskon II phone unit is provided with both a handset and a speaker-microphone. With the handset "on hook", messages may be transmitted by holding the TRANSMIT bar depressed and speaking into the speaker-microphone. With the handset "off hook", messages may be sent by holding the transmit bar on the handset depressed while speaking into it. The red signal light on the control unit will illuminate each time either transmit function is selected.
- If unable to contact Keene by radio, call (603) 352-1291.

a. Contact the Keene dispatcher using the following message:

1) "KCE-579, this is KCP-596, Remote 2".

2) After Keene responds, inform them that you are performing a radio check.

3) After check is performed report "Thank you. KCP-596, Remote 2 clear".

NOTE

If unable to contact Shelburne by radio, call (413) 625-8200.

b. Contact the Shelburne dispatcher using the following message:

1) "KCE-786, this is KCP-596, Remote 2".

2) After Shelburne responds, inform them that you are performing a radio check.

3) After check is performed report "Thank you. KCP-596, Remote 2 clear".

c. If either mutual aid radios communications systems malfunction, notify the I/C Department.

4. Monthly, the Operations Department shall test the Unusual Event/Alert, Site Area/General Emergency Alarms using the following procedure:

> **NOTE**
>
> Whenever the Evacuate-Off-Alert selector switch is activated, the page system volume is increased.

a. To test the Alert Alarm (used for Unusual Event and Alert emergencies) and the Evacuation Alarm (used for Site Area and General Emergencies), perform the following:

1) turn the Page Sys Volume and Alarm Tone Select switch to the ALERT position,

2) make the following announcement over the Gaitronics:

"Attention all personnel, attention all personnel, the following is a test of the Emergency Alert and the Emergency Evacuation Alarms, please disregard." Repeat the announcement.

3) turn the Alarm Tone Control switch to the ON position for three seconds, then return the switch to the OFF position,

4) turn the Page Sys Volume and Alarm Tone Control Select switch to the OFF position,

5) turn the Page Sys Volume and Alarm Tone Control Select switch to the EVACUATION position,

6) turn the Alarm Tone Control switch to the ON position for three seconds, then return the switch to the OFF position,

7) make the following announcement over the page system:

"Testing of the Emergency Alert and the Emergency Evacuation Alarms is complete. Regard all further alarms."

8) turn the Page Sys Volume and Alarm Tone Control Select switch to the OFF position.

b. Contact the on shift Auxiliary Operators and verify that they heard both the alarm announcements and alarm signals.

c. If any alarm malfunctions, notify the I/C Department and initiate corrective action.

5. Route VYOPF 3506.01 to the Shift Supervisor for review.

6. Forward VYOPF 3506.01 to the Emergency Plan Coordinator (EPC) for review.

7. The EPC will file VYOPF 3506.01 in accordance with AP 6807.

B. Quarterly Emergency Equipment Check (RP) (Use VYOPF 3506.02)

> **NOTE**
>
> VYOPF 3506.07 can be used as an aid in determining the locations of copies of controlled procedures and forms which are located outside their normal controlled locations.

1. Refer to any control copy and list the current revision and Department Instruction of the procedures and forms listed on VYOPF 3506.07.

2. Obtain a copy of VYOPF 3506.02.

3. Contact the Emergency Plan Coordinator (EPC) for any special instructions.

4. Inventory Emergency kit and cabinet contents against material listed on VYOPF 3506.02.

5. If necessary, update any copies of procedures or forms specified on VYOPF 3506.02. Refer to VYOPF 3506.07 for current Rev. and DI/LPC Nos.

6. Check operability of telephones and associated phone jacks listed on VYOPF 3506.02.

7. Replace material and instrumentation as required. Materials and instruments whose calibration, expiration, or shelf life will expire prior to the next scheduled performance of this portion of OP 3506 should be replaced.

8. Attach an initialed and dated seal to the kit.

9. Make notes on the status of equipment and correct all deficiencies.

10. Submit the completed VYOPF 3506.02 to the RP Supervisor, who will ensure the following:

    a. Any pending corrective actions are summarized (e.g., Work Request Nos. are listed) and projected completion dates are specified.

    b. All corrective actions have been taken in response to any deficiencies noted.

11. The RP Supervisor will submit VYOPF 3506.02 to the EPC who will do the following:

    a. Review any pending corrective actions for appropriateness and timeliness (i.e., is projected completion date reasonable to ensure emergency preparedness).

    b. Review corrective actions for appropriateness.

    c. Approve status of the emergency kits and cabinets.

12. The EPC will file VYOPF 3506.02 in accordance with AP 6807.

C. Quarterly Brattleboro Memorial Hospital Emergency Equipment Check (RP) (Use VYOPF 3506.03)

1. Refer to any control copy of OP 3508 and list the current revision and Department Instruction of the procedure on VYOPF 3506.03, as applicable.

2. Proceed to the BMH Emergency Wing.

3. Inventory the emergency kits contents against those items listed on VYOPF 3506.03.

4. Replace material and instrumentation as required. Materials and instruments whose calibration, expiration, or shelf life will expire prior to the next scheduled performance of this portion of OP 3506 should be replaced.

5. Make notes on the status of equipment and correct all deficiencies.

6. Submit the completed VYOPF 3506.03 to the RP Supervisor, who will ensure all corrective actions have been taken in response to any deficiencies noted.

7. The RP Supervisor will submit VYOPF 3506.03 to the EPC who will review it and approve the status of the emergency kits.

8. The EPC will file VYOPF 3506.03 in accordance with AP 6807.

D. Quarterly Post Accident Sample Equipment Check (RP) (Use VYOPF 3506.06)

1. Obtain a copy of VYOPF 3506.06.

2. Inventory the kits as listed on VYOPF 3506.06.

3. Inventory the lead "pigs" as listed on VYOPF 3506.06.

4. Correct any deficiencies.

5. Submit completed VYOPF 3506.06 to RP supervision for approval.

6. RP supervision will submit VYOPF 3506.06 to the EPC who will review it and approve the status of the kits.

7. The EPC will file VYOPF 3506.06 in accordance with AP 6807.

E. Quarterly Chemistry Emergency Equipment Check (Use VYOPF 3506.05)

1. Obtain a copy of VYOPF 3506.05.

2. Inventory the two kits as listed on VYOPF 3506.05.

3. Attach an initialed and dated seal to the kit.

4. Inventory the lead "pigs" as listed on VYOPF 3506.05.

5. Correct any deficiencies.

6. Submit completed VYOPF 3506.05 to Chemistry supervision for approval.

7. Chemistry supervision will submit VYOPF 3506.05 to the EPC who will review it and approve the status of the kits.

8. The EPC will file VYOPF 3506.05 in accordance with AP 6807.

F. Vermont Yankee Public Notification System Preventive Maintenance, Testing, and Reporting

1. Northeast Mountain Radio shall perform monthly and annual preventive maintenance and surveillance services for the sirens and generators according to procedures as specified in the "Vermont Yankee Emergency Planning Zone Public Notification System Guide".

   a. On a monthly basis, Northeast Mountain Radio shall provide Vermont Yankee's Emergency Plan Coordinator (EPC) with a maintenance summary for the sirens and generators. This summary shall include a listing of all repairs performed, and any system outages that occurred. Data sheets from the monthly siren/generator maintenance shall be attached to the summary.

   b. On an annual basis, Northeast Mountain Radio shall provide the Vermont Yankee EPC with a maintenance and testing program summary for submittal to the Federal Emergency Management Agency (FEMA). This summary shall document system operability as well as other tests performed to comply with FEMA guidance as defined in FEMA Guidance Memorandum PR-I.

G. Emergency Response Telephone Number Check (Use VYOPF 3506.13)

On a quarterly basis, the Emergency Planning Supervisor (EPS) will ensure that Emergency Response telephone numbers are updated.

1. An EP staff member will perform the following:

   a. Using VYOPF 3506.13, verify that telephone numbers in OP 3504 Appendix B are accurate. If inaccuracies are found, note on VYOPF 3506.13.

   b. Verify that telephone numbers within AP 0156 are accurate. If inaccuracies are found, note on VYOPF 3506.13.

   c. Verify the phone numbers in the Emergency Response Telephone Directory are accurate.

   d. Place the latest Vermont Yankee phone list in the Emergency Response Telephone Directory.

   e. Sign and date VYOPF 3506.13.

   f. Forward VYOPF 3506.13 to the Emergency Plan Coordinator.

2. The EPC will do the following:

   a. Ensure that the appropriate procedural changes have been initiated to reflect any telephone number inaccuracies determined in Step 1.

   b. Sign and date VYOPF 3506.13.

   c. The EPC will file VYOPF 3506.13 in accordance with AP 6807.

H. TSC/EOF FTS and NAS Phone Test

1. Monthly, the EPC will ensure the FTS phones in the TSC and EOF, and the NAS phones are tested for operability. Test results are recorded on VYOPF 3506.08.

2. The EPC will file VYOPF 3506.08 in accordance with AP 6807.

I. Emergency Plan Implementing Procedures and Status Form Book Updates (VYOPF 3506.09, .10, .11, or .12)

Whenever an EPIP change is received from the Procedure Administrative Assistant, the cognizant individuals for the EOF, TSC, OSC and Control Room shall update the procedure file and status forms book for their facility.

1. Obtain a copy of VYOPF 3506.09, .10, .11 or .12 as appropriate.

2. Update the EPIP book per the procedure change memo.

3. Update status forms book with any copies of forms specified on VYOPF 3506.09, .10, .11 or .12 as appropriate.

4. Return VYOPF 3506.09, .10, .11 or .12 to the EPC for review.

5. The EPC shall file the VYOPF 3506 forms in accordance with AP 6807.

J. Power Fail Phone Test

NOTE

This test is normally conducted on a Sunday evening to minimize impact on plant operations. Testing is scheduled through Work Management.

Per Surveillance Test No. 4000, the power fail phone system in Vernon and Brattleboro will be tested on a semi-annual basis. A switch in the Definity phone system can force the system into a simulated power fail condition by removing battery power to the normally operated relays. When the relays release, the ten lines wired to the relays are transferred from the normal contacts to the ten assigned Telephone Numbers as specified in Appendix G to OP 3504. This action removes thirteen extensions as designated in Appendix G from the Definity phone system.

The Definity phone system continues to operate normally for the other extension users. Extensions can call each other, make long distance calls, and make tie line calls to Bolton and Brattleboro. Since 10 of the 18 outgoing lines are unavailable and the Definity system is "unaware" that 10 of these lines are unavailable, dialing local numbers might be a problem. A connection with a local party might not occur; no busy signal; no denial signal. The caller can try again at which time the Definity system selects the "next" line. Success cannot be guaranteed, and how many times the caller needs to try is uncertain. It should be noted at this point that the Control Room could use one of their 3 power fail phones to reach a local number.

The test consists of checking each of the 13 power fail phones for call out capabilities. A call is made to each of these phones to test ringing. The approximate time to complete the test is about 20 minutes, assuming all locations are readily accessible.

1. CONSULT/TECHS

   a. Contact AT&T Operations Center in Denver and inform them of the impending test.

   b. Contact the Control Room for consent to begin the test.

   c. Contact the Security Shift Supervisor that the test is beginning.

d. Contact the Control Room, Security Shift Supervisor, and AT&T Operations Center when the test is finished and the Definity system is back to normal.

2. CONTROL ROOM

> **NOTE**
>
> In the event that plant activities do not warrant continuation of the test, contact CONSULT/TECHS to activate switch to terminate test and return Definity system back to normal operation.

a. When contacted by CONSULT/TECHS that the test is being initiated, make the following Gai-Tronics announcement:

"A TEST OF THE POWER FAIL PHONE SYSTEM IS BEING CONDUCTED. DURING THE TEST, OUTSIDE CALLS WILL BE RECEIVED AND LOGGED BY GATE 2, AND THEY WILL NOT BE TRANSFERABLE." (Repeat announcement.)

b. When contacted by CONSULT/TECHS that the test has ended, make the following Gai-Tronics announcement:

"THE POWER FAIL PHONE SYSTEM TEST HAS ENDED. PHONE SYSTEM IS BACK TO NORMAL." (Repeat announcement.)

3. GATE 2

> **NOTE**
>
> Incoming calls, dialing 257-7711, ring at Gate 2 and the Main Office for the first three lines (257-7711, 257-7712, and 257-7713), but cannot be transferred. If the Break Hunt Switch is activated, callers receive a busy signal if these three lines are all in use.

a. If an outside call is received, take caller's name and number and have VY person to be contacted call the party back.

FINAL CONDITIONS

1. All equipment is complete and in operable condition.

2. All documentation retained in accordance with AP 6807.

CONTROL ROOM MONTHLY EMERGENCY COMMUNICATIONS CHECKLIST

Date_____

A. Nuclear Alert System Time_____

1. Successful Test with Vermont (213) Yes_____ No_____

   Callback from Vermont successful Yes_____ No_____

2. Successful Test with New Hampshire (212) Yes_____ No_____

   Callback from New Hampshire successful Yes_____ No_____

3. Successful Test with Massachusetts (210) Yes_____ No_____

   Callback from Massachusetts successful Yes_____ No_____

4. Successful Group Call Test with VT/NH/MA(111) Yes_____ No_____

5. If the test is unsuccessful, note the nature of the discrepancy and the individuals, and agencies contacted.

_____

_____

_____

B. NRC ENS Phone Test

1. Successful Test with the NRC Yes_____ No_____

2. Callback from the NRC successful Yes_____ No_____

3. If unsuccessful, report the loss as directed per AP 0156.

C. Southwest Fire Mutual Aid and Tri-State Mutual Aid Radio Tests

1. Successful test with Keene Dispatcher Yes_____ No_____

2. Successful test with Shelburne Dispatcher Yes_____ No_____

I/C Department notified of the following discrepancies:_____

_____

_____

D. Emergency Alert and Emergency Evacuation Alarms

1. Emergency Alert Alarm Test Heard by Auxiliary Operators
Yes_____ No_____

2. I/C Department notified of the following discrepancies:

_____

_____

_____

Testing Performed By_____/_____
Operator (Print/Sign) Date

Reviewed By_____/_____
Shift Supervisor (Print/Sign) Date

Reviewed By_____/_____
EPC (Print/Sign) Date

EMERGENCY EQUIPMENT CHECKLIST

ITEMS	INITIALS	
I. Outer Gate Guardhouse		
A. Inspect respirators (6) (as per DP 4579)	_____	
1. Check expiration date on filter canisters (6)	_____	(Exp. date) _____
2. Check particulate canisters (6)	_____	
3. VYDPF 4579.04 completed and submitted for review	_____	
B. Mobile UHF System Base Radio Station (Located in locked section of Gate 1)	_____	

Performed by: _____ Date: _____
(Print/Sign)

II. Emergency Operations Facility (EOF) - Brattleboro

A. Emergency Equipment Cabinet #1 for use by the Site Recovery Manager

1. Emergency Plan (Copy #12)	_____	
2. Emergency Plan Implementing Procedures (Copy #35)	_____	
3. PP 7011, Vermont Yankee Fire Protection and Appendix R Program (Copy #18)	_____	Rev. _____ / DI/LPC# _____
4. Status Forms Book/SRM Manual	_____	
5. YA-NOG-9101, Procedure for Operation of the Nuclear Alert System (NAS) (In SRM Manual/Status Forms Book)	_____	Rev. _____ / DI/LPC# _____

NOTE

Operability of the FTS and NAS phones is checked by Emergency Planning using VYOPF 3506.08.

6. Telephones: (Wall Mounted except where noted)	#1 (NAS)	_____	(Cabinet 1)
	#5	_____	(Room 126)
	#6	_____	(Cabinet 1)
	#19	_____	(Room 126)
	#20	_____	(Room 126)
	#21 (Powerfail)	_____	(SRM Office)
	#22	_____	(SRM Office)
	#33	_____	(Room 126)

ITEMS	INITIALS
#39	_____ (SRM Office)
#40	_____ (Room 126)
#41	_____ (Room 126)
#61	_____ (Room 126)
#69 (FTS)	_____ (Room 126)
#70 (FTS)	_____ (Room 126)
#75 (FTS)	_____ (SRM Office)
#87	_____ (SRM Office)
#88	_____ (SRM Office)
7. Primary Auto Ring Down Phone and EASA-PHONE speaker. Use to contact Control Room.(#3)	_____ (SRM Office)
8. Alternate Auto Ring Down Phone and EASA-PHONE speaker. Use to contact Control Room.(#3A)	_____ (SRM Office)
9. Vermont Yankee Mini-Prints. (Copy #41)	_____
10. INPO Emergency Resources Manual (2)	_____
11. State of Vermont Radiological Emergency Response Plan (1)	_____
12. NRC Region I Incident Response Plan (Vols 1 & 2) (Uncontrolled)	_____
13. VY Tech. Specs. (Copy #25)	_____
14. State of New Hampshire Emergency Response Plan (1) (Controlled Copy #227)	_____
15. DE&S Emergency Support Plan (Copy #33)	_____
16. Technical Guidelines for EAL Categories & Events (Copy #4)	_____
17. North American Emergency Response Guidebook	_____
18. Emergency Operating Procedures (Hard Cards EOP1-EOP6)	_____
19. Large EAL sheets from AP 3125	_____
20. State Advisor Reference Book	_____

ITEMS	INITIALS
21. SAM RPV Cutaway Operator Aid (In front of PP 7019 Binder)	_____
22. PP 7019, Severe Accident Management Program (Controlled Copy #5)	_____
23. Sealed box of non-time critical items	_____
If not sealed, inventory contents, ensure the following are available and reseal.	
Site Recovery Manager's Log	
Site Recovery Manager Team Badges	
NRC Response Team Badges	
ENS Telephone Headset	

B. Emergency Equipment Cabinet #2 for Use By the EOF Coordinator

1.	Emergency Plan (Controlled Copy #8)	_____	
2.	Emergency Plan Implementing Procedures (Controlled Copy #34)	_____	
3.	EOF Coordinator's Clipboard and Notepad	_____	
4.	Personnel Monitoring Teams Clipboard and Logbook	_____	
5.	Manpower and Planning Clipboard with Notepad	_____	
6.	VYP:317, Purchase Order Processing Procedure	_____	Date_____
7.	EOF Coordinators Log	_____	
8.	Telephones: #7 (Fax)	_____	(Cabinet 2)
	#8 (Fax)	_____	(Cabinet 2)
	#23	_____	(Room 125)
	#24	_____	(Room 125)
	#29 (Power Fail Phone)	_____	(EOFC Office)
	#30	_____	(EOFC Office)
9.	UFSAR (Controlled Copy #22)	_____	
10.	Status Forms Book	_____	
11.	Fax machines (3)	_____	

ITEMS	INITIALS

C. Emergency Equipment Cabinet #3 for Use By the Radiological Supervisor

1.	Off-Site Team Road Maps		_____	
2.	Emergency Plan (Controlled Copy #30)		_____	
3.	Emergency Plan Implementing Procedures (Controlled Copy #38)		_____	
4.	Guidelines for Projection of Potential Radioactive Material Release During an Emergency		_____	
5.	Status Forms Book (2)		_____	
6.	Telephones: (Wall Mounted)	#11	_____	(Room 122)
		#25	_____	(Room 122)
		#27	_____	(Room 121)
		#71 (FTS)	_____	(Room 122)
		#72 (FTS)	_____	(Room 122)
		#76 (FTS)	_____	(Room 122)
		#79	_____	(Room 122)
7.	Potassium Iodide (KI)			
	a. Check expiration date		_____	(Exp. date) _____
8.	METPAC floppy disks (3)		_____	
9.	METPAC User Manual & Technical Description (verison 5.4)		_____	

EMERGENCY EQUIPMENT CHECKLIST (Continued)

ITEMS	INITIALS	
10. Sealed box of non-time critical items	_____	
If not sealed, inventory contents, ensure the following are available and reseal.		
Emergency Notepad		
Radiological Health Handbook		
Rad Supervisor's Clipboard		
Stapler w/staples		
In/Out Trays (4)		
Distribution Trays (7)		
Redi-Letter Speed Sets (1 box)		
HPN Telephone Headset		
11. "What If" Dose Projection stamp	_____	
12. Inspect respirators (12) per DP 4579.	_____	
a. Check expiration date on filter canisters (12).	_____	(Exp. date) _____
b. Complete VYDPF 4579.04 and submit for review.	_____	
13. VYOPF 4533.01, Air Sample Forms (in status forms book)	_____	Rev. _____ / DI/LPC# _____

ITEMS	INITIALS
14. Sealed box of non-time critical items If not sealed, inventory contents, ensure the following are available and reseal. One (1) Box Air Sampler Filters (50 mm) Ten (10) Air Sampler Charcoal Cartridges Six (6) Air Sampler Environmental Cartridges Twelve (12) Small Poly 23 ml Bottles Eight (8) Large Poly Bottles Twelve (12) Medium Poly Bags Thirty-four (34) Small Poly Bags Nine (9) Two Dram Vials 10 Mile EPZ Maps (2) Radiological Health Handbook Ten (10) Silver Zeolite Air Sample Cartridges (Sealed in plastic) Emergency Notepad Redi-Letter Speed Sets (1 box) Preprinted Magnetic Labels for Off-Site Teams (team, time, location, air code, and dose rate)	_____

ITEMS	INITIALS

D. Room #128 for Use By Nuclear Regulatory Commission (NRC) Emergency Response Personnel

> **NOTE**
>
> The Fax machine will be brought to the facility by NRC emergency responders.

1. Telephones: (Wall Mounted unless other wise specified)

#9	_____	(Plastic Tub)
#13	_____	(Room 127)
#16	_____	
#17	_____	
#18	_____	
#62	_____	
#63 (2)	_____	(Room 127)
#65	_____	
#73 (FTS)	_____	
#74	_____	
#81 (Spare) (No jack assigned)	_____	(Plastic Tub)
#89	_____	
#90	_____	

E. Emergency Equipment Cabinet #4

1. Low Volume Air Sampler (1) _____
   a. Calibration Up-to-Date _____ (Calib. due date) _____
   b. Operational Check _____
   c. Left with fresh paper and cartridge in holder. _____
2. "Bull Horn" (1) _____
   a. Operational Check _____
3. Electrical Extension Cords (3) _____
4. Dosimeter Charger (1) Check OK _____
5. High Range Dosimeters (20) _____
   a. Calibration Up-To-Date _____ (Calib. due date) _____

ITEMS	INITIALS	
6. Gamma Dose Rate Meter (2)	_____	
a. Battery Check OK	_____	
b. Calibration Up-To-Date	_____	(Calib. due date) _____
7. Administrative Supplies (pens, pencils, etc.)	_____	
8. Flashlights (12)	_____	
9. Batteries (12)	_____	
10. Check Source (Strength >1 mR/hr but <4 mR/hr)	_____	
11. Telephones: (mounted in Chem. & Sample Analysis Lab)		
#14	_____	(Room 120)
#15	_____	(Room 120)
12. SAM-II Ba-133 Source	_____	

F. The following equipment is located in the Sprinkler Room of the Training Center:

1. Sealed decontamination barrel containing non-time critical items _____

   If not sealed, inventory contents, ensure the following are available, and reseal.

   a. Towels (12)
   b. Face Cloths (12)
   c. Decon Soap (3)
   d. Plastic Bags (12)
   e. Poly 6 ml x 6' x 100' (1 roll)
   f. Paper Towels (5 boxes)
   g. Scissors (1 pair)
   h. Blotter Paper (3 10' sections)
   i. Masking Tape (5 rolls)
   j. Cloth Gloves (2 bundles)
   k. Surgeons Gloves (1 box)
   l. Plastic Basins (3)
   m. Scrub Brushes (12)
   n. "Radioactive Material" Tape (2 rolls)
   o. Paper Suits (10 pair)

EMERGENCY EQUIPMENT CHECKLIST (Continued)

	ITEMS	INITIALS
2.	RP 0537, Contamination Events	_____ Rev. _____ / DI/LPC# _____
3.	(1) VY Emergency Off-Site Dose Rate Nomogram #1	_____ #1
4.	(4) EAL Charts - AP 3125 #2	_____ #2
5.	(1) 10 Mile EPZ Maps #3	_____ #3
6.	(1) Area Map/Dispersion "Wheel" #4	_____ #4
7.	(1) Plant Parameter Status Board #5	_____ #5
8.	(1) Dose Assessment Board #6	_____ #6
9.	(1) Field Sample Thyroid Dose Nomogram #7	_____ #7
10.	(1) Air Sample Codes for I-131 Air Concentrations #8	_____ #8
11.	(1) 50 Mile Ingestion Pathway Map #9	_____ #9
12.	(1) Assignment Tag Board (Tag board located behind Training Security desk) #10	_____ #10
13.	Manpower and Planning Assistant Status Boards 1 and 2 #11A and #11B	_____#11A_____#11B
14.	(1) Emergency Operations Facility Organization #12	_____#12
15.	(1) Vermont Yankee Emergency Management Organization #13	_____#13
16.	RM-14 with HP-210 Probe (2)	_____
	a. Battery Check OK	_____
	b. Calibration Up-To-Date	_____ (Calib. due date) _____
17.	UHF Radio Transmitter/Receiver Systems (2)	_____
18.	Wireless Headset (charging) for VY use NRC FTS HPN Phone	_____

ITEMS INITIALS

G. Miscellaneous Items

1. Test communications with New York State Emergency Management Office by dialing 1-518-457-2200 (backup 518-457-6811). Advise of the test and record name of NY State Official contacted.

_____
(NY State Official)

2. Test data line for Dose Tracking System - Ingress. Perform the following steps for system operability: _____

   a. Obtain a DEC terminal.

   b. Plug terminal to wall module, jack #28, located in Rad Assessment Area. Turn on.

   c. The system is ready to operate:

      1) Press the <RETURN> key and type in your CVAX account name and password ID.

      2) At the $, type in "SET HOST HIS" and press the <RETURN> key.

      3) Type in RWP1 account name and password ID.

      4) At the menu, the HIS is ready for access.

      5) To log-off the HIS, at the menu:

         a) select the EXIT option and press the <RETURN> key,

         b) at the $, type LO, and press the <RETURN> key to get off the CVAX computer.

   d. Return DEC terminal to original location.

3. METPAC PC System operational. _____

   a. Log onto the system and record METPAC version. _____ METPAC Version: _____

4. SAM-II - Perform source check per DP 4562 to verify proper operation (source is located in Cabinet #4, EOF). _____ (Calib. due date) _____

5. Recovery planning boards on wall in SRM office (2). _____

Performed by: _____ Date: _____
(Print/Sign)

ITEMS	INITIALS	
II. OSC Equipment		
A. General Material		
1. Status Forms File Drawer	_____	
2. OSC blank forms updated	_____	
3. High Range Dosimeters (13)	_____	
a. Calibration up-to-date	_____	(Calib. due date) _____
b. Dosimeter charger operational check	_____	
4. SAM-2 - Perform source check per DP 4562 to verify proper operation (source is located in RP Checkpoint source locker)	_____	(Calib. due date) _____
5. Potassium Iodide (KI)		
a. Check expiration date	_____	(Exp. date) _____
6. OSC Phone Jacks (ER981874_02)		
#11 _____		
#27 _____		
#55 _____		
B. Site Boundary Team Kit		
1. Site Boundary clipboard	_____	
a. Implementing procedure checklist (OP 3510) (2 copies) Current Rev. #_____ DI/LPC#_____	_____	Rev. _____ / DI/LPC# _____
b. Paper pad	_____	
2. High range dosimeters (4)	_____	
a. Calibration up-to-date	_____	(Calib. due date) _____
b. Dosimeter charger operational check	_____	
3. Check Source	_____	
a. Strength >1 mR/hr. and <4mR/hr	_____	
4. Stopwatch	_____	
a. Operational check		

EMERGENCY EQUIPMENT CHECKLIST (Continued)

ITEMS	INITIALS	
5. Air Sampler		
a. Operational check (run for about 3 min.)	_____	(Calib. due date) _____
b. Left with fresh filter paper and cartridge in holders	_____	
c. Battery on charger	_____	
6. Flashlight (1) operational check	_____	
7. Gamma Dose Rate Meter	_____	(Calib. due date) _____
a. Battery check sat	_____	
8. Batteries "D" cells (2)	_____	
9. RM-14/HP-210		
a. Battery Check OK	_____	
b. Calibration up-to-date	_____	(Calib. due date) _____
10. Sealed container of non-time critical items	_____	
If not sealed, inventory contents, ensure the following are available, and reseal.		
Filter paper, air sample (1 box)		
Parafilm		
Tweezers (1 pair)		
Surgeons gloves (1 box)		
Charcoal filter cartridges (6)		
Ten (10) Silver zeolite cartridges (sealed in plastic)		
Pencils (approx. 4)		
Filter/Cartridge Collection envelopes (6)		

ITEMS	INITIALS			
C. Off-Site Emergency Kits		Kit 1 (BLUE)	Kit 2 (GREEN)	Kit 3 (BLACK)

NOTE

During an emergency, off-site teams will be issued portable radios in accordance with procedure OP 3504, "Emergency Communications".

1.	Implementing procedure checklist (OP 3510) (3 copies each)		Rev.___	Rev.___	Rev.___
	Current Rev. #_____	_____	_____	_____	_____
	DI/LPC#_____	_____	_____	_____	_____
2.	High range dosimeters (4)	_____	_____	_____	_____
	a. Calibration date	_____	_____	_____	_____
	b. Dosimeter charger - operational check	_____	_____	_____	_____
3.	Check Source	_____	_____	_____	_____
	a. Strength >1mR/hr. and <4mR/hr	_____	_____	_____	_____
4.	Stopwatch	_____	_____	_____	_____
	a. Operational check	_____	_____	_____	_____
5.	Air Sampler				
	a. Operational check (run for about 3 mins.)	_____	_____	_____	_____
	b. Calibration Due Date	_____	_____	_____ Calib. Due Date	_____
	c. Left with fresh filter paper and cartridge in holders	_____	_____	_____	_____
	d. Battery on charger (1) (used for operational checks)	_____			
6.	RM-14 HP/210 probe				
	a. Battery check OK	_____	_____	_____	_____
	b. Calibration up-to-date	_____	_____	_____ Calib. Due Date	_____
7.	Gamma Dose Rate Meter				
	a. Battery check OK	_____	_____	_____	_____
	b. Calibration up-to-date	_____	_____	_____ Calib. Due Date	_____

ITEMS	INITIALS			
		Kit 1 (BLUE)	Kit 2 (GREEN)	Kit 3 (BLACK)
8. Flashlights (2) operational check	_____	_____	_____	_____
9. Batteries "D" cells (6)	_____	_____	_____	_____
10. Sealed container of non-time critical items	_____	_____	_____	_____
If not sealed, inventory contents, ensure the following are available, and reseal.				
Poly bottles (3)				
Poly bags (3)				
Smear paper (1 box)				
Activated charcoal filter cartridges (6)				
Ten (10) Silver zeolite cartridges (sealed in plastic)				
Marking pen (approx. 4)				
Screwdriver				
Keys to Envir. Stations				
Filter/Cartridge Collection envelopes (6)				
Off-Site Team Clipboard				
Paper pad				
Filter paper, air sample (1 box)				
Parafilm				
Tweezers (1 pair)				
Surgeons gloves (1 box)				
D. Inspect respirators (16) per DP 4579	_____			
1. Check expiration date on filter canisters (16)	_____			
2. VYDPF 4579.04 completed and submitted for review	_____			
E. All equipment and materials returned to the kits and the kits sealed	_____			

ITEMS	INITIALS	
F. OSC Dosimetry Kit (at Checkpoint)		
1. Dosimeters		
a. 20 Self Reading Dosimeters (SRDs)	_____	
b. 1 SRD Charger (AC)	_____	
c. 10 TLDs	_____	
d. 2 TLD Controls	_____	
e. 6 Extremity TLDs	_____	
f. 2 Extremity Controls	_____	
2. Procedures		
a. AP 0506, Personnel Monitoring	_____	Rev. /DI/LPC#
b. AP 0525, Dosimetry Processing	_____	Rev. /DI/LPC#
c. AP 0546, Planned Special Exposure	_____	Rev. /DI/LPC#
d. OP 3507, Emergency Radiation Exposure Control	_____	Rev. /DI/LPC#
e. General Access RWP	_____	
3. Forms		
a. NRC Form 4	_____	
b. Exposure History Release Forms	_____	
c. VYAPF 0525.06, Pregnant Woman Declaration Form	_____	Rev. /DI/LPC#
d. VYAPF 0506.08, Multibadge TLD Location Form	_____	Rev. /DI/LPC#
e. VYOPF 3507.01, Personnel Exposure Log	_____	Rev. /DI/LPC#
f. VYAPF 0506.07, Administration Radiation Exposure Control Change Request	_____	Rev. /DI/LPC#
g. VYAPF 0525.09, Lost, Damaged or Misused Dosimetry Report	_____	Rev. /DI/LPC#

ITEMS	INITIALS	
h. VYAPF 0525.08, Visitor/Tour Member Logsheet	_____	Rev. _____ /DI/LPC# _____
i. VYAPF 0896.01, PADs Consent Form	_____	Rev. _____ /DI/LPC# _____
j. VYAPF 0525.07, Reg. Guide 8.13 Logsheet	_____	Rev. _____ /DI/LPC# _____
k. VYAPF 0525.11, RWP Sign-In Sheet	_____	Rev. _____ /DI/LPC# _____

Performed by: _____ Date: _____
(Print/Sign)

IV. Inner Gatehouse

A. General Equipment

1. RM-14 with HP 210 probe (this can be standby unit for portal monitor)	_____	
a. Battery check OK	_____	
b. Calibration up-to-date	_____	(Calib. due date) _____
2. Inspect respirators (6) as per DP 4579		
a. Check expiration date on filter canisters	_____	(Exp. date) _____
b. Check particulate canisters	_____	(Exp. date) _____
c. VYDPF 4579.04 completed and submitted for review	_____	
3. Verify with Security that a minimum of five (5) bag radios are available for use	_____	

B. Security Site Boundary Team Kit

1. Gamma Dose Rate Meter	_____	
a. Battery check OK	_____	
b. Calibration up-to-date	_____	(Calib. due date) _____
2. Air Sampler	_____	(Calib. due date) _____
a. Operational check (run for about 3 min.)	_____	
b. Left with fresh filter paper and cartridge in holders	_____	
c. Battery on charger	_____	

ITEMS	INITIALS	
3. Stopwatch	_____	
a. Operational check	_____	
4. OP 3510 Current Rev. #____ DI/LPC#_____	_____	Rev._____ / DI/LPC#_____
5. Batteries "D" cells (6)	_____	
6. Flashlight (1) operational check	_____	
7. High range dosimeters (10)	_____	(Calib. due date)_____
8. Check source	_____	
a. Strength >1mR/hr. and <4mR/hr	_____	
9. Sealed box of non-time critical items	_____	
If not sealed, inventory contents, ensure the following are available, and reseal.		
Filter papers (1 box)		
Charcoal cartridges (6)		
Ten (10) Silver zeolite cartridges (sealed in plastic)		
Tweezers (1 pair)		
Surgeons gloves (1 box)		
Filter/Cartridge Collection envelopes (6)		

Performed by:_____ Date:_____
(Print/Sign)

V. Main Control Room

A. General Equipment

1. Area Map/Dispersion "wheel"	_____	
2. High range dosimeters (5)	_____	
a. Calibration up-to-date	_____	(Calib. due date)_____
b. Dosimeter charger operational check	_____	
3. Potassium iodide (KI)		
a. Check expiration date	_____	(Exp. date)_____
4. Emergency Plan	_____	

ITEMS | INITIALS

5. Emergency Plan Implementing Procedures _____

6. Emergency Logbook _____

7. Status Forms Drawer _____

8. SAM RPV Cutaway Operator Aid _____

B. Inspect Scott-Pacs (6) (as per DP 4579) _____

1. VYDPF 4579.01 completed and submitted for review _____

Performed by: _____ Date: _____
(Print/Sign)

VI. Technical Support Center

A. General Equipment

1. Emergency Plan _____

2. Emergency Plan Implementing Procedures _____

3. Status Forms Book _____

4. VYOPF 4533.01, Air Sample Form (6) _____ Rev. _____ / DI/LPC# _____

5. Offsite Dose Rate Nomogram _____

6. Mobile UHF System Base Radio Station _____

7. Area Map/Dispersion "Wheel" _____

NOTE

The FTS phones are stored in the EP cabinet in the TSC Communications Room, and are plugged into the appropriate wall jacks in the Computer User's Room, TSC Communications Room, and the NRC front office (see Figure 4 of OP 3504).

8. FTS Telephones:

	#39	_____
(wall mounted)	#40	_____
(wall mounted)	#41	_____
(wall mounted)	#42	_____
	#43	_____
	#44	_____
	#45	_____
	#47	_____

ITEMS		INITIALS	
9. TSC Phone Jacks (ER981874_02)			
	#18	_____	
	#21	_____	
	#22	_____	
(wall mounted)	#26	_____	
(wall mounted)	#27	_____	
	#28	_____	
	#29	_____	
	#34	_____	
10. Gamma dose rate meter		_____	(Calib. due date) _____
11. RM-14 with HP 210 probe (1)		_____	(Calib. due date) _____
12. Air sampler, low volume, with charcoal cartridge (1)		_____	(Calib. due date) _____
a. Operational Check		_____	
b. Left with fresh filter paper and cartridge in holder		_____	
13. High range dosimeter (4)		_____	(Calib. due date) _____
14. Inspect respirators (4) (as per DP 4579)		_____	
a. Check expiration date on filter canisters		_____	(Exp. date) _____
b. VYDPF 4579.04 completed and submitted for review		_____	
15. Potassium iodide (KI)			
a. Check expiration date		_____	(Exp. date) _____
16. Perform a functional test on four (4) RM-16's		_____	
17. Check cal-due date on TSC Cam		_____	(Calib. due date) _____
18. Check TSC Cam for chart paper		_____	
19. Check the TSC Cam for filter paper and charcoal cartridge (refer to DP 2521).		_____	
20. Turn on the TSC Cam and perform the daily operational checks per DP 2521.		_____	
a. If any problems are identified, correct the deficiency and notify the RP Supervisor (instruments).		_____	

ITEMS	INITIALS
21. Restore the TSC Cam to standby status.	_____
22. Dosimeter charger operational check	_____
23. Contact Lists (2)	_____
24. North American Emergency Response Guidebook	_____
25. SAM RPV Cutaway Operator Aid	_____
26. PP 7019, Severe Accident Management Program (2)	_____
27. Sealed container of non-time critical items	_____
If not sealed, inventory contents, ensure the following are available, and reseal.	
Charcoal filter cartridges (6)	
Six (6) Silver zeolite (sealed in plastic)	
Filter paper, air sample (1 box)	
Tweezers (1 pair)	
Surgeons gloves (1 box)	
Smear papers (1 box)	
TSC Primary Position Title Tags	
ENS and HPN Telephone Headsets	
TSC Logbook	

Performed by:_____ Date:_____
(Print/Sign)

VII. Governor Hunt House Monitoring Kit (Located at OSC)

A. GHH clipboard

1. Implementing procedure checklist (OP 3510) (2 copies)	
Current Rev. #____ DI/LPC#_____	_____ Rev._____ / DI/LPC#_____

EMERGENCY EQUIPMENT CHECKLIST (Continued)

ITEMS	INITIALS

B. Sealed kit containing non-time critical items _____

If not sealed, inventory contents, ensure the following are available and reseal.

Check source (strength >1 mR/hr and <4 mR/hr)

Personnel Monitoring Passes (75)

Maps to the EOF/RC (30)

Hooded paper coveralls (10)

Plastic shoe covers (15 pairs)

Cloth gloves (24 pairs)

Pens (1 box)

C. RM-14 HP/210 Probe (2) _____ _____

1. Battery check OK _____ _____

2. Calibration up-to-date

Calib. Due Date: _____ _____

Performed By_____ Date:_____
RP Technician (Print/Sign)

Discrepancies or Comments:

_____

_____

_____

Reviewed By_____/_____
RP Supervisor (Print/Sign) Date

Approved By_____/_____
EPC (Print/Sign) Date

BRATTLEBORO MEMORIAL HOSPITAL EMERGENCY EQUIPMENT CHECKLIST

Date_____

Directions: Initial inventoried items and note comments in the righthand column. Replace equipment as required.

Item		Initials	
1.	Instruments and Dosimetry		
	a. Gamma Dose Rate Survey Meter		
	1) Instrument VY #_____	_____	_____ (Calib. due date)
	2) Battery test	_____	
	b. Beta/Gamma Monitor, RM-14 w/probe (HP210). VY #_____	_____	_____ (Calib. due date)
	1) Battery test	_____	
	c. 0-500 mR Self-reading pocket dosimeters (10).	_____	_____ (Calib. due date)
	d. Thermoluminescent dosimeters (10).	_____	_____ (Calib. due date)
	e. Dosimeter Charger	_____	
	1) Check operability.	_____	
	f. The Vinton ring dosimeters (10)	_____	
	g. Check Source (located at Nurse's Station)	_____	
2.	Procedures		
	a. Brattleboro Memorial Hospital Radiologically Contaminated Casualty Protocol (2)	_____	
	b. OP 3508, On-Site Medical Emergency Procedure	_____	Rev._____ / DI/LPC#_____
	Current Rev. #_____		
	DI/LPC#_____		
3.	Lead container for high activity samples	_____	
4.	Packaged disposable table top with inflatable water containers	_____	
5.	Equipment and Supplies		
	a. Herculite Floor Covering	_____	
	b. 2-inch Masking tape (4 rolls)	_____	
	c. Signs "Caution - Radiation Area" (4)	_____	
	d. Radioactive Material Tags	_____	

Item		Initials
e.	Barrier tape (1 roll)	_____
f.	Step-off pads (2)	_____
g.	Yellow 30 gal. drum (1)	_____
h.	Hose for table top drain	_____

Performed By_____ / _____
RP Technician (Print/Sign) Date

Discrepancies or Comments:

Reviewed By_____ / _____
RP Supervisor (Print/Sign) Date

Approved By_____ / _____
EPC (Print/Sign) Date

CHEMISTRY EMERGENCY EQUIPMENT READINESS CHECK

		Initials
I.	Liquid PASS Sampling Kit (Chemistry Lab)	
A.	6 syringes with 1.5 inch needles (3 cc)	_____
B.	1 syringe shield	_____
C.	12 offgas vials with stoppers	_____
D.	12 two-dram vials	_____
E.	One 500 ml. graduated cylinder (located at PAS panel or Chem Lab)	_____
F.	1 vacuum gauge with needle	_____
G.	10 spare offgas vial stoppers	_____
H.	Large and small tongs	_____
I.	Flashlight w/batteries (functional)	_____
J.	2 plastic bags for RB 303' samples	_____
II.	Plant Vent Stack PASS Sampling Kit	
A.	Spare panel needle	_____
B.	2 inline cartridge holders in kit	_____
C.	1 box of glass fiber filter paper (minimum of 10 filters)	_____
D.	12 envelopes for air samples	_____
E.	15 silver zeolite cartridges, sealed in plastic	_____
F.	6 CP-100 Charcoal Cartridges	_____
G.	12 offgas vials with stoppers	_____
H.	1 vacuum pump with needle	_____
I.	1 shield for syringe	_____
J.	5 copies of VYOPF 2611.03 and 10 copies of VYOPF 2611.04 in the current revision	_____
K.	Large tongs	_____

CHEMISTRY EMERGENCY EQUIPMENT READINESS CHECK (Continued)

Initials

L. 10 copies each of VYOPF 3534.01 and VYOPF 3534.02 in the current revision _____

M. Flashlight w/batteries - Functional Check _____

N. 2 wrenches for PAS needle changeout _____

O. 9 3cc syringes w/needles _____

P. 1 inline cartridge holder installed at Stack _____

Q. 1 gas marinelli _____

III. Lead Shield "Pigs"

A. One lead brick with cutouts for liquid samples _____

B. Two lead "pigs" with handles at the Plant Vent Stack Base. _____

Performed By_____/_____
Chemistry Technician (Print/Sign) Date

Discrepancies or comments:

_____

_____

_____

_____

_____

_____

Reviewed By_____/_____
Chemistry Supervision (Print/Sign) Date

Approved By_____/_____
EPC (Print/Sign) Date

POST-ACCIDENT SAMPLING KITS (RP)

ITEMS	INITIALS	REMARKS
I. Containment Sampling (RP Checkpoint)		
A. 6 - syringes	_____	
B. 1 - syringe shield	_____	
C. 3 - sample bombs w/stoppers	_____	
D. 6 - spare vial stoppers	_____	
E. 12 - offgas vials w/stoppers	_____	
F. 2 - male quick connects	_____	
G. 1 - vacuum gauge w/needle	_____	
H. 1 - 5 cc syringe	_____	
I. High range dosimeters (3)	_____	(Calib. due date)_____
J. Large tongs	_____	
II. Miscellaneous Lead Shields (to be used in Post-Accident Sampling)		
A. Two shields for containment sample bombs (located on platform in radwaste hallway)	_____	

Performed By_____/_____
RP Technician (Print/Sign) Date

Discrepancies or Comments:

_____

_____

_____

_____

_____

_____

Reviewed By_____/_____
RP Supervisor (Print/Sign) Date

Approved By_____/_____
EPC (Print/Sign) Date

PROCEDURE / FORM COPY UPDATE WORKSHEET

PROCEDURE/FORM			BRATTLEBORO LOCATIONS					VERNON LOCATIONS			
No.	Rev.	DI #	#1	#2	#3	#4	S. Rm	TSC	OSC	KITS	Gate II
0506									•		
0506.07									•		
0506.08									•		
0525									•		
0525.06									•		
0525.07									•		
0525.08									•		
0525.09									•		
0537							•				
0546									•		
0896.01									•		
3507											•
3507.01											•
3510										•	•
4533.01							•		•		
7011			•								
7019			•					•			

TSC/EOF FTS AND NAS PHONE CHECKLIST

A. Emergency Operations Facility - Brattleboro

1. Test NRC FTS Phones

Since all the FTS phones use the same telephone number(s) to contact the NRC Operations Center in Rockville, MD, the ENS phone is tested first to verify the operability of the circuit between Brattleboro and Rockville. The remaining FTS phones can be tested without contacting the NRC Operations Center.

a. ENS

Test the Brattleboro NRC FTS ENS line by using phone (#75) in the Site Recovery Manager's Room, and implementing the following steps:

1) Lift the receiver and listen for the dial tone.

2) After receiving a dial tone, dial the first number listed below (or on the sticker located on the telephone base) using all 11 digits. If the first number is busy, proceed on with the second number.

1-301-816-5100
1-301-951-0550
1-301-415-0550

3) State your name, location, and the fact that you are testing the Brattleboro EOF/RC ENS. Request that the NRC staff member call back at 700-661[redacted].

4) Results Date:_____

Successful call to the NRC: YES_____ NO_____

NRC Contact:_____ Time:_____

Successful callback from the NRC: YES_____ NO_____

NRC Contact:_____ Time:_____

5) If not completely successful in Step 4), notify the Control Room immediately.

b. Other NRC FTS Phones

The remaining FTS phones in Brattleboro are tested by calling each FTS phone from a different FTS phone.

2. Test Nuclear Alert System (NAS) Orange Phone:

a. Place a call to each of the three states NAS extensions as specified below, requesting a call back to ensure system operability.

SRM Office (NAS #1, Ext. 511) Date:_____

Call Out:			Return Call:		
Time_____			Time_____		
VT (213)_____	Contact	Initials	VT _____	Contact	Initials
NH (212)_____	Contact	Initials	NH _____	Contact	Initials
MA (210)_____	Contact	Initials	MA _____	Contact	Initials

States Room (NAS #2, Ext. 411) Date:_____

Call Out:			Return Call:		
Time_____			Time_____		
VT (213)_____	Contact	Initials	VT _____	Contact	Initials
NH (212)_____	Contact	Initials	NH _____	Contact	Initials
MA (210)_____	Contact	Initials	MA _____	Contact	Initials

3. Test performed by:_____/_____
(Print/Sign) Date

B. Technical Support Center - Vernon

1. Test NRC FTS Phones

Since all the FTS phones use the same telephone number(s) to contact the NRC Operations Center in Rockville, MD, the ENS phone is tested first to verify the operability of the circuit between Vernon and Rockville. The remaining FTS phones can be tested without contacting the NRC Operations Center.

a. ENS

Test the Vernon NRC FTS ENS line by using phone (#41) in the TSC Communications Room, and implementing the following steps:

1) Lift the receiver and listen for the dial tone.

2) After receiving a dial tone, dial the first number listed below (or on the sticker located on the telephone base) using all 11 digits. If the first number is busy, proceed on with the second number.

1-301-816-5100
1-301-951-0550
1-301-415-0550

3) State your name, location, and the fact that you are testing the Vernon ENS. Request that the NRC staff member call back at 700-661-[redacted].

4) Results Date:_____

Successful call to the NRC: YES_____ NO_____

NRC Contact:_____ Time:_____

Successful callback from the NRC: YES_____ NO_____

NRC Contact:_____ Time:_____

5) If not completely successful in Step 4), notify the Control Room immediately.

b. Other NRC FTS Phones

The remaining FTS phones in Vernon are tested by calling each FTS phone from a different FTS phone.

2. Test performed by: _____ / _____
(Print/Sign) Date

Approved by: _____ / _____
EPC (Print/Sign) Date

EOF EMERGENCY PLAN IMPLEMENTING PROCEDURES AND
STATUS FORMS BOOK UPDATE

Change #_____

A. Emergency Equipment Cabinet #1 for use by the Site Recovery Manager

1. Update Emergency Plan Implementing Procedures per the Procedure Change Memo _____ Initials

2. Update status forms book for any changes to the following:

a. AP 3125, Emergency Plan Classification and Action Level Scheme _____ Initials

(4 large copies of appendices for Sprinkler Room) _____ Initials

b. OP 3511, Off-Site Protective Action Recommendations _____ Initials

c. VYOPF 3511.01, Protective Action Recommendation Worksheet _____ Initials

d. VYOPF 3546.02, Emergency Classification and PAR Notification Form _____ Initials

e. VYOPF 3546.01, Plant Status Briefing Form _____ Initials

B. Emergency Equipment Cabinet #2 for use by the EOF Coordinator

1. Update Emergency Plan Implementing Procedures per the Procedure Change Memo _____ Initials

2. Update status forms book for any changes to the following:

a. VYOPF 3542.01, Personnel Accountability Log _____ Initials

b. VYOPF 3504.02, Plant Parameters _____ Initials

c. OP 3511, Off-Site Protective Action Recommendations _____ Initials

d. VYOPF 3511.01, Protective Action Recommendation Worksheet _____ Initials

C. Emergency Equipment Cabinet #3 for use by the Radiological Supervisor

1. Update Emergency Plan Implementing Procedures per the Procedure Change Memo _____ Initials

2. Update status forms book for any changes to the following:

a. OP 3513, Evaluation of Off-Site Radiological Conditions _____ Initials

b. OP 3511, Off-Site Protective Action Recommendations _____ Initials

c. VYOPF 3513.01, Dose Assessment Status _____ Initials

d. VYOPF 3513.02, Isotopic Analysis _____ Initials

e. VYOPF 3513.03, Field Data Status Log _____ Initials

f. VYOPF 3513.04, Dose at Selected Locations _____ Initials

g. VYOPF 3511.01, Protective Action Recommendation Worksheet _____ Initials

h. VYOPF 3507.01, Personnel Exposure Log _____ Initials

i. VYOPF 3507.03, Potassium Iodide Administration Record _____ Initials

j. VYOPF 3504.02, Plant Parameters _____ Initials

k. VYOPF 3542.01, Personnel Accountability Log _____ Initials

D. Emergency Equipment Cabinet #4 for use by Off-Site Monitoring Team Personnel and Radiological Coordinator

1. Update status forms book for any changes to the following:

a. OP 3525, Radiological Coordination _____ Initials

b. VYOPF 3504.02, Plant Parameters _____ Initials

c. VYOPF 3513.01, Dose Assessment Status Form _____ Initials

d. VYOPF 3513.02, Isotopic Analysis _____ Initials

e. VYOPF 3513.03, Field Data Status Log _____ Initials

f. VYOPF 3513.04, Doses at Selected Locations _____ Initials

Discrepancies or Comments:_____

_____

_____

_____

Performed By_____/_____
(Print/Sign) Date

Reviewed By_____/_____
Emergency Plan Coordinator (Print/Sign) Date

OSC EMERGENCY PLAN IMPLEMENTING PROCEDURES AND
STATUS FORMS BOOK UPDATE

Change #_____

A. Update status forms book for any changes to the following:

1.	OP 3507, Emergency Radiation Exposure Control	_____ Initials
2.	OP 3544, Appendix A - Alert - Radiological Habitability Assessment	_____ Initials
3.	OP 3544,Operation of the Operations Support Center	_____ Initials
4.	VYOPF 3544.01, Emergency Conditions Radiological Assessment Form	_____ Initials
5.	VYOPF 3542.01, Personnel Accountability Log	_____ Initials
6.	VYOPF 3544.02, OSC Team Work Status Form	_____ Initials
7.	VYOPF 3507.01, Personnel Exposure Log	_____ Initials
8.	VYOPF 3507.02, Emergency Radiation Exposure Briefing/Debriefing	_____ Initials
9.	VYOPF 3507.03, Potassium Iodide Administration Record	_____ Initials
10.	VYOPF 3524.02, Initial Site Accountability Check-In Form	_____ Initials

Discrepancies or Comments:_____

_____

_____

_____

Performed By_____/_____
(Print/Sign) Date

Reviewed By_____/_____
Emergency Plan Coordinator (Print/Sign) Date

CONTROL ROOM EMERGENCY PLAN IMPLEMENTING PROCEDURES AND STATUS FORMS BOOK UPDATE

Change #_____

A. Update Emergency Plan Implementing Procedures per the Procedure Change Memo _____ Initials

B. Update status forms drawer for any changes to the following:

1. OP 3540, Control Room Actions During an Emergency _____ Initials

2. VYOPF 3504.02, Plant Parameters _____ Initials

3. VYOPF 3540.06, Emergency Classification and PAR Notification Form _____ Initials

4. VYOPF 3508.01, Medical Emergency Medical Status Record Sheet _____ Initials

5. VYOPF 3511.01, Protective Action Recommendation Worksheet _____ Initials

6. VYOPF 3504.03, Emergency Classification and PAR Notification Form _____ Initials

7. VYOPF 3508.01, Medical Emergency Medical Status Record Sheet _____ Initials

8. VYOPF 3511.01, Protective Action Recommendation Worksheet _____ Initials

9. VYOPF 3513.01, Dose Assessment Status Form _____ Initials

Discrepancies or Comments:_____

_____

_____

_____

Performed By_____ / _____
(Print/Sign) Date

Reviewed By_____ / _____
Emergency Plan Coordinator (Print/Sign) Date

TSC EMERGENCY PLAN IMPLEMENTING PROCEDURES AND
STATUS FORMS BOOK UPDATE

Change #_____

A. Update Emergency Plan Implementing Procedures per the Procedure Change Memo _____ Initials

B. Update status forms book for any changes to the following:

1. OP 3542, Operation of the Technical Support Center _____ Initials

2. VYOPF 3542, Personnel Accountability Log _____ Initials

3. VYOPF 3524.02, Initial Site Accountability Check In Form _____ Initials

4. VYOPF 3504.02, Plant Parameters _____ Initials

5. VYOPF 3540.06, Emergency Classification and PAR Notification Form _____ Initials

Discrepancies or Comments:_____

_____

_____

_____

Performed By_____/_____
(Print/Sign) Date

Reviewed By_____/_____
Emergency Plan Coordinator (Print/Sign) Date

EMERGENCY RESPONSE TELEPHONE NUMBER CHECK

A. Verify that telephone numbers listed in OP 3504, Appendix B, are accurate.

Discrepancies:

B. Verify that telephone numbers listed in AP 0156 are accurate.

Discrepancies:

C. Verify telephone numbers in the Emergency Response Telephone Directory (Tabs 2-6) are accurate.

D. Place the latest VY phone list (Tab 1) in the Emergency Response Telephone Directory.

Performed by_____ / _____
EP Staff Member (Print/Sign) Date

Approved by_____ / _____
Emergency Plan Coordinator (Print/Sign) Date

VERMONT YANKEE NUCLEAR POWER STATION

OPERATING PROCEDURE

OP 3531

REVISION 14

EMERGENCY CALL-IN METHOD

USE CLASSIFICATION: **REFERENCE**

LPC No.	Effective Date	Affected Pages

Implementation Statement: N/A

Issue Date: 08/07/01

TABLE OF CONTENTS

PURPOSE

To provide the Security Shift Supervisor (SSS) instructions for emergency response personnel notifications made when the VY Emergency Plan has been activated. This procedure also provides instruction for performing weekly tests and an annual drill to verify the adequacy of the Emergency Call-In Method.

DISCUSSION

In the event the Vermont Yankee Emergency Plan is activated by the Shift Supervisor/Plant Emergency Director (SS/PED), the Security Shift Supervisor (SSS) is responsible to initiate activation of the Emergency Call-In Method through the use of the CAN system, activate the VY pagers, call the VY Office in Brattleboro and the Plant Support Building, and activate the DE&S pagers. Section I of this procedure contains the steps the SSS should follow for notifications required during activation of the Emergency Call-In Method.

Section II describes the steps the SSS should follow if the SS/PED requests an Alternate Communicator be contacted to report to the Control Room.

Section III describes the following two means to verify the adequacy of the Vermont Yankee Emergency Call-In Method:

1. A weekly functional test of the pager system to selectively test pager performance will be conducted.

2. An annual off-hours, unannounced communications drill, using the Vermont Yankee Emergency Call-In Method, to estimate emergency personnel response times will be conducted.

Section IV describes the steps that the SSS should follow to notify the paging company that the group paging capability is out of service.

Section V describes the steps that the SSS should follow to initiate the Alternate Emergency Call-In Method for emergency response personnel call-ins and notifications if required.

ATTACHMENTS

1. VYOPF 3531.01 Weekly Pager Functional Test

REFERENCES AND COMMITMENTS

1. Technical Specifications and Site Documents

   a. VYNP Emergency Plan
   b. VYNP Implementing Procedures to the Emergency Plan

2. Codes, Standards, and Regulations

   a. NUREG 0654, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

3. Commitments

   a. None

4. Supplemental References

   a. Emergency Call-In List
   b. AP 6807, Collection, Temporary Storage and Retrieval of QA Records

PROCEDURE

I. EMERGENCY CALL-IN METHOD

NOTES

- If the initial Emergency Classification is an Unusual Event, the emergency call-in method is activated for the Unusual Event. If there are subsequent escalations in the Emergency Classification, the emergency call-in method is only activated for that first subsequent escalation in the Emergency Classification.
- If the initial Emergency Classification is an Alert or higher, the emergency call-in method is activated for that initial Emergency Classification. For any subsequent escalation in the Emergency Classification, the emergency call-in method is not activated.

A. Upon receiving notification of an Unusual Event, Unusual Event (Terminated), Alert, Site Area Emergency, or General Emergency, the SSS or designated alternate shall:

1. Activate the Emergency Call-In Notification System as follows:

   a. Contact the Community Alert Network (CAN) Operator at 9-1-800-552-[redacted].

   b. If you are connected to the CAN Hotline recording, do the following, otherwise go to Step 1.c:

      1) Provide the following message when requested:

         "This is _____, the Security Shift Supervisor at Vermont Yankee.

         My password is _____.

         My callback number is _____."

      2) Proceed to Step 1.c when CAN callback is received.

      3) If the call-back is not received in a reasonable amount of time given the current emergency circumstances, proceed to Section V to implement the Alternate Emergency Call-In Method.

c. When contact is made with the CAN Operator, implement the following steps:

1) Report the following to the CAN Operator:

"This is _____, the Security Shift Supervisor at Vermont Yankee.

(Pause approx. 5 seconds)

My password is _____

(Pause approx. 5 seconds)

My callback number is _____.

2) The CAN Operator will verify that you have activation authorization (approx. 30 seconds), and will then ask you for the **Event Type** [Select one from below]:

___Unusual Event

___Unusual Event Terminated

___Alert

___Site Area Emergency

___General Emergency

3) The CAN Operator will ask you the **Event Time** (which is the declaration time _____Hours.)

4) The CAN Operator will then tell you which of the following 800 telephone numbers should be used for pager holder call-backs:

___739-[redacted]

___794-[redacted]

___Other:_____-_____

5) Record the following:

Date_____ Time_____ Person Contacted_____

and hang up.

Initials (Security)_____

d. Activate the VY Pager System as follows:

1) Dial 9-742-[redacted]

2) After hearing the verbal prompt, dial in password 5787.

NOTE

A display of "111" is used for Unusual Event (Terminated).

3) After hearing the verbal prompt, press the buttons listed below for the appropriate Emergency Classification and pager holder call-back number (determined in Step c), and then hang up:

NOTE

XXX XXXX is the 7-digit pager holder call-back telephone no. determined in the previous step.

EMERGENCY CLASSIFICATION		BUTTONS PRESSED
Unusual Event	-	111 XXX XXXX
Alert	-	222 XXX XXXX
Site Area	-	333 XXX XXXX
General	-	444 XXX XXXX

4) If indications are received that the group paging capability is out of service, implement the emergency paging company notification specified in Section IV.

e. Contact the VY Switchboard at ext. 4011 or 9-257-5271, if staffed, and request the operator announce the emergency classification and declaration time over the office paging system.

Date_____ Time_____ Person Contacted_____

Initials:_____
(Security)

f. Contact the Plant Support Building by dialing 3999 and announcing the emergency classification and declaration time over the office paging system.

Date_____ Time_____ Initials (Security):_____

g. Activate the DE&S Personnel Pager system as follows:

1) Dial 9-1-800-366-[redacted]

2) Wait for one (1) long tone on phone and dial in code number 10597.

NOTES

- The five-digit code number activates the DE&S group call system.
- Use "14 1 #" for Unusual Event (Terminated).

3) After hearing another tone, press the buttons listed below for the appropriate Emergency classification:

UNUSUAL EVENT	-	14 1 #
ALERT	-	14 2 #
SITE AREA	-	14 3 #
GENERAL	-	14 4 #

NOTE

If the verbal closeout is not heard, repeat Steps g.1) through g.4).

1) Listen for the verbal closeout and a busy signal, and hang up. Your message has been transmitted.

h. If a CAN callback to confirm successful activation is not received within 5 minutes, call the CAN Operator at 9-1-800-552-[redacted] to determine status.

i. If indications are received from the CAN Operator that the method failed to activate, implement the Alternate Emergency Call-In Method specified in Section V.

2. After receiving CAN callback to confirm successful activation, notify the Shift Supervisor/Plant Emergency Director (SS/PED) that the Emergency Call-In Notification System has been activated.

Date_____ Time_____ Initials (Security):_____

3. Retrieve the ERO response report from the Plant Manager's FAX machine on the second floor of the Administration Building and provide to DCO/TSC Coordinator.

II. ALTERNATE COMMUNICATOR NOTIFICATION

A. If directed by the SS/PED to contact an Alternate Communicator to report to the Control Room, do the following:

1. Refer to Appendix O of the Emergency Call-In List, and call individuals in the order of priority listed.

2. Provide the following message to the first individual contacted:

"VY is in a/an [Select one from below]:

Unusual Event

___Unusual Event Terminated

___Alert

___Site Area Emergency

___General Emergency

Please report to the Control Room as an Alternate Communicator".

Date_____ Time_____ Initials (Security):_____
(Security)

III. AUGMENTATION TESTS/DRILL

A. Weekly Pager Functional Test

1. At the time specified in the Security memo, "Emergency Call-In List", the Security Shift Supervisor (SSS) shall activate the VY Pager System as follows:

   a. Dial 9-742-[redacted]

   b. After hearing the verbal prompt, dial in password 5787.

> **NOTE**
>
> A display of "888" on a pager notifies the pager holder of a test of the Vermont Yankee Emergency Call-In Method.

   c. After hearing the verbal prompt, press "888" and hang up.

   d. If indications are received that the group paging capability is out of service, implement emergency paging company notification specified in Section IV.

2. SSS shall verify with the Control Room the DCO of record.

3. SSS shall initiate an individual pager activation for the DCO.

> **NOTE**
>
> XXX-XXXX is the seven digit pager number for the DCO of record.

   a. Dial 9-XXX-XXXX.

   b. After hearing the verbal prompt, press 999*2585787 and hang up.

4. SSS shall implement the following for DCO activities:

   a. IF the DCO fails to respond within approximately 30 minutes, THEN attempt to contact the DCO via commercial telephone system.

   b. IF the DCO is successfully contacted, THEN proceed to step III.A.5.

c. IF unable to make contact within one hour, THEN immediately notify the Operations Shift Supervisor and generate an Event Report.

5. Upon completion of the system activation, the SSS completes the applicable section of VYOPF 3531.01, "Weekly Pager Functional Test".

6. Upon receiving the page, the Duty On Call Officer (DCO) contacts the SSS and provides the information required by VYOPF 3531.01. VYOPF 3531.01 is then signed and routed to the Emergency Plan Coordinator for completion.

NOTE

The Emergency Plan Coordinator obtains the information required by the "Additional Pager Holder" section of VYOPF 3531.01.

7. In the event the Security Shift Supervisor (SSS) or the DCO pager does not respond to the weekly functional test, they should perform a self test of their individual pager by calling in a test message to their own pager telephone number. If no response to this self test is received, the pager holder should make this known to the Emergency Plan Coordinator.

NOTES

- The SSS should make note of failure of his and/or the DCO's pager in the Comment Section of VYOPF 3531.01.
- Acceptance criteria for the Weekly Pager Functional Test is the display of "888" on the DCO's, additional pager holder's, and the Security Shift Supervisor's pagers.

B. Annual Communications Drill

1. At the direction of the Emergency Plan Coordinator (EPC), the Security Shift Supervisor (SSS) shall activate the VY Emergency Call-In notification system as follows:

   a. Contact the Community Alert Network (CAN) Operator at 9-1-800-552-[redacted]

   b. If you are connected to the CAN Hotline recording, do the following, otherwise go to Step 1.c:

      1) Provide the following message when requested:

         "This is _____, the Security Shift Supervisor at Vermont Yankee.

         My password is _____.

         My callback number is _____."

      2) Proceed to Step 1.c when CAN callback is received.

   c. When contact is made with the CAN Operator, implement the following steps:

      1) Report the following to the CAN Operator:

         "This is _____, the Security Shift Supervisor at Vermont Yankee.

         (Pause approx. 5 seconds)

         My password is _____.

         (Pause approx. 5 seconds)

         My callback number is _____.

2) The CAN Operator will verify that you have activation authorization (approx. 30 seconds), and will then ask you for the **Event Type**. State the following:

"The Event Type is a Test"

3) The CAN Operator will then tell you which of the following 800 telephone numbers should be used for pager holder call-backs:

___739-[redacted]

___794-[redacted]

___Other:_____-_____

4) Record the following:

Date_____ Time_____ Person Contacted_____

and hang up.

Initials (Security)_____

d. Activate the VY Pager System as follows:

1) Dial 9-742-[redacted].

2) After hearing the verbal prompt, dial in password 5787.

NOTE
XXX XXXX is the 7-digit pager holder call-back telephone no. determined in the previous step.

3) After hearing the verbal prompt, press the following buttons:

000 XXX XXXX

4) Hang up.

e. If a CAN callback to confirm successful activation is not received within 5 minutes, call the CAN Operator at 9-1-800-552-[redacted] to determine status.

2. Retrieve the test report from the FAX machine on the second floor of the Administration Building and forward to the Emergency Plan Coordinator.

NOTE

Acceptance criteria for the Annual Communications Drill shall be satisfying the requirements of NUREG 0654, Table B-1.

IV. PAGING COMPANY NOTIFICATIONS OF GROUP PAGING CAPABILITY OUT OF SERVICE

A. If indications have been received that the group paging capability is out of service, the Security Shift Supervisor (SSS) shall call the paging company emergency number for emergency service, as follows:

1. Dial 1-800-696-[redacted].

2. State the following message: **This is_____ of Vermont Yankee Nuclear Power Station in Vernon, Vermont. Our group paging capability is out of service. Please page the on-call person immediately and have them call 802-257-7711 as soon as possible"**, and hang up.

Date_____Time_____ Initials_____
(SSS)

3. Return to the next step in the procedure from where you exited to Section IV.

B. If indications have been received that the group paging capability is out of service, and the Security Shift Supervisor (SSS) is unsuccessful in contacting the paging company in Step IV.A, the SSS shall do the following:

1. Dial 1-802-775[redacted].

2. State the following message: **"This message is for the on-call person. "This is _____ with the Vermont Yankee Nuclear Power Station in Vernon, Vermont. Our group paging capability is out of service. Please call me at 802-257-7711 as soon as possible"**, and hang up.

Date_____Time_____ Initials_____
(SSS)

3. Return to the next step in the procedure from where you exited to Section IV.

V. ALTERNATE EMERGENCY CALL-IN METHOD

A. Upon receiving indications that the Emergency Call-In Method failed to activate, the respective alternate method shall be performed as follows:

NOTE

Step V.A.1 and V.A.2 shall be initiated concurrently.

1. Activate the VY Pager System as follows:

   a. Dial 9-742-[redacted]

   b. After hearing the verbal prompt, dial in password 5787.

NOTES

- A display of "111", "222", "333", or "444" on a pager, notifies the pager holder of the designated Emergency Classification. Pager holder should call the plant immediately.
- A display of "111" is used for Unusual Event (Terminated).

   c. After hearing the verbal prompt, press the buttons listed below for the appropriate Emergency Classification and then hang up:

EMERGENCY CLASSIFICATION		BUTTONS PRESSED
Unusual Event	-	111
Alert	-	222
Site Area	-	333
General	-	444

d. When personnel call in, state the following message for the appropriate emergency classification:

1) For Unusual Event or Unusual Event Terminated:

"Vermont Yankee has declared an [Select one from below]:

___Unusual Event
___Unusual Event Terminated

DCO report to the plant; all others please stand by."

(Repeat)

"Vermont Yankee has declared an [Select one from below]:

___Unusual Event
___Unusual Event Terminated

DCO report to the plant; all others please stand by."

Record the time the pager holder, or alternate, calls back in the "Respond Time" column of the pager Holder Call-In List.

Date_____ Time_____ Initials_____
(Security)

2) For Alert (or higher classification):

"Vermont Yankee has declared a/an [Select one from below]:

___Alert
___Site Area Emergency
___General Emergency

(Repeat)

"Vermont Yankee has declared a/an [Select one from below]:

___ Alert
___ Site Area Emergency
___ General Emergency

Please initiate your department call-in per your department appendix in the Emergency Call-In List. Instruct personnel to report to their Emergency Response Facilities. Please report to your Emergency Response Facility as soon as possible."

Date_____ Time_____ Initials_____
(Security)

e. If indications are received that the group paging capability is out of service, implement emergency paging company notification specified in Section IV.

NOTE

Begin manual telephone call-in when a telephone line becomes available from personnel calling the plant in response to pager activation. The DCO should be the first person contacted.

2. Activate the manual telephone call-in as follows:

NOTE

If a pager holder or designated alternate has already called or reported to the plant, they do not have to be called.

a. Call each pager holder (or designated alternate(s)) listed in Appendix A of the Emergency Call-In List.

b. State the following message for the appropriate emergency classification:

1) For Unusual Event or Unusual Event Terminated:

"Vermont Yankee has declared an [Select one from below]:

___Unusual Event
___Unusual Event Terminated

DCO report to the plant; all others please stand by."

(Repeat)

"Vermont Yankee has declared an [Select one from below]:

___Unusual Event
___Unusual Event Terminated

DCO report to the plant; all others please stand by."

Date_____ Time_____ Initials_____
(Security)

2) For Alert (or higher classification):

"Vermont Yankee has declared a/an [Select one from below]:

___Alert
___Site Area Emergency
___General Emergency

(Repeat)

"Vermont Yankee has declared a/an [Select one from below]:

___ Alert
___ Site Area Emergency
___ General Emergency

Please initiate your department call-in per your department appendix in the Emergency Call-In List. Instruct personnel to report to their Emergency Response Facilities. Please report to your Emergency Response Facility as soon as possible."

Date_____ Time_____ Initials_____
(Security)

3. Notify the Shift Supervisor/Plant Emergency Director (SS/PED) after the VY Pager System has been activated.

Date_____ Time_____ Initials_____
(Security)

FINAL CONDITIONS

1. This completed working procedure, along with accompanying documentation, should be returned to the Emergency Plan Coordinator.

Completed By_____ _____
Security (Print/Sign) Date

Approved By _____ _____
Emergency Plan Coordinator (Print/Sign) Date

2. The Emergency Plan Coordinator should ensure that documentation is retained in accordance with AP 6807.

WEEKLY PAGER FUNCTIONAL TEST

Pager System Activation by _____ _____ _____
Security Time Date

Security Shift Supervisor's Name _____

1. Was your pager turned on? _____ Time of test _____

2. Exact location at the time of test? _____

3. Did you receive the tone? _____ Message_____

4. If you received the tone only, did you call the Plant to determine Plant status and reason for pager system activation?

   _____

5. Comments:_____

DCO Name _____

1. Was your pager turned on? _____ Time of test _____

2. Exact location at the time of test? _____

3. Did you receive the tone? _____ Message_____

4. If you received the tone only, did you call the Plant to determine Plant status and reason for pager system activation?

   _____

5. Comments:_____

Additional Pager Holder Name _____

1. Was your pager turned on? _____ Time of test _____

2. Exact location at the time of test? _____

3. Did you receive the tone? _____ Message_____

4. If you received the tone only, did you call the Plant to determine Plant status and reason for pager system activation?

   _____

5. Comments:_____

Approved By: _____/_____
Emergency Plan Coordinator (Print/Sign) Date

VERMONT YANKEE NUCLEAR POWER STATION

OPERATING PROCEDURE

OP 3540

ORIGINAL

CONTROL ROOM ACTIONS DURING AN EMERGENCY

USE CLASSIFICATION: **REFERENCE**

LPC No.	Effective Date	Affected Pages

Implementation Statement: N/A

Issue Date: 08/07/01

TABLE OF CONTENTS

PURPOSE

This procedure outlines the basic emergency plan requirements and actions to be followed by the Control Room personnel in an emergency.

DISCUSSION

There are four emergency classifications, Unusual Event, Alert, Site Area Emergency, and General Emergency. The decision to make an immediate initial declaration rests with the Shift Supervisor/Plant Emergency Director, who, in turn, instructs Control Room personnel to activate the notification system. Notification of State authorities must be initiated within 15 minutes after the event has been classified. The NRC must be notified immediately after the States' notification, but not later than one (1) hour after the event has been classified.

An Unusual Event is defined as any plant-related event which indicates a potential degradation of plant safety margins which is not likely to affect personnel on-site or the public off-site or result in radioactive releases requiring off-site monitoring. Unusual Event conditions will not have caused serious damage to the plant and may not require a change in operation status.

The basic shift complement is able to deal with Unusual Event conditions. On-duty personnel are assigned to functions as required. Additional members of the plant organization, including top management, are notified by Plant Security, and augment on-duty personnel as necessary. The Duty On Call Officer who is available on an on-call basis must report to the site and will assume the role of the TSC Coordinator. Dissemination of public information and closure or escalation to a more severe classification will occur as conditions warrant.

An Alert event is defined as an indication of a substantial degradation of plant safety margins which could affect on-site personnel safety, could require off-site impact assessment, but is not likely to require off-site protective action.

An Alert event requires action beyond the normal capability of the basic shift complement. Plant response and off-site notification associated with this event classification ensure that sufficient emergency response personnel are mobilized to activate the Technical Support Center and the Operations Support Center. The Emergency Operations Facility/Recovery Center is activated with the Site Recovery Manager, the EOF Coordinator and other EOF/RC staff members. Sufficient emergency assistance personnel to assess off-site radiological impact are assigned if the Alert event is producing releases off-site. Actual releases of radioactivity which substantially exceed Technical Specification limits may be involved and thus radiation monitoring and dose projection may be an integral portion of the emergency response required. Prompt notification is made to State authorities and follow-up information is provided as needed to off-site emergency organizations.

A Site Area Emergency indicates an event which involves likely or actual major failures of plant functions needed for the protection of the public. The possibility does exist for some releases of radioactive material and response to this event emphasizes the ability to monitor the releases and to provide action recommendations to State authorities and follow-up information as needed to off-site emergency organizations.

Plant resources are anticipated to be sufficient to cope with a Site Area Emergency. Outside resources, however, are mobilized and selected members are dispatched to the site. All emergency centers are activated following declaration of a Site Area Emergency. All non-essential personnel are evacuated from the site. Representatives from adjoining States are dispatched to the Emergency Operations Facility. Assessment of plant conditions and off-site radiological parameters determine the type of protective measures necessary for protection of the public sector. The public is notified of the event by local media facilities and periodic updates of information are released to ensure uniform, adequate response to real conditions.

A General Emergency is declared when substantial core degradation or melting has occurred, with a potential for loss of containment integrity. The possibility does exist for releases of radioactive material and response to this event emphasizes the ability to monitor the releases and to provide for protective action recommendations to State authorities.

Contracted service organizations, sponsor utilities, and other industry resources are alerted and requested to render assistance as appropriate. In addition, Federal resources are called upon for assistance. Assessment of plant conditions and off-site radiological parameters determine the type of protective action recommendations.

Plant representatives closeout or escalate the emergency classification, or move to recovery as conditions warrant. Written summaries of the event are provided to off-site authorities and other affected agencies.

Upon declaration of an emergency classification, the Control Room becomes an Emergency Response Facility and the Shift Supervisor assumes the duties of the Plant Emergency Director (PED).

During the initial stages of an emergency, the PED will direct all phases of the emergency response. Actions will include:

- Classifying an emergency
- Notifying appropriate State authorities
- Notifying the NRC
- Initiating on-site habitability surveys, if necessary
- Formulating on-site personnel response recommendations, if necessary
- Performing initial off-site dose assessment, if necessary
- Initiating corrective actions required to restore normal operation, if necessary

As personnel respond to other Emergency Response Facilities, emergency functions will be transferred to the Technical Support Center Coordinator (TSCC) or the Site Recovery Manager (SRM) as appropriate.

Emergency Classification and PAR Notification Form (VYOPF 3540.06) specifies the contents and formal States notifications of emergency classifications and protective action recommendations (PARs) by Vermont Yankee, and is used by the Control Room in the authorization and transmittal of these notifications. Prior to the SRM assuming responsibility for the emergency response, the TSC Coordinator can authorize escalations and PARs, but the Control Room retains transmittal responsibilities to off-site agencies.

In the event that a Control Room evacuation and plant shutdown using alternate methods are required, Appendix A will be used to initially notify the States and the NRC of the declared emergency.

ATTACHMENTS

1.	Appendix A	States and NRC Emergency Notification for a Control Room Evacuation Event
2.	VYOPF 3540.01	UNUSUAL EVENT IMMEDIATELY TERMINATED Announcement
3.	VYOPF 3540.02	UNUSUAL EVENT Announcement
4.	VYOPF 3540.03	ALERT Announcement
5.	VYOPF 3540.04	SITE AREA EMERGENCY Announcement
6.	VYOPF 3540.05	GENERAL EMERGENCY Announcement
7.	VYOPF 3540.06	Emergency Classification and PAR Notification Form
8.	VYOPF 3540.07	States Notification of Control Room Evacuation

REFERENCES AND COMMITMENTS

1. Technical Specifications and Site Documents

   a. Vermont Yankee Nuclear Power Station Emergency Plan

2. Codes, Standards and Regulations

   a. None

3. Commitments

   a. UND-98012_01

4. Supplemental References

   a. AP 0009, Event Reports
   b. AP 0010, Situational Reporting Requirements
   c. AP 0021, Work Orders
   d. AP 0156, Notification of Significant Events
   e. AP 0864, Fitness for Duty
   f. AP 3125, Emergency Plan Classification and Action Level Scheme
   g. OP 3504, Emergency Communications
   h. OP 3507, Emergency Radiation Exposure Control

i. OP 3508, On-Site Medical Emergency Procedure
j. OP 3511, Off-Site Protective Action Recommendations
k. OP 3513, Evaluation of Off-Site Radiological Conditions
l. OP 3531, Emergency Call-in Method
m. OP 3541, Activation of the Technical Support Center (TSC)
n. OP 3542, Operation of the Technical Support Center (TSC)
o. OP 3544, Operation of the Operations Support Center (OSC)
p. OP 3545, Activation of the Emergency Operations Facility/Recover Center (EOF/RC)
q. OP 3546, Operation of the Emergency Operations Facility/Recover Center (EOF/RC)
r. OP 3547, Security Actions During an Emergency
s. AP 6807, Collection, Temporary Storage and Retrieval of QA Records

PRECAUTIONS/LIMITATIONS

1. Refer to OP 3504 for alternate methods of communication in the event that primary methods fail.

NOTES

- The responsible individual may assign actions required to other personnel as appropriate. The designated individual, however, has the overall responsibility for the execution of the checklist.
- Record time and initials as required.
- Steps may be performed concurrently or out of sequence.
- Some steps have multiple signature lines, based on event level. The step should be initialed for each event level it is completed for. If an event escalates, each step with that event level designator should be rechecked to ensure no further action is required.

PED Name (print):_____ Date:_____

		Time/Date	Initials
1.0	Immediate Actions		
1.1.	Conditions have been assessed and the applicable Emergency Operating Procedure is utilized, if appropriate.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.2.	IF a GENERAL EMERGENCY, THEN implement OP 3511, Off-Site Protective Action Recommendations.	G____/____	_____
1.3.	If a release is in progress or expected, ensure that OP 3513, Evaluation of Off-Site Radiological Conditions, is implemented by a qualified individual.	A____/____ S____/____ G____/____	_____ _____ _____
1.4.	Determine the immediate personnel response to be taken.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.5.	Prepare Gai-Tronics announcement for applicable emergency classification. (VYOPF 3540.01-05)	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____

		Time/Date	Initials
1.6.	Make Gai-Tronics announcement.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.7.	Request that extra Operations personnel report to the Control Room or OSC, as applicable, and provide assistance as warranted.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.8.	Direct the Security Shift Supervisor (SSS) to request an Alternate Communicator to report to the Control Room per OP 3531, as warranted.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____

NOTES

- States' notification must be initiated within 15 minutes of emergency classification declaration.
- SS/PED retains responsibility for off-site States' notification (NAS-Orange Phone) until relieved by the Site Recovery Manager.
- The Shift Supervisor may, at his discretion, have all the Control Room telephone ringers except the Shift Engineer's desk phone shut off to alleviate distractions in the control room. (UND-98012_01)

1.9.	Ensure that the notification of the VT/NH/MA State Police Agencies is being implemented per VYOPF 3540.06, Emergency Classification and PAR Notification Form.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.10.	IF commercial telephone service is degraded, THEN instruct Communicator to inform the States of this condition and request that all State call-back communications should occur through the NAS-Orange Phone. (Use Remarks section of VYOPF 3540.06 to note directive.)	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____

		Time/Date	Initials
1.11.	After completion of the State's notification, SS/PED acknowledges that the States' notification has been completed.	U____/____ A____/____ S____/____ G____/____	
1.12.	Record call-back from State officials concerning plant conditions:	U____/____ A____/____ S____/____ G____/____	
	VT Official_____ VT Official_____ VT Official_____ VT Official_____	U____/____ A____/____ S____/____ G____/____	
	NH Official_____ NH Official_____ NH Official_____ NH Official_____	U____/____ A____/____ S____/____ G____/____	
	MA Official_____ MA Official_____ MA Official_____ MA Official_____	U____/____ A____/____ S____/____ G____/____	
1.13.	IF State officials have not made contact with the plant within one hour, THEN recall State Police by utilizing the appropriate NAS-Orange Phone number or commercial telephone back-up number listed on VYOPF 3540.06.	U____/____ A____/____ S____/____ G____/____	
1.14.	IF the SRM or TSC Coordinator has not assumed overall responsibility for the response effort, and conditions indicate that escalation is necessary, THEN the SS/PED proceeds with the notification for the new emergency classification	A____/____ S____/____	

		Time/Date	Initials

NOTE

NRC notification must be initiated immediately after the States' notification, but not later than one (1) hour after the emergency classification declaration.

1.15.	Prepare message for NRC using VYAPF 0156.01.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.16.	Notify NRC Headquarters on the FTS Emergency Notification System (ENS) phone by lifting the receiver on the telephone and listening for dial tone.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.17.	After receiving a dial tone, dial the first number listed below, using all 11 digits. If the first number is busy, use the second, etc. 1-301-816-5100 1-301-951-0550 1-301-415-0550	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.18.	IF contact cannot be established using the FTS System, THEN call the NRC Operations Center via the commercial telephone system, using (in the order listed), one of the telephone numbers listed above and inform the NRC Operations Center of the problem with the FTS System.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.19.	Upon establishing communications, provide message using VYAPF 0156.01, Event Notification Worksheet.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.20.	IF desired by NRC Headquarters, THEN maintain an open and continuous communications channel, until relieved by the TSC staff or until continuous communications are no longer necessary.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____

		Time/Date	Initials
1.21.	When contacted by the Public Affairs Department, provide a brief description of the event (e.g., Plant power level? Involvement of outside agencies? Injuries?). Note PA contact name and time. PA Contact Name:_____	U____/____ A____/____ S____/____ G____/____ Time:_____	_____ _____ _____ _____
1.22.	When contacted by the TSC Coordinator or EOF Coordinator provide information on event classification and plant conditions.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.23.	Request SSS contact outside agencies for assistance (fire, law enforcement, or medical rescue personnel and related equipment) as needed to deal with the event.		
	Fire	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
	Medical	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
	Law Enforcement (in conjunction with the Security Shift Supervisor)	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
	Other	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____

		Time/Date	Initials
1.24.	Initiate and coordinate the initial on-site assistance team activities (until relieved by TSC Coordinator) as follows:		
1.24.1.	Prioritize job tasks to mitigate and control the emergency condition.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.24.2.	Ensure that the applicable work control process defined in AP 0021, Work Orders, is used.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.24.3.	Authorize emergency dose commitments for required job tasks in accordance with OP 3507, Emergency Radiation Exposure Control.	A____/____ S____/____ G____/____	_____ _____ _____
1.24.4.	Brief the TSC Coordinator on job tasks initiated, and continue to coordinate job priorities with the TSC Coordinator.	U____/____ A____/____ S____/____ G____/____	_____ _____ _____ _____
1.25.	Notify the Vermont Yankee State Liaison Engineer per AP 0156	U____/____	_____

	Time/Date	Initials

2.0 Subsequent Actions

2.1. Assess plant conditions periodically and be prepared to initiate escalation of emergency classification to a more severe condition in the absence of the TSC Coordinator and the Site Recovery Manager.

U_____/_____ _____
A_____/_____ _____
S_____/_____ _____

2.2. IF conditions warrant an escalation to a GENERAL EMERGENCY, THEN implement OP 3511, Off-Site Protective Action Recommendations.

G_____/_____ _____

2.3. Maintain responsibility for the implementation of the VY Emergency Plan until relieved by the TSC Coordinator or Site Recovery Manager. This includes the following responsibilities:

2.3.1. Escalation of the emergency.

NOTE

SS/PED retains responsibility for off-site States' notification until relieved by the Site Recovery Manager.

2.3.2. Notification of off-site States' authorities. (NAS-Orange Phone)

2.3.3. Notification of off-site NRC authorities. (FTS ENS Phone)

2.3.4. Authorization and transmittal of off-site protective action recommendations (PARs).

		Time/Date	Initials
2.4.	Record time when and who (TSC Coordinator or SRM) calls to assume the responsibility for implementation of the VY Emergency Plan. TSCC called at:_____ TSCC name:_____ SRM called at:_____ SRM name:_____	U_____/_____ A_____/_____ S_____/_____ G_____/_____ A_____/_____ S_____/_____ G_____/_____	_____ _____ _____ _____ _____ _____ _____
2.5.	Record time when the TSC Coordinator calls to assume responsibility for the deployment of the AOs. TSCC called at:_____	A_____/_____ S_____/_____ G_____/_____	_____ _____ _____
2.6.	In concert with the TSC Coordinator and the Site Recovery Manager, provide information to assist with the final closeout of the emergency condition.	U_____/_____ A_____/_____ S_____/_____ G_____/_____	_____ _____ _____ _____

FINAL CONDITIONS

1.	When the event conditions no longer exist, as approved by the TSC Coordinator, or Site Recovery Manager, announce on the plant page system that the event is terminated.	_____/_____	_____
2.	Summarize all actions and resultant conditions in the Shift Supervisor's Log.	_____/_____	_____
3.	Forward a completed copy of this procedure to the Emergency Plan Coordinator for filing in accordance with AP 6807.	_____/_____	_____

APPENDIX A

STATES AND NRC EMERGENCY NOTIFICATION FOR A CONTROL ROOM EVACUATION EVENT

This section will be used during off-normal hours when minimum plant staffing levels exist. The on-shift Chemistry Technician is responsible to complete the initial notifications when directed by the Shift Supervisor.

STATE NOTIFICATION INSTRUCTIONS:

1. Prepare the State Notification Form (VYOPF 3540.07).

2. Obtain and enter wind speed and wind direction on VYOPF 3540.07 by using one of the following methods:

   Method 1 - MET Data History 1 on ERFIS PC Monitor

   a. Depress the "ODPS" key
   b. Tab over to the "HISTORICAL METEOROLOGICAL DATA - 1" poke box
   c. Depress "Enter" key to access the MH1 display
   d. Record wind speed and direction from the UPPER data displayed in the second row

   Method 2 - ERFIS Backup Information System on CVAX

   a. Log on the CVAX
   b. At the $ prompt, type SET HOST ERFIS <return>
   c. At the Username prompt, type EPLAN <return>
   d. Select Option 1 to display ERFIS BIS Main Menu
   e. Select Option 3a to display Primary Met Tower Data
   f. Record wind speed and direction from the UPPER data displayed in the first column
   g. To exit screen, press any key and then follow instructions to log off ERFIS BIS

   NOTE

   NWS Public Forecaster will provide information using meteorological data from area reporting stations in the Connecticut River Valley.

   Method 3 - Albany National Weather Service (NWS)

   a. Contact the Albany NWS at 9-1-800-833-9880 (primary) or 9-1-518-435-9574 (backup)
   b. Ask for NWS Public Forecaster and request available meteorological conditions for the Vermont Yankee plant site in Vernon, Vermont

3. Use the prepared message (VYOPF 3540.07) and make States notification as follows:

   a. Contact each State using appropriate commercial telephone numbers listed below:

      VT STATE POLICE: 9-1-802-244-8727
      NH STATE POLICE: 9-1-603-271-3636
      MA STATE POLICE: 9-1-413-586-3166

   b. After transmittal of message, ensure that all appropriate information is recorded.

   c. Monitor and receive expected commercial telephone verification of emergency declaration from State authorities.

4. After all States' notifications are completed, immediately continue with NRC notifications.

NRC NOTIFICATION INSTRUCTIONS

> **NOTE**
>
> NRC notification must be initiated immediately after the States' notification, but not later than one (1) hour after the emergency classification declaration.

1. Use the FTS NRC Emergency Notification System (ENS) phone (labeled #41) located in the southwest corner of the TSC Communications Room.

2. Notify the NRC on the FTS ENS phone as follows:

   a. Lift the receiver on the telephone and listen for dial tone

   b. After receiving a dial tone, dial the first number listed below using all 11 digits. If the first number is busy, then use the second, etc.

      1-301-816-5100
      1-301-951-0550
      1-301-415-0550

> **NOTE**
>
> Remember to inform the NRC Operations Center of the problems with using the FTS System.

   c. If contact cannot be established using the FTS System, call the NRC Operations Center via the commercial telephone using the same numbers above in the order listed.

d. Upon establishing communications with the NRC, provide the following message:

"This is VERMONT YANKEE NUCLEAR POWER STATION in Vernon, Vermont. Please do not interrupt until the entire message is completed.

We are making a one (1) hour notification per 10CFR50.72(a)(1)(i). The Plant has declared a Site Area Emergency due to the evacuation of the Control Room. The Plant is shut down and plant parameter control is being established from alternate shutdown panels. State notifications have been completed and Vermont Yankee's emergency call-in system has been initiated.

e. Record time of NRC notification and provide any follow-up information as requested using best information known.

_____(Notification time)

f. If desired by the NRC, maintain an open and continuous communications channel, until relieved by the TSC staff or until continuous communications are no longer necessary.

g. Notify Shift Supervisor when notifications have been completed.

UNUSUAL EVENT IMMEDIATELY TERMINATED ANNOUNCEMENT

1. Before making the announcement, have the Shift Supervisor/Plant Emergency Director (SS/PED) authorize the prepared announcement.

_____ / _____ / _____

SS/PED Authorization (print/sign) Date Time

2. Turn the PAGE SYS VOLUME INCREASE switch to the ALERT position.

3. Turn the ALARM TONE CONTROL switch to the ON position for 10 seconds then return to the OFF position.

4. Make the following Gai-Tronics announcement:

"Attention all personnel. Attention all personnel. UNUSUAL EVENT, UNUSUAL EVENT, UNUSUAL EVENT.

An UNUSUAL EVENT has been declared and immediately terminated at _____ hours.

There was *(describe conditions and affected areas)*_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____."

5. Repeat the announcement.

6. Turn the PAGE SYSTEM VOLUME INCREASE Switch to the OFF position.

UNUSUAL EVENT ANNOUNCEMENT

1. Before making the announcement, have the Shift Supervisor/Plant Emergency Director (SS/PED) authorize the prepared announcement.

_____ / _____ / _____

SS/PED Authorization (print/sign) Date Time

2. Turn the PAGE SYS VOLUME INCREASE switch to the ALERT position.

3. Turn the ALARM TONE CONTROL switch to the ON position for 10 seconds then return to the OFF position.

4. Make the following Gai-Tronics announcement:

"Attention all personnel. Attention all personnel. UNUSUAL EVENT, UNUSUAL EVENT, UNUSUAL EVENT.

An UNUSUAL EVENT has been declared at _____ hours due to:

*(describe conditions and affected areas)*_____

_____

_____

_____

_____

_____

_____

_____

_____

_____.

The following personnel *(if applicable)*_____

_____

report to_____.

All other personnel stay clear of the affected area." *(If applicable)*

5. Repeat the announcement.

6. Turn the PAGE SYSTEM VOLUME INCREASE Switch to the OFF position.

ALERT ANNOUNCEMENT

1. Before making the announcement, have the Shift Supervisor/Plant Emergency Director (SS/PED) authorize the prepared announcement.

_____ / _____ / _____

SS/PED Authorization (print/sign) Date Time

2. Turn the PAGE SYS VOLUME INCREASE switch to the ALERT position.

3. Turn the ALARM TONE CONTROL switch to the ON position for 10 seconds then return to the OFF position.

4. Make the following Gai-Tronics announcement:

"Attention all personnel. Attention all personnel. ALERT, ALERT, ALERT.

An ALERT has been declared at _____ hours due to:

*(describe conditions and affected areas)*_____

_____

_____

_____

_____

_____

_____

_____

_____

_____.

Emergency personnel report to the Technical Support Center, the Operations Support Center, and the Emergency Operations Facility as required. As a precautionary measure, declared pregnant plant staff should leave the site and report to the EOF. All other personnel, visitors, and contractors report to the Governor Hunt House Information Center and wait for further instructions. *[If applicable:]* **All other personnel stay clear of the affected area."**

5. Repeat the announcement.

6. Turn the PAGE SYSTEM VOLUME INCREASE Switch to the OFF position.

SITE AREA EMERGENCY ANNOUNCEMENT

1. Before making the announcement, have the Shift Supervisor/Plant Emergency Director (SS/PED) authorize the prepared announcement.

_____ / _____ / _____

SS/PED Authorization (print/sign) Date Time

2. Turn the PAGE SYS VOLUME INCREASE switch to the EVACUATE position.

3. Turn the ALARM TONE CONTROL switch to the ON position for 10 seconds then return to the OFF position.

4. Make the following Gai-Tronics announcement:

"Attention all personnel. Attention all personnel. SITE AREA EMERGENCY, SITE AREA EMERGENCY, SITE AREA EMERGENCY.

A SITE AREA EMERGENCY has been declared at _____ hours due to:

*(describe conditions and affected areas)*_____

_____

_____

_____

_____

_____

_____.

NOTE

The following does not need to be announced if it was announced earlier at the ALERT declaration.

Emergency personnel report to the Technical Support Center, the Operations Support Center, and the Emergency Operations Facility as required. As a precautionary measure, declared pregnant plant staff should leave the site and report to the EOF. All other personnel, visitors, and contractors report to the Governor Hunt House Information Center and wait for further instructions. *[If applicable:]* **All other personnel stay clear of the affected area."**

5. Repeat the announcement.

6. Turn the PAGE SYSTEM VOLUME INCREASE Switch to the OFF position.

GENERAL EMERGENCY ANNOUNCEMENT

1. Before making the announcement, have the Shift Supervisor/Plant Emergency Director (SS/PED) authorize the prepared announcement.

_____ / _____ / _____

SS/PED Authorization (print/sign) Date Time

2. Turn the PAGE SYS VOLUME INCREASE switch to the EVACUATE position.

3. Turn the ALARM TONE CONTROL switch to the ON position for 10 seconds then return to the OFF position.

4. Make the following Gai-Tronics announcement:

"Attention all personnel. Attention all personnel. GENERAL EMERGENCY, GENERAL EMERGENCY, GENERAL EMERGENCY.

A GENERAL EMERGENCY has been declared at _____ hours due to:

*(describe conditions and affected areas)*_____

_____

_____

_____

_____

_____

_____.

NOTE

The following does not need to be announced if it was announced at the ALERT or SITE AREA declaration.

Emergency personnel report to the Technical Support Center, the Operations Support Center, and the Emergency Operations Facility as required. As a precautionary measure, declared pregnant plant staff should leave the site and report to the EOF. All other personnel, visitors, and contractors report to the Governor Hunt House Information Center and wait for further instructions. *[If applicable:]* **All other personnel stay clear of the affected area.**

5. Repeat the announcement.

6. Turn the PAGE SYSTEM VOLUME INCREASE Switch to the OFF position.

EMERGENCY CLASSIFICATION AND PAR NOTIFICATION FORM

VYOPF 3540.06 INSTRUCTIONS

STATES NOTIFICATION MUST BE INITIATED WITHIN 15 MINUTES OF DECLARATION.

1. Prepare message (Section 1). If a Protective Action Recommendation is part of the message, refer to VYOPF 3511.01 for affected towns.
2. Prior to notifications, get approval of contents of message by getting appropriate signature (Section 2).
3. Contact States by using appropriate contact number(s) listed below.

> **NOTE**
>
> If NAS - Orange Phone is non-functional, utilize commercial back-up capability.

4. Record initial State contact times (Section 3).
5. After transmittal of message, record name of State contact (Section 4)
6. After all States notifications are completed, inform authorizing individual.

CONTACT NUMBERS		
	CONTROL ROOM	EOF/RC
NAS - ORANGE PHONE GROUP CALL	**VT/NH/MA STATE POLICE 111**	**VT/NH/MA STATE EOC'S 333**
NAS INDIVIDUAL STATION CALL	VT STATE POLICE 213	VT STATE EOC 314
	NH STATE POLICE 212	NH STATE EOC 311
	MA STATE POLICE 210	MA STATE EOC 313
COMMERCIAL TELEPHONE BACKUP	VT STATE POLICE 802-244-8727	VT STATE EOC 802-244-8721
	NH STATE POLICE 603-271-3636	NH STATE EOC 603-271-2231
	MA STATE POLICE 413-586-3166	MA STATE EOC 508-820-2000

EMERGENCY CLASSIFICATION AND PAR NOTIFICATION FORM (Continued)

1. MESSAGE

This is (Name:_____), (Title:_____) from the Vermont Yankee Nuclear Power Station in Vernon, Vermont. Please do not interrupt until the entire message is completed.

a. We have declared a: (Check one)

- ☐ Unusual Event Terminated
- ☐ Unusual Event
- ☐ Alert
- ☐ Site Area Emergency
- ☐ General Emergency

at _____ hours due to (indicate the initiating conditions per AP 3125):_____

_____

_____

_____

_____

_____

AP 3125 EAL alpha-numeric designator _____

b. The Plant is: (Check one)

- ☐ continuing normal operation
- ☐ reducing present power levels
- ☐ shut down

c. A release: (Check one)

- ☐ is anticipated
- ☐ is in progress
- ☐ is not expected to occur

d. Present Meteorological conditions:

Wind speed is _____ mph
Wind directions is from _____ degrees.

e. At the present time, we recommend the following protective actions:

☐ None ☐ As Follows

State	Town	Shelter	Evac
VT	Brattleboro	☐	☐
	Dummerston	☐	☐
	Guilford	☐	☐
	Halifax	☐	☐
	Vernon	☐	☐
NH	Chesterfield	☐	☐
	Hinsdale	☐	☐
	Richmond	☐	☐
	Swanzey	☐	☐
	Winchester	☐	☐
MA	Bernardston	☐	☐
	Colrain	☐	☐
	Gill	☐	☐
	Greenfield	☐	☐
	Leyden	☐	☐
	Northfield	☐	☐
	Warwick	☐	☐

f. Follow your State procedures for the designated Classification

2. AUTHORIZATION

Authorized by (Print and Sign):_____
(Circle one: PED / TSCC / SRM) Time:_____ Date:_____

3. INITIAL NOTIFICATION TIMES (NOTE: INITIATE NOTIFICATION WITHIN 15 MINUTES OF DECLARATION)

Time notification initiated: VT_____ NH_____ MA_____

4. MESSAGE ACKNOWLEDGEMENTS

Receipt by: VT_____ NH_____ MA_____
Name Name Name

REMARKS

STATES NOTIFICATION FOR A CONTROL ROOM EVACUATION

NOTE

If a warble tone is received when notifying the States using the 9-1-XXX-XXXX, the phone you are using is in the powerfail mode. Re-dial without using the 9, and be sure to use the alternate powerfail number for verification.

VT State Police: 9-1-802-244-8727

NH State Police: 9-1-603-271-3636

MA State Police: 9-1-413-586-3166

Time Notification initiated: VT_____ NH_____ MA_____

NOTE

Bold text is the message content to be provided to State authorities.

This is Name:_____, Title:_____
at the Vermont Yankee Nuclear Power Station in Vernon, Vermont. Please do not interrupt until the entire message is completed.

a) **We have declared a Site Area Emergency at _____ hours due to an Evacuation of the Control Room. (S-8-d)**

b) **The Plant is shut down.** (Use unless better information is known.)

c) **A release is not expected to occur.** (Use unless better information is known.)

d) **Present meteorological conditions: wind speed is _____ mph and wind direction is from _____ degrees.**

e) **At the present time, we recommend the following protective actions: NONE**

f) **Follow your State procedures for the designated classification.**

PLEASE NOTE:

You are receiving this notification via commercial telephone. Verification phone number is _____, Ext._____. Repeat. You are receiving this notification via commercial telephone. Verification phone number is_, Ext._____.

MESSAGE ACKNOWLEDGEMENTS: (Record information)
Receipt by (print/sign): _____

VT Name:_____ Time:_____

NH Name:_____ Time:_____

MA Name:_____ Time:_____

REMARKS:

VERMONT YANKEE NUCLEAR POWER STATION

OPERATING PROCEDURE

OP 3541

ORIGINAL

ACTIVATION OF THE TECHNICAL SUPPORT CENTER (TSC)

USE CLASSIFICATION: **REFERENCE**

LPC No.	Effective Date	Affected Pages

Implementation Statement: N/A

Issue Date: 08/07/01

TABLE OF CONTENTS

PURPOSE

To outline the actions required to activate the Technical Support Center (TSC).

DISCUSSION

The TSC is activated depending on the classification of the emergency. There are four emergency classifications, Unusual Event, Alert, Site Area Emergency, and General Emergency. The decision to make an immediate initial declaration rests with the Shift Supervisor/Plant Emergency Director.

An Unusual Event is defined as any plant-related event which indicates a potential degradation of plant safety margins which is not likely to affect personnel on-site or the public off-site or result in radioactive releases requiring off-site monitoring. Unusual Event conditions will not have caused serious damage to the plant and may not require a change in operation status.

An Alert event is defined as an indication of a substantial degradation of plant safety margins which could affect on-site personnel safety, could require off-site impact assessment, but is not likely to require off-site protective action.

A Site Area Emergency indicates an event which involves likely or actual major failures of plant functions needed for the protection of the public. The possibility does exist for some releases of radioactive material and response to this event emphasizes the ability to monitor the releases and to provide action recommendations to State authorities and follow-up information as needed to off-site emergency organizations.

A General Emergency is declared when substantial core degradation or melting has occurred, with a potential for loss of containment integrity. The possibility does exist for releases of radioactive material and response to this event emphasizes the ability to monitor the releases and to provide for protective action recommendations to State authorities.

The Technical Support Center Coordinator (TSCC) designates an individual responsible for initiating this procedure following an emergency classification announcement.

ATTACHMENTS

1. Table 1 Personnel Assignment List
2. Figure 1 TSC Footprint

REFERENCES AND COMMITMENTS

1. Technical Specifications and Site Documents

   a. Vermont Yankee Nuclear Power Station Emergency Plan

2. Codes, Standards and Regulations

   a. None

3. Commitments

   a. None

4. Supplemental References

   a. AP 3125, Emergency Plan Classification and Action Level Scheme
   b. OP 3504, Emergency Communications
   c. OP 3507, Emergency Radiation Exposure Control
   d. OP 3524, Emergency Actions to Ensure Initial Accountability and Security Response
   e. OP 3531, Emergency Call-in Method
   f. OP 3540, Control Room Actions During an Emergency
   g. OP 3542, Operation of the Technical Support Center (TSC)
   h. OP 3544, Operation of the Operations Support Center (OSC)
   i. OP 3545, Activation of the Emergency Operations Facility/Recovery Center EOF/RC
   j. OP 3546, Operation of the Emergency Operations Facility/Recovery Center EOF/RC
   k. OP 3547, Security Actions During an Emergency
   l. AP 6807, Collection, Temporary Storage and Retrieval of QA Records

PRECAUTIONS/LIMITATIONS

1. Refer to OP 3504 for alternate methods of communication in the event that primary methods fail.

NOTES

- Phones & Equipment are stored in the EP cabinet in the TSC hallway
- Steps may be performed concurrently or out of sequence.

Name (print):_____ Date:_____

		Time/Date	Initials
1.0	Test wall mounted phones.	_____	_____
2.0	Setup & test phones in NRC Office area.	_____	_____
3.0	Arrange chairs and tables per Figure 1.	_____	_____
4.0	Layout EOP charts and markers against the East wall.	_____	_____

NOTE

Individuals filling positions on the sign-in board must also sign in on VYOPF 3524.02.

5.0	Setup sign-in board	_____	_____
6.0	Set out VYOPF 3524.02 sign-in forms.	_____	_____
7.0	Setup Plant Parameter Sheets on the West wall	_____	_____
8.0	Setup headings to the right of Parameter Sheets for: 1) Next department head meeting 2) Current TSC Coordinator	_____	_____
9.0	Place emergency classification label on the South wall.	_____	_____
10.0	Label the whiteboard (South wall) to the left of emergency classification "Chronology of significant events".	_____	_____
11.0	Label the whiteboard (South wall) to the left of the chronology board "Work Items/Priorities".	_____	_____
12.0	Setup logbook.	_____	_____

		Time/Date	Initials
13.0	Place paper organizers near end of table where the logbook and TSC Coordinator are.	_____/_____	
14.0	Place large stacks of 3 part forms near paper organizers and on small tables	_____/_____	
15.0	Place Implementing Procedures and "blank forms" books on table near TSC Coordinator.	_____/_____	
16.0	Setup fax machine in copier room.	_____/_____	

NOTE

The Emergency Response Data System (ERDS) must be enabled as soon as possible, but not later than one hour, after the initial declaration of an Alert, Site Area Emergency, or General Emergency.

17.0	Process Computer Engineering Staff Member activates the Emergency Response Data System (ERDS) data link w/NRC.	_____/_____	

FINAL CONDITIONS

NOTE

The necessary support staff is dependent on the nature of the emergency and is determined by the TSC Coordinator. Minimum Staffing for activation of the TSC includes:

- TSC Coordinator
- Engineering Representative
- Doc. & Admin Services Representative
- Maintenance Representative
- Security Representative
- Operations Representative
- Reactor Engineering Representative
- Radiation Protection Representative
- Chemistry Representative

		Time/Date	Initials
1.	Process Computer Engineering Staff Member activates the Emergency Response Data System (ERDS) data link w/NRC.	_____/_____	
2.	When the TSC Setup is complete and minimum staffing is attained, notify the TSCC that the TSC is ready for activation.	_____/_____	
3.	Ensure that names of personnel stationed at the TSC are provided to Security as soon possible	_____/_____	
4.	Return completed procedure to the Emergency Plan Coordinator for filing in accordance with AP 6807	_____/_____	

TABLE 1
PERSONNEL ASSIGNMENT LIST

Required for Activation	Personnel
Technical Support Center Coordinator	_____
Engineering	_____
Maintenance	_____
Security	_____
Operations	_____
Reactor Engineering	_____
Radiation Protection	_____
Chemistry	_____
Doc & Admin Services	_____

Other Positions to be Staffed

Operations Support Center Coordinator	_____
SAM Decision Maker	_____

FIGURE 1
TECHNICAL SUPPORT CENTER FOOTPRINT

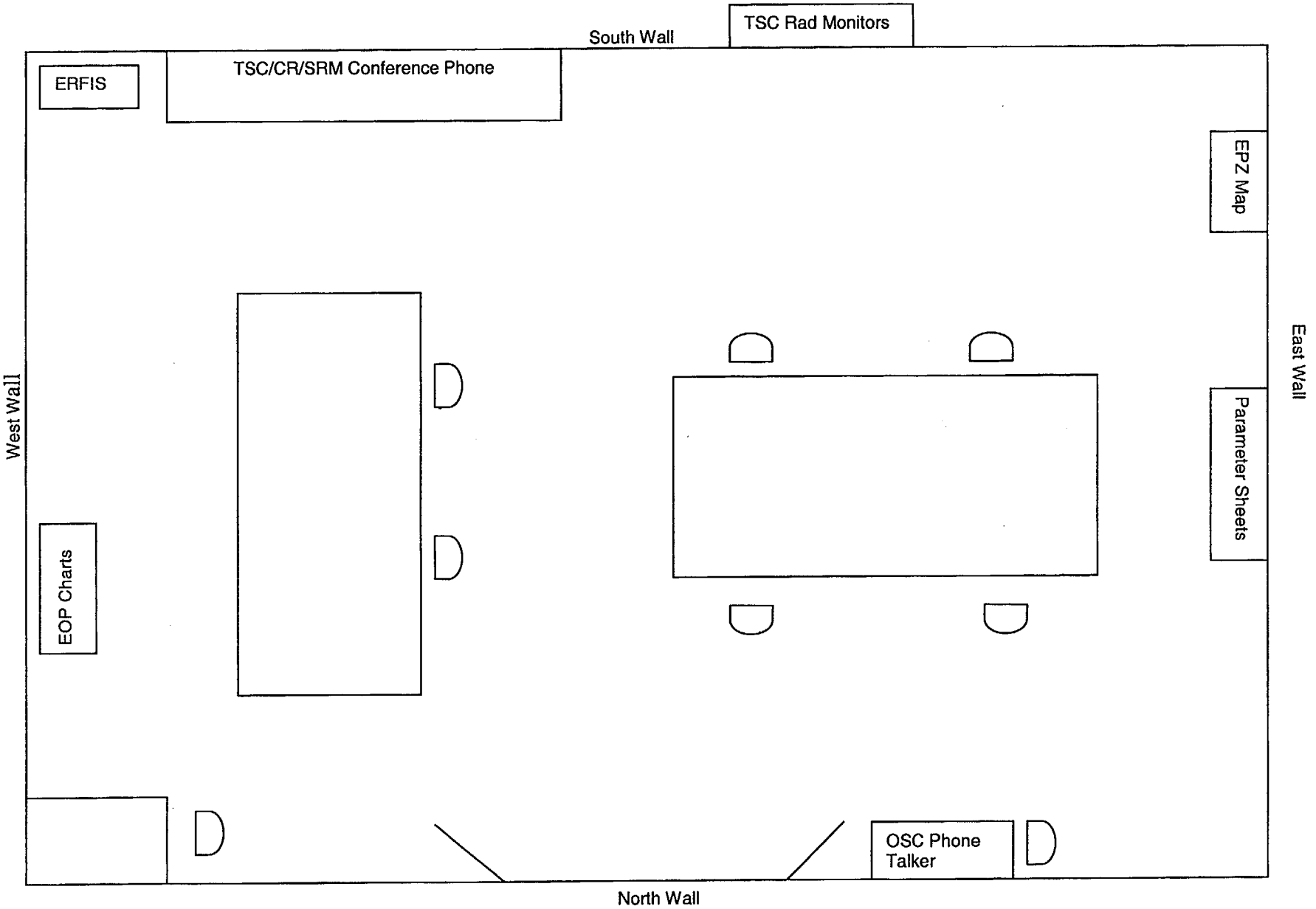


Figure 1
OP 3541 Original
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