



Entergy Nuclear Northeast  
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January 21, 2004  
BVY 04-006

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

**Subject: Vermont Yankee Nuclear Power Station  
License No. DPR-28 (Docket No. 50-271)  
Vermont Yankee Emergency Plan Implementing Procedure Changes**

In accordance with 10 CFR 50.54(q), enclosed is the latest changes to the Vermont Yankee Emergency Plan Implementing Procedures including the change memos and the 10 CFR 50.54(q) Evaluation Checklists:

OP 3506, Rev. 44  
OP 3541, Rev. 2, LPC#1  
OP 3543, Original, LPC#1  
OP 3547, Rev. 2, LPC#1

These changes were determined to not need prior NRC review and approval.

If you have any questions, please contact Audra Williams, Emergency Planning Coordinator, in our Brattleboro office at (802) 258-4177.

Sincerely,

Lori Tkaczyk  
Emergency Planning Manager

Attachments

cc: USNRC Region 1 Administrator  
USNRC Resident Inspector – VYNPS  
USNRC Project Manager – VYNPS (no attachments)  
David M. Silk, Senior Emergency Preparedness Specialist,  
USNRC Region 1  
Vermont Department of Public Service

A045

# E-Plan Implementing Plant Procedures

To: E-Plan Implementing Procedure Controlled Set Holders  
From: Technical Support - DCC - Ann M. Pichette - MC 1220  
Date: January 21, 2004  
Re: Entergy Vermont Yankee Emergency Plan Implementing Procedure Change #224,  
Instruction Sheet

A new Table of Contents is included. Replace Table of Contents dated December 17, 2003 with new Table of Contents dated January 21, 2004.

## REVISIONS:

The following Revs should replace the appropriate procedures:

### Proc/Rev #

### Procedure Title

OP 3506/44

Emergency Equipment Readiness Check

## LPCs:

The following LPC should be incorporated into the appropriate procedures:

### Proc/Rev #

### LPC #

### Procedure Title

OP 3541/2

1

Activation of the Technical Support Center (TSC)

OP 3543/Original

1

Activation of the Operations Support Center (OSC)

OP 3547/2

1

Security Actions During An Emergency

<b>Vermont Yankee Emergency Plan Implementing Procedures</b>				
<b>Table of Contents</b>				
<b>January 21, 2004</b>				
<b>Title</b>	<b>Number</b>	<b>Revision</b>	<b>LPC #</b>	<b>Use Classification</b>
Emergency Plan Classification and Action Level Scheme	AP 3125	Rev. 19		"Reference"
Emergency Communications	OP 3504	Rev. 36	2	"Reference"
Emergency Preparedness Exercises and Drills	OP 3505	Rev. 25		"Information"
Emergency Equipment Readiness Check	OP 3506	Rev. 44		"Reference"
Emergency Radiation Exposure Control	OP 3507	Rev. 30	1	"Reference"
On-Site Medical Emergency Procedure	OP 3508	Rev. 24	1	"Reference"
Environmental Sample Collection During an Emergency	OP 3509	Rev. 18		"Reference"
Off-Site and Site Boundary Monitoring	OP 3510	Rev. 27	1	"Reference"
Off-Site Protective Action Recommendations	OP 3511	Rev. 13	1	"Reference"
Evaluation of Off-Site Radiological Conditions	OP 3513	Rev. 22		"Reference"
Emergency Actions to Ensure Initial Accountability and Security Response	OP 3524	Rev. 20		"Reference"
Radiological Coordination	OP 3525	Rev. 11		"Reference"
Emergency Call-In Method	OP 3531	Rev. 17		"Reference"
Emergency Preparedness Organization	AP 3532	Rev. 11	1	"Information"
Post Accident Sampling of Reactor Coolant	OP 3533	Rev. 6	2	"Continuous"
Post Accident Sampling of Plant Stack Gaseous Releases	OP 3534	Rev. 4		"Continuous"
Post Accident Sampling and Analysis of Primary Containment	OP 3535	Rev. 4		"Continuous"
In Plant Air Sample Analysis with Abnormal Condition	OP 3536	Rev. 2		"Continuous"
Control Room Actions During an Emergency	OP 3540	Rev. 3	1	"Reference"
Activation of the Technical Support Center (TSC)	OP 3541	Rev. 2	1	"Reference"
Operation of the Technical Support Center (TSC)	OP 3542	Rev. 2		"Reference"
Activation of the Operations Support Center (OSC)	OP 3543	Rev. 0	1	"Reference"
Operation of the Operations Support Center (OSC)	OP 3544	Rev. 3	1	"Reference"
Activation of the Emergency Operations Facility/Recovery Center (EOF/RC)	OP 3545	Rev. 2	1	"Reference"
Operation of the Emergency Operations Facility/Recovery Center (EOF/RC)	OP 3546	Rev. 4		"Reference"
Security Actions During an Emergency	OP 3547	Rev. 2	1	"Reference"
Emergency Plan Training	OP 3712	Rev. 17	1	"Information"

**REVISED PROCEDURE CONTROL FORM**

**PART 1 - Initiation**

<b>A. Procedure No.</b> OP 3506	<b>New Revision No.</b> 44	<b>Title</b> Emergency Equipment Readiness Check	
<b>B. Review Criteria:</b>	<input type="checkbox"/> Partial <input checked="" type="checkbox"/> Complete	<input type="checkbox"/> Editorial	<b>C. Deleted</b>
<b>D. List DIs &amp; LPCs:</b> N/A <i>dw #1</i>			
<b>E. Description and Reasons for Procedure/Changes:</b>			
<ul style="list-style-type: none"> <li>• CR-VTYLO-2003-0037- Revised VYOPF 3506.02 and .10 to include only one copy of OP 3510 in each kit. Also added AP 0505 and bottled water.</li> <li>• CR-VTYLO-2003-0203 – Split VYOPF 3506.02 into two separate surveillances: .02 will remain with RP and .14 EP will be responsible for.</li> <li>• CR-VTYLO-2003-0680 – Added recommendations by Security. <i>changed AP 0537 to ENN-RP-10A.</i></li> <li>• Added verification of JNC Guideline phone numbers to VYOPF 3506.13 <i>Added reference to DP 4535 per RP.</i></li> <li>• Removed the TSC personnel Sign In Forms Book from the TSC and replaced with clipboards containing the procedures.</li> <li>• Removed VYOPF 3508.01 from VYOPF 3506.11 as it no longer exists in procedure.</li> <li>• Removed the Inner Gatehouse Site Boundary Team Kit as Security no longer performs this function.</li> <li>• VYOPF 3506.06 - Changed the 5cc syringe to a 1 cc syringe in the Containment Sampling kit at Checkpoint per RP.</li> </ul>			
<b>F. Originator Name:</b> (App. A was used as references to create this revision, App. C is completed and attached unless Part 1.B above is "Editorial".)			<b>Telephone Extension:</b>
(Print/sign/date) Audra Williams <i>Audra Williams</i>		11/8/03	x4177

**PART 2 - Reviews**

<b>A. Walk-Through Validation:</b> <input type="checkbox"/> Required <input checked="" type="checkbox"/> N/A		<b>B. Technical Verification Reviewer</b> <input type="checkbox"/> N/A	
<input type="checkbox"/> Field Walk-Through <input type="checkbox"/> Table-Top <input type="checkbox"/> Simulator Validation		(App. B used as a reference) (Print/Sign/Date) <i>Lori A. Tkaczuk</i> <i>Robert Marz</i> <i>11/13/04</i>	
<b>C. Cross-Discipline Reviews:</b> <input type="checkbox"/> N/A			
<b>Department</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
RP	Terri Smith	<i>See attached page</i>	
RP	Rebecca Johnson	<i>Rebecca Johnson</i>	<i>11-17-03</i>
<b>D. 50.59 Review Per AP 6002, Preparing 50.59 Evaluations</b> <input type="checkbox"/> N/A			
<input checked="" type="checkbox"/> 50.59 AD previously performed and documented in the text of this procedure and is still applicable. <input type="checkbox"/> 50.59 Applicability Determination completed and attached; 50.59 Screening NOT required. <input type="checkbox"/> 50.59 Review Screening completed and attached, 50.59 Evaluation NOT required. <input type="checkbox"/> 50.59 Evaluation completed and attached.			
<b>E. QUALIFIED REVIEWER:</b> Use App. D as a reference (May perform 50.59 Applicability Determination) (Part 2.D)			
(Print/Sign/Date) Audra Williams			11/8/03

**NOTE**

During the revision of an existing procedure, any return to DCC for additional processing beyond 3 iterations requires approval by the Superintendent Technical Support.

<b>F. ORIGINATOR:</b>		<input checked="" type="checkbox"/> Comments Resolved	<input checked="" type="checkbox"/> Re-verify All DIs & LPCs Considered
<input checked="" type="checkbox"/> Sent for Final Type		(CDS or STC (SPs only)) Initial/Date <i>DWR 1/5/04</i>	
<input checked="" type="checkbox"/> Proofread after Final Type			
(Print/Sign/Date) Audra Williams		<i>Audra Williams</i> <i>1-15-04</i>	

**REVISED PROCEDURE CONTROL FORM**

**PART 1 - Initiation**

<b>A. Procedure No.</b> OP 3506	<b>New Revision No.</b> 44	<b>Title</b> Emergency Equipment Readiness Check	
<b>B. Review Criteria:</b>	<input type="checkbox"/> Partial <input checked="" type="checkbox"/> Complete	<input type="checkbox"/> Editorial	<b>C. Deleted</b>
<b>D. List DIs &amp; LPCs:</b> N/A			
<b>E. Description and Reasons for Procedure/Changes:</b>			
<ul style="list-style-type: none"> <li>• CR-VTYLO-2003-0037- Revised VYOPF 3506.02 and .10 to include only one copy of OP 3510 in each kit. Also added AP 0505 and bottled water.</li> <li>• CR-VTYLO-2003-0203 – Split VYOPF 3506.02 into two separate surveillances: .02 will remain with RP and .14 EP will be responsible for.</li> <li>• CR-VTYLO-2003-0680 – Added recommendations by Security.</li> <li>• Added verification of JNC Guideline phone numbers to VYOPF 3506.13</li> <li>• Removed the TSC personnel Sign In Forms Book from the TSC and replaced with clipboards containing the procedures.</li> <li>• Removed VYOPF 3508.01 from VYOPF 3506.11 as it no longer exists in procedure.</li> <li>• Removed the Inner Gatehouse Site Boundary Team Kit as Security no longer performs this function.</li> <li>• VYOPF 3506.06 - Changed the 5cc syringe to a 1 cc syringe in the Containment Sampling kit at Checkpoint per RP.</li> </ul>			
<b>F. Originator Name:</b>		(App. A was used as references to create this revision, App. C is completed and attached unless Part 1.B above is "Editorial".)	<b>Telephone Extension:</b>
(Print/sign/date) Audra Williams		<i>Audra Williams</i>	11/8/03 x4177

**PART 2 - Reviews**

<b>A. Walk-Through Validation:</b> <input type="checkbox"/> Required <input checked="" type="checkbox"/> N/A	<b>B. Technical Verification Reviewer</b> <input type="checkbox"/> N/A (App. B used as a reference) (Print/Sign/Date)		
<input type="checkbox"/> Field Walk-Through <input type="checkbox"/> Table-Top <input type="checkbox"/> Simulator Validation			
<b>C. Cross-Discipline Reviews:</b> <input type="checkbox"/> N/A			
<b>Department</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
RP	Terri Smith	<i>Terri C. Smith</i>	11-19-03
RP	Rebecca Johnson	<i>Rebecca Johnson</i>	11-17-03
<b>D. 50.59 Review Per AP 6002, Preparing 50.59 Evaluations</b> <input type="checkbox"/> N/A			
<input checked="" type="checkbox"/> 50.59 AD previously performed and documented in the text of this procedure and is still applicable. <input type="checkbox"/> 50.59 Applicability Determination completed and attached; 50.59 Screening NOT required. <input type="checkbox"/> 50.59 Review Screening completed and attached, 50.59 Evaluation NOT required. <input type="checkbox"/> 50.59 Evaluation completed and attached.			
<b>E. QUALIFIED REVIEWER:</b> Use App. D as a reference (May perform 50.59 Applicability Determination) (Part 2.D) (Print/Sign/Date) Audra Williams 11/8/03			

NOTE

During the revision of an existing procedure, any return to DCC for additional processing beyond 3 iterations requires approval by the Superintendent Technical Support.

<b>F. ORIGINATOR:</b>	<input type="checkbox"/> Comments Resolved	<input type="checkbox"/> Re-verify All DIs & LPCs Considered
<input type="checkbox"/> Sent for Final Type	(CDS or STC (SPs only)) Initial/Date _____	
<input type="checkbox"/> Proofread after Final Type		
(Print/Sign/Date)		

REVISED PROCEDURE CONTROL FORM (Continued)

**PART 3 - Training/Notification Requirements**

A. Indicate training or notifications required to implement procedure: (Required for Administrative Procedures)

Include in formal training (TCR submitted):

E-Mail notification: to RP/EP

Crew Briefings:

Other:

N/A

**PART 4 - PORC**

Plant Operation Review Committee:  Required  N/A

Meeting No:

PORC Secretary:

Date:

Plant Manager:

**PART 5 - Approval**

A. Responsible Procedure Owner: (Print/Signature/Date)

Brian M. Finin *Brian M. Finin* 1/19/04

B. Plant Manager (Print/Sign/Date) (For SPs Only)

N/A

C. Special Instructions:  N/A

Approved for Training

Issue on DATE: 1-21-04

Submit Surveillance Database Change per AP 4000

Other:

**PART 6 - Issuance**

Procedure Change No.: Implementing Chg. # 224

Date procedure issued: 01/21/2004

Notes:

## 10 CFR 50.54(q) Evaluation Checklist

List of Emergency Plan Section(s)/Emergency Plan Implementing Procedure(s) or any other document to be evaluated. (Include Title and Revision No.):

OP 3506, Rev. 44, Emergency Equipment Readiness Check

### A. Screening Evaluation

Based on a review of the following questions, determine if the change has the potential to affect our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.

A "YES" answer to any part of the questions requires that a written evaluation be done to determine whether the effectiveness of the Emergency Plan was decreased as specified in Section B of this checklist.

A "NO" answer to all questions requires no written evaluation as specified in Section B of this checklist.

1. Could the proposed change affect our ability to meet the following standards of 10CFR50.47(b):

- (1) Assignment of Emergency Response Organization responsibilities
- (2) Assignment of on-shift Emergency Response Organization personnel
- (3) Arrangements for Emergency Response Support and Resources
- (4) Emergency Classification and Action levels, including facility system and effluent parameters
- (5) Notification Methods and Procedures
- (6) Emergency Communications among principal response organizations and the public
- (7) Public Education and Information
- (8) Adequacy of Emergency Facilities and Equipment
- (9) Adequacy of Accident Assessment methods, systems and equipment
- (10) Plume exposure pathway EPZ protective actions
- (11) Emergency Worker Radiological Exposure Control
- (12) Medical Services for contaminated injured individuals
- (13) Recovery and Reentry Plans
- (14) Emergency response periodic drills and exercises
- (15) Radiological Emergency Response Training
- (16) Plan development, review and distribution

	YES	NO
		X
		X
		X
		X
		X
		X
	X	
		X
		X
		X
		X
		X
		X
		X
		X

**10 CFR 50.54(q) Evaluation Checklist (Continued)**

YES	NO
-----	----

2. Could the change affect our ability to meet the following requirements of Appendix E to 10CFR50

- (1) Section IV. A - Organization
- (2) Section IV. B - Assessment Actions
- (3) Section IV. C - Activation of Emergency Organizations
- (4) Section IV. D - Notification Procedures
- (5) Section IV. E - Emergency Facilities and Equipment
- (6) Section IV. F - Training
- (7) Section IV. G - Maintaining Emergency Preparedness
- (8) Section IV. H - Recovery

	X
	X
	X
	X
X	
	X
	X
	X

**B. Effectiveness Determination**

For each applicable (i.e., a "yes" answer specified) standard to 10CFR50.47(b) and Appendix E to 10CFR50 identified from Section A above, complete the evaluation form below to determine whether the change decreases the effectiveness of the Emergency Plan and whether it continues to meet the stated applicable standard or requirement.

A facsimile of the evaluation form may be used as needed and attached to this checklist.

For applicable item 10CFR50.47(b)(8) & Appendix E, Section IV. E of Section A above, this change

- DOES     DOES NOT decrease the effectiveness of the Emergency Plan and  
 DOES     DOES NOT continue to meet the stated applicable standard or requirement.

**BASIS FOR ANSWER:**

Changes to the procedure were to improve the surveillance of emergency equipment. E-Plan will assume some of the equipment surveillance from RP that includes procedures, books, supplies, etc. RP will continue to survey all equipment, i.e., RM-14s, dosimeters, respirators, e-kits, etc.

E-kits were updated per team suggestions. Only one copy of OP 3510 will be in the kit as well as adding AP 0505 and bottles of water.

Added verification of telephone numbers in the JNC Guidelines to VYOPF 3506.13.

10 CFR 50.54(q) Evaluation Checklist (Continued)

C. Conclusion (Fill out appropriate information)

- The changes made do not decrease the effectiveness of the Emergency Plan and continue to meet the standards of 10CFR50.47(b) and the requirements of Appendix E to 10CFR50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10CFR50.47(b) and the requirements of Appendix E to 10CFR50. The following course of action is recommended:
  - Revise proposed changes to meet applicable standards and requirements.
  - Cancel the proposed changes.
  - Process proposed changes for NRC approval prior to implementation in accordance with 10CFR50.54(q).

D. Impact on Other Documents (TRM, Tech Specs)

Keywords used in search: \_\_\_\_\_

- This change does not affect any other documents.
- This change does affect other documents.

Document(s) affected: \_\_\_\_\_

Section(s) affected: \_\_\_\_\_

E. Impact on the Updated FSAR

Use AP 6036 to determine if the proposed E-Plan change modifies existing UFSAR information or requires the addition of new UFSAR information and initiate UFSAR change(s) as required.

Keywords used in UFSAR search: no impact on the UFSAR

Additional Comments:

Prepared By: Audra Williams *Audra Williams* Date: 11/8/03  
(Print/Sign)

Reviewed By: Loni A. Kaczynski *Loni A. Kaczynski* Date: 1/13/04  
(Emergency Plan Coordinator) (Print/Sign)

**APPENDIX C  
CROSS-DISCIPLINE REVIEW CHECKLIST**

Required to be completed for new procedures, procedure revisions, and LPCs unless they are designated as Editorial.

Procedure Number/Revision OP 3506, Rev. 44

Reviewer/Date (Print) Audra Williams 11/8/03

**GENERAL REVIEW GUIDELINES/SPECIAL REVIEW REQUIREMENTS**

- The Cross-Discipline Review Guidelines below constitute minimum review requirements; other reviews may apply.
- Determination of reviews should focus on *changes* made to a procedure and the potential impact of those changes on the affected group. Changes that are minimally or nonimpacting do not need review by the potentially affected group. If change impact is unclear, the procedure should be routed to the potentially affected group for review.
- New or revised Administrative or Program Procedures that significantly impact other departments, shall be reviewed by the appropriate Superintendent or Senior Manager. The PAA maintains a list of these Administrative and Program Procedures.
- ALL noneditorial changes to Special Process procedures (WP, NE, heat treating, etc.), including Vendor Procedures that address Special Processes, shall be reviewed by: a Welding Engineer (welding procedures) or a NDE Level III certified in the method addressed by the procedure (nondestructive examination procedures), AND the Quality Assurance Manager, AND submitted to the Authorized Nuclear Inservice Inspector (ANII) prior to use.
- A "YES" indicates that a Cross Discipline Review shall be done by the indicated Department. Document the review on VYAPF 0096.01, VYAPF 0097.01, or VYAPF 0097.02, as applicable.

	APPLICABLE	
	YES	NO
<b>Chemistry:</b> <ul style="list-style-type: none"> <li>• Potentially affects condensate, feedwater, or reactor water chemistry, or chemistry instruments.</li> <li>• Procedures that implement the requirements of the VY Environmental Program. (see PP 7603, Appendix A)</li> <li>• Produces/affects effluents or effluent monitoring (VY/QA 01-015).</li> <li>• Affects NPDES limits or method of compliance.</li> </ul>		X
<b>Maintenance (Mech, Elec, I&amp;C):</b> <ul style="list-style-type: none"> <li>• Requires Maintenance personnel to perform activities, such as performance of maintenance procedures, installation of M&amp;TE, lifting and landing of leads and connectors.</li> </ul>		X
<b>Operations:</b> <ul style="list-style-type: none"> <li>• Changed requirements for entry into a Limiting Condition for Operation (LCO) or significantly changes duration of LCO.</li> <li>• Requires Operations alignment/restoration of systems or components.</li> <li>• Specifies surveillance or post maintenance testing by Operations.</li> </ul>		X
<b>EOP/SAG Coordinator:</b> <ul style="list-style-type: none"> <li>• Procedures that have the potential to affect the EOPs/SAGs.</li> </ul>		X

<b>Quality Assurance:</b> <ul style="list-style-type: none"> <li>Compliance with QA Program requirements cannot be readily determined by the Qualified Reviewer.</li> </ul>		X
<b>Radiation Protection:</b> <ul style="list-style-type: none"> <li>Involves work in contaminated areas and high radiation areas.</li> <li>Involves work that breaches contaminated systems or components.</li> <li>Changes in radwaste or hazardous waste generation.</li> </ul>		X
<b>Emergency Plan Coordinator:</b> <ul style="list-style-type: none"> <li>Emergency Plan Implementing Procedures.</li> <li>Obtain and attach a 10CFR50.54(q) Evaluation.</li> <li>Affects Emergency Plan personnel, facilities or equipment.</li> </ul>	X	
<b>Software Quality Assurance Administrator</b> <ul style="list-style-type: none"> <li>Procedures that define how software is developed.</li> </ul>		X
<b>Reactor Engineering:</b> <ul style="list-style-type: none"> <li>Could affect core reactivity, thermal power, reactor heat balance, or fuel integrity.</li> <li>Involves refueling operations.</li> </ul>		X
<b>Systems/Project/Design Engineering:</b> <ul style="list-style-type: none"> <li>Maintenance Rule in-scope systems unavailability time.</li> <li>Involves infrequently performed test or evolution.</li> <li>Changed requirements for entry into a Limiting Condition for Operation (LCO) or significantly changes duration of LCO.</li> <li>Significant changes in system test or operation methodology.</li> </ul>		X
<b>Appendix J Coordinator:</b> <ul style="list-style-type: none"> <li>Changes that affect App. J leakrates or containment boundaries, or boundary valve manipulation.</li> </ul>		X
<b>Appendix R Coordinator:</b> <ul style="list-style-type: none"> <li>Appendix R implementing procedures.</li> </ul>		X
<b>Environmental Qualification (EQ) Coordinator:</b> <ul style="list-style-type: none"> <li>Change in EQ test methodology or component lifetime.</li> <li>Potentially affects area EQ component environment.</li> </ul>		X
<b>Fire Protection Coordinator (FPC):</b> <ul style="list-style-type: none"> <li>Fire Protection procedures.</li> <li>Affects fire loading</li> <li>Affects fire barrier integrity.</li> <li>Affects fire protection systems or component functionality.</li> </ul>		X
<b>IST Program Coordinator:</b> <ul style="list-style-type: none"> <li>Inservice Testing Program implementing procedures.</li> <li>All surveillance procedures.</li> </ul>		X
<b>ISI Program Coordinator:</b> <ul style="list-style-type: none"> <li>Inservice Inspection Program implementing procedures.</li> </ul>		X

<b>Setpoint Coordinator:</b> <ul style="list-style-type: none"> <li>• Changes that impact setpoints; as-found/as-left tolerances, M&amp;TE or testing methodology.</li> </ul>		X
<b>Nuclear &amp; PRA</b> <ul style="list-style-type: none"> <li>• Potentially affects IPEEE or ORAM Sentinel Risk Models.</li> <li>• Potentially affects plant SSCs reliability.</li> <li>• Potentially affects Nuclear or Radiological Safety Analysis.</li> </ul>		X
<b>Security:</b> <ul style="list-style-type: none"> <li>• Procures that implement the requirements of the VY Physical Security and Training and Qualification Plans.</li> <li>• Changes that have a potential for reduction of the VY Physical Security and Training and Qualification Plan commitments.</li> <li>• Obtain and attach a 10CFR50.54(P) Evaluation.</li> </ul>		X
<b>MOV Program Coordinator:</b> <ul style="list-style-type: none"> <li>• Potentially affects system parameters for which MOV operation has been evaluated.</li> </ul>		X
<b>AOV Program Coordinator:</b> <ul style="list-style-type: none"> <li>• Potentially affects system parameters for which AOV operation has been evaluated.</li> </ul>		X

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3506

REVISION 44

EMERGENCY EQUIPMENT READINESS CHECK

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages

Implementation Statement: N/A

Issue Date: 01/21/2004

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## 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

### 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.

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 Manager (EPM) will ensure that:

1. Emergency Response phone numbers are updated via VYOPF 3506.13.
2. Physical inventory of Emergency Equipment as listed on VYOPF 3506.14 on a scheduled basis and subsequent to each usage.

Monthly, the EPM 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.

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.

The Security Department conducts radio communications capability checks with the Windham County Sheriff's Department IAW DP 0858.

In accordance with AP 6002, Preparing 50.59 Evaluations, the results of an Applicability Determination (AD) has determined that an AD is not required for future changes, provided the scope of the procedure or program is not revised to include a different type of activity. The basis for this conclusion is that this document is an Emergency Implementing Procedure and is subject to 10CFR50.54(q) to determine if the changes decrease the effectiveness of the Emergency Plan and if they have the potential to affect our ability to meet the standards of 10CFR50.47(b) and the requirements of 10CFR50 Appendix E.

## ATTACHMENTS

1. VYOPF 3506.01 Control Room Monthly Emergency Communications Checklist
2. VYOPF 3506.02 Emergency Equipment Checklist (RP)
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 Documentation Change Tracking Form
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 Telephone Number Check
14. VYOPF 3506.14 Emergency Equipment Checklist (EP)

## QA REQUIREMENTS CROSS REFERENCE

1. None

## 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. Vermont Yankee EPZ Public Notification System Maintenance Procedures  
Northeast Mountain Radio, Inc.
  - b. Vermont Yankee Physical Security Plan
  - c. YA-NOG-9101, Procedure for Operation of the Nuclear Alert System (NAS)
  - d. ENN-MP-101, Materials, Purchasing and Contracts Process
  - e. ENN-RP-104, Personnel Contamination Events
  - f. AP 0156, Notification of Significant Events
  - g. AP 0505, Respiratory Protection

- h. AP 0506, Personnel Monitoring
- i. AP 0525, Dosimetry Processing
- j. AP 0546, Planned Special Exposures
- k. DP 0858, Security Activities, Log and Equipment Inventory
- l. DP 0863, Operational Testing and Inspection of Security Equipment
- m. DP 2521, Operation and Calibration of the Eberline Mobile Continuous Air Monitor
- n. OP 2611, Stack Effluent Sampling and Analysis
- o. AP 3125, Emergency Plan Classification and Action Level Scheme
- p. OP 3504, Emergency Communications
- q. OP 3507, Emergency Radiation Exposure Control
- r. OP 3508, On-Site Medical Emergency Procedure
- s. OP 3510, Off-Site and Site Boundary Monitoring
- t. OP 3511, Off-Site Protective Action Recommendations
- u. OP 3513, Evaluation of Off-Site Radiological Conditions
- v. OP 3524, Emergency Actions to Ensure Initial Accountability and Security Response
- w. OP 3525, Radiological Coordination
- x. OP 3533, Post Accident Sampling of Reactor Coolant
- y. OP 3534, Post Accident Sampling of Plant Stack Gaseous Releases
- z. OP 3540, Control Room Actions During an Emergency
- aa. OP 3541, Activation of the Technical Support Center (TSC)
- bb. OP 3542, Operation of the Technical Support Center (TSC)
- cc. OP 3543, Activation of the Operations Support Center (OSC)
- dd. OP 3544, Operation of the Operations Support Center (OSC)
- ee. OP 3545, Activation of the Emergency Operations Facility/Recovery Center (EOF/RC)
- ff. OP 3546, Operation of the Emergency Operations Facility/Recovery Center (EOF/RC)
- gg. OP 3547, Security Actions During an Emergency
- hh. OP 4533, Airborne Radioactivity Concentration Determination
- ii. DP 4535, Technical Support Center Radiation Monitor Functional/Calibration
- jj. DP 4562, Calibration and Operation of the SAM-2
- kk. DP 4579, Respiratory Protection Equipment Inspection and Maintenance
- ll. AP 6807, Collection, Temporary Storage and Retrieval of QA Records
- mm. 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 VYDPF 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 Manager (EPM):  
Ext. 4160
- 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.

~~XXXXXXXXXX~~  
~~XXXXXXXXXX~~

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

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 [REDACTED]

- 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 [REDACTED]

- b. Contact the Shelburne dispatcher using the following message:
- 1) "Shelburne Control, 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)**

1. Refer to any control copy and list the current revision and LPC of the procedures and forms.
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.
6. 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.
7. Attach an initialed and dated seal to the kit.
8. Make notes on the status of equipment and correct all deficiencies.
9. Check operability of RTime on specified computers by locating icon on desktop (or through program menu) and opening application. If not operational, a remedy case is to be submitted to IT for repair.
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, upon receipt of VYOPF 3506.02, identify any discrepancies, state corrective actions taken in a memo to file, and file 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 Limited Procedure Change 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 Manager (EPM) 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. Verify the phone numbers in the Joint News Center Implementation Guidelines are accurate.
  - e. Place the latest Vermont Yankee phone list in the Emergency Response Telephone Directory.
  - f. Sign and date VYOPF 3506.13.

- g. 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. Quarterly Emergency Equipment Check (EP)  
(Use VYOPF 3506.14)

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 LPC of the procedures and forms listed on VYOPF 3506.07.
2. Obtain a copy of VYOPF 3506.14.
3. Contact the Emergency Plan Coordinator (EPC) for any special instructions.
4. Inventory Emergency equipment against material listed on VYOPF 3506.14.
5. If necessary, update any copies of procedures or forms specified on VYOPF 3506.14. Refer to VYOPF 3506.07 for current Rev. and LPC Nos.
6. Check operability of telephones and associated phone jacks listed on VYOPF 3506.14.
7. Replace material and equipment as required. Materials whose expiration or shelf life will expire prior to the next scheduled performance of this portion of OP 3506 should be replaced.
8. Make notes on the status of equipment and correct all deficiencies.
9. Check operability of RTime on specified computers by locating icon on desktop (or through program menu) and opening application. If not operational, a remedy case is to be submitted to IT for repair.

10. Submit the completed VYOPF 3506.14 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 equipment.
11. The EPC will, upon receipt of VYOPF 3506.14, identify any discrepancies, state corrective actions taken in a memo to file, and file in accordance with AP 6807.

I. 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.

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

Whenever an EPIP change is received from the Document Control Center, 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, even if no changes were necessary, VYOPF 3506.09, .10, .11 or .12 to the EPC for review within 10 days of Issue date.
5. The EPC shall file the VYOPF 3506 forms in accordance with AP 6807.

K. 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 and make long distance calls, and make tie line calls to 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.

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

### L. Daily Windham County Sheriff's Radio Communication Check

Radios are tested at least once each day IAW DP 0863 and documented on VYDPF 0863.03. Radios are located in the plant site, CAS and SAS and provide direct communication to the Windham County Sheriff's Department

### M. Monthly Security Testing of E-Plan Radios

Security maintains portable radios for E-Plan response. Testing of these radios is conducted IAW DP 0863 and documented on VYDPF 0863.03.

## 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 \_\_\_\_\_

Time \_\_\_\_\_

A. Nuclear Alert System

- 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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CONTROL ROOM MONTHLY EMERGENCY COMMUNICATIONS CHECKLIST (Continued)

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 Manager (Print/Sign) Date

Reviewed By \_\_\_\_\_ / \_\_\_\_\_  
EPC (Print/Sign) Date

EMERGENCY EQUIPMENT CHECKLIST (RP)

ITEMS

INITIALS

I. Outer Gate Guardhouse

**NOTE**

Inspection of respirators/canisters required only following a drill or event.

- A. Inspect respirators (6) (as per DP 4579) \_\_\_\_\_
  - 1. Check expiration date on filter canisters (6) \_\_\_\_\_
  - 2. Check particulate canisters (6) \_\_\_\_\_
  - 3. VYDPF 4579.04 completed and submitted for review \_\_\_\_\_
  
- B. Inventory Respirators (6) \_\_\_\_\_
  - 1. Inventory Filter Canisters (6) \_\_\_\_\_
  - 2. Inventory Particulate Canisters (6) \_\_\_\_\_
  
- C. Mobile UHF System Base Radio Station (Located in locked section of Gate 1) \_\_\_\_\_

Performed by: \_\_\_\_\_ Date: \_\_\_\_\_

(Print/Sign)

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS

INITIALS

II. Emergency Operations Facility (EOF) - Brattleboro

A. Emergency Equipment Cabinet #3

NOTE

Inspection of respirators/canisters required only following a drill or event.

- |    |   |                         |
|----|---|-------------------------|
| 1. | 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                      | _____                   |
| 2. | Inventory respirators (12)  | _____                   |
| a. | Inventory filler canisters (12)                                   | _____                   |
| 3. | One (1) Box Air Sampler Filters (50 mm)                           | _____                   |
| 4. | Ten (10) Air Sampler Charcoal Cartridges                          | _____                   |
| 5. | Nine (9) Two Dram Vials   | _____                   |
| 6. | Ten (10) Silver Zeolite Air Sample Cartridges (Sealed in plastic) | _____                   |
| 7. | Thirty-four (34) Small Poly Bags                                  | _____                   |
| 8. | Box of non-time critical items                                    | _____                   |
| a. | Six (6) Air Sampler Environmental Cartridges                      | _____                   |
| b. | Twelve (12) Small Poly 23 ml Bottles                              | _____                   |
| c. | Eight (8) Large Poly Bottles                                      | _____                   |
| d. | Twelve (12) Medium Poly Bags                                      | _____                   |

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS	INITIALS
B. Emergency Equipment Cabinet #4	
1. Low Volume Air Sampler (1)	_____
a. Calibration Up-to-Date	_____ (Cal. 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	_____
6. Gamma Dose Rate Meter (2)	_____
a. Battery Check OK	_____
b. Calibration Up-To-Date	_____ (Cal. Due Date) _____
7. Flashlights (12)	_____
8. Batteries (12)	_____
9. Check Source (Strength >1 mR/hr but <4 mR/hr)	_____
10. SAM-II Ba-133 Source	_____

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS

INITIALS

C. The following equipment is located in the Sprinkler Room of the Training Center (Room 118):

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)

2. (3) RM-14 with HP-210 Probe \_\_\_\_\_

a. Battery Check OK \_\_\_\_\_

b. Calibration Up-To-Date \_\_\_\_\_

(Cal. Due Date) \_\_\_\_\_

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS	INITIALS
D. Miscellaneous Items	
1. Test data line for Dose Tracking System - Ingress. Perform the following steps for system operability:	_____
a. DEC terminal plugged into wall module, jack #28d, in OSMT Communications Area.	_____
b. The system is ready to operate:	
1) Type in RWP1 account name and password ID.	
2) At the menu, the HIS is ready for access.	
3) To log-off the HIS, at the menu:	
a) select the EXIT option and press the <RETURN> key,	
2. METPAC PC System operational.	_____
a. Log onto the system and record METPAC version.	_____ <u>METPAC Version:</u>
3. SAM-II - Perform source check per DP 4562 to verify proper operation (source is located in Cabinet #4, EOF).	_____ <u>(Cal. Due Date)</u>

Performed by: \_\_\_\_\_ Date: \_\_\_\_\_  
(Print/Sign)



EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS	INITIALS
3. Gamma Dose Rate Meter (5)	
a. Battery check OK	_____
	_____
b. Calibration up-to-date	_____
	_____ Calibration Due Date
	_____ Calibration Due Date

<p><b><u>NOTE</u></b></p> <p>Inspection of respirators/canisters required only following a drill or event.</p>
--

4. Inspect respirators (16) per DP 4579	_____
a. Check expiration date on filter canisters (16)	_____
b. VYDPF 4579.04 completed and submitted for review	_____
5. Inventory respirators (16)	_____
a. Inventory filter canisters (16)	_____

**D. Site Boundary Team Kit**

1. Site Boundary clipboard	_____
a. OP 3510 (1 copy)	_____
b. AP 0505 (1 copy)	_____
c. Paper pad	_____
2. High range dosimeters (4)	_____
a. Calibration up-to-date	_____ (Cal. Due Date)
b. Dosimeter charger operational check	_____
3. Check Source	_____
a. Strength >1 mR/hr. and <4mR/hr	_____

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

	ITEMS	INITIALS
4.	Potassium Iodide (KI)	_____
	a. Check expiration date	_____ (Exp. Date)
5.	Stopwatch	_____
	a. Operational check	
6.	Flashlight (1) operational check	_____
7.	Batteries "D" cells (2)	_____
8.	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)

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS

INITIALS

E. Off-Site Emergency Kits

**NOTE**

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

	Kit 1 <u>(BLUE)</u>	Kit 2 <u>(GREEN)</u>	Kit 3 <u>(BLACK)</u>
1. Off-Site Team Clipboard	_____	_____	_____
a. OP 3510 (1 copy)	_____	_____	_____
b. AP 0505 (1 copy)	_____	_____	_____
2. High range dosimeters (4)	_____	_____	_____
a. Calibration date	_____		
	Calibration Date		
b. Dosimeter charger - operational check	_____	_____	_____
3. Check Source	_____	_____	_____
a. Strength >1mR/hr. and <4mR/hr	_____	_____	_____
4. Potassium Iodide (KI)	_____	_____	_____
a. Check expiration date	_____		
	Expiration Date		
5. Stopwatch	_____	_____	_____
a. Operational check	_____	_____	_____
6. Flashlights (2) operational check	_____	_____	_____
7. Batteries "D" cells (6)	_____	_____	_____
8. Pre-Determined Sample Locations Sheet	_____	_____	_____
9. Bottled water (2)	_____	_____	_____
a. Check expiration date	_____	_____	_____

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS	INITIALS
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)	
F. All equipment and materials returned to the kits and the kits sealed	

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS	INITIALS
G. RP Checkpoint	
1. OSC Dosimetry Kit	
a. Dosimeters	
1) 20 Self Reading Dosimeters (SRDs)	_____
2) 1 SRD Charger (AC)	_____
3) 20 TLDs	_____
4) 2 TLD Controls	_____
5) 6 Extremity TLDs	_____
6) 2 Extremity Controls	_____
7) High Range Dosimeters (13) (located in drawer)	_____
a) Calibration up-to-date	_____ (Cal. Due Date)
b. Procedures	
1) AP 0506, Personnel Monitoring	_____
2) AP 0525, Dosimetry Processing	_____
3) AP 0546, Planned Special Exposure	_____
4) OP 3507, Emergency Radiation Exposure Control	_____
c. Forms	
1) NRC Form 4	_____
2) Exposure History Release Forms	_____
3) General Access RWP	_____
4) VYAPF 0525.06, Pregnant Woman Declaration Form	_____

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS	INITIALS
5) VYAPF 0506.08, Multibadge TLD Location Form	_____
6) VYOPF 3507.01, Personnel Exposure Log	_____
7) VYAPF 0506.07, Administration Radiation Exposure Control Change Request	_____
8) VYAPF 0525.09, Lost, Damaged or Misused Dosimetry Report	_____
9) VYAPF 0525.08, Visitor/Tour Member Logsheet	_____
10) AF.01, PADs Consent Form	_____
11) VYAPF 0525.07, Reg. Guide 8.13 Logsheet	_____
12) VYAPF 0525.11, RWP Sign-In Sheet	_____
2. SAM-2 - Perform source check per DP 4562 to verify proper operation (source is located in RP Checkpoint source locker)	_____ (Cal. Due Date)
3. Medical Team Emergency Electronic Dosimeters (5)	
a. Calibration up-to-date	_____ Cal Due Date
b. Replace batteries	_____
4. Computer w/RTIME operational (Checkpoint) (Connected to Plant ERFIS)	_____

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS	INITIALS
H. Maintenance Shop Entrance	
1. Medical Team Emergency Electronic Dosimeters (5)	
a. Calibration up-to-date	_____ Cal Due Date _____
b. Replace batteries	_____

Performed by: \_\_\_\_\_ Date: \_\_\_\_\_

(Print/Sign)

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS

INITIALS

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 \_\_\_\_\_ (Cal. Due Date) \_\_\_\_\_

NOTE

Inspection of respirators/canisters required only following a drill or event.

- 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. Inventory respirators (6) \_\_\_\_\_
  - a. Inventory filter canisters (6) \_\_\_\_\_
  - b. Inventory particulate canisters (6) \_\_\_\_\_
- 4. Verify with Security that a minimum of five (5) bag radios are available for use \_\_\_\_\_

Performed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Sign)

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS	INITIALS
V. Main Control Room	
A. General Equipment	
1. Area Map/Dispersion "wheel"	_____
2. High range dosimeters (5)	_____
a. Calibration up-to-date	_____ (Cal. Due Date) _____
b. Dosimeter charger operational check	_____
3. Potassium iodide (KI)	
a. Check expiration date	_____ (Exp. Date) _____
4. Emergency Plan	_____
5. Emergency Plan Implementing Procedures	_____
6. Emergency Logbook	_____
7. Status Forms Drawer	_____
8. SAM RPV Cutaway Operator Aid	_____

<p><b><u>NOTE</u></b></p> <p>Inspection of Scott-Pacs required only following an event.</p>
---

- |   |       |
|---|-------|
| B. Inspect Scott-Pacs (6) (as per DP 4579)          | _____ |
| 1. VYDPF 4579.01 completed and submitted for review | _____ |
| C. Inventory Scott-Pacs (6)                         | _____ |

Performed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Sign)

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS

INITIALS

VI. Technical Support Center

A. Emergency Equipment Cabinets

NOTE

Inspection of respirators/canisters required only following a drill or event.

- |    |  |                       |
|----|--|-----------------------|
| 1. | 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                                   | _____                 |
| 2. | Inventory respirators (4)  | _____                 |
| a. | Inventory canisters (4)  | _____                 |
| 3. | High range dosimeter (4)   | _____ (Cal. Due Date) |
| 4. | Gamma dose rate meter  | _____ (Cal. Due Date) |
| 5. | Air sampler, low volume, with charcoal cartridge (1)                               | _____ (Cal. Due Date) |
| a. | Operational Check  | _____                 |
| b. | Left with fresh filter paper and cartridge in holder                               | _____                 |
| 6. | Sealed container of non-time critical items  |                       |
|    | If not sealed, inventory contents, ensure the following are available, and reseal. |                       |
| a. | Charcoal filter cartridges (6)   | _____                 |
| b. | Six (6) Silver zeolite (sealed in plastic)   | _____                 |
| c. | Filter paper, air sample (1 box)   | _____                 |
| d. | Tweezers (1 pair)  | _____                 |

**EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)**

ITEMS	INITIALS
e. Surgeons gloves (1 box)	_____
f. Smear papers (1 box)	_____
7. Perform a functional test on four (4) RM-16's (refer to DP 4535)	_____
8. Check cal-due date on TSC Cam	_____ (Cal. Due Date)
a. Check TSC Cam for chart paper	_____
b. Check the TSC Cam for filter paper and charcoal cartridge (refer to DP 2521)	_____
c. Turn on the TSC Cam and perform the daily operational checks per DP 2521	_____
1) If any problems are identified, correct the deficiency and notify the RP Supervisor (instruments).	_____
d. Restore the TSC Cam to standby status	_____
9. Dosimeter charger operational check	_____
10. RM-14/20 with HP-210 Probe (1) (in conference room)	_____ (Cal. Due Date)

Performed by: \_\_\_\_\_ Date: \_\_\_\_\_  
 (Print/Sign)

EMERGENCY EQUIPMENT CHECKLIST (RP) (Continued)

ITEMS

INITIALS

Discrepancies:

Page	Section	Remarks
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Other Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Must be returned to EPC within 14 days of completion by RP Technician.

Reviewed By \_\_\_\_\_ / \_\_\_\_\_  
RP Supervisor (Print/Sign) Date

Approved By \_\_\_\_\_ / \_\_\_\_\_  
EPC (Print/Sign) Date

EPC Comments:  Memo to File Attached  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# BRATTLEBORO MEMORIAL HOSPITAL EMERGENCY EQUIPMENT CHECKLIST

Date \_\_\_\_\_

**Directions:** Initial inventoried items and note comments in the right-hand column. Replace equipment as required.

<u>Item</u>	<u>Initials</u>	
<b>1. <u>Instruments and Dosimetry</u></b>		
a. Gamma Dose Rate Survey Meter		
1) Instrument VY # _____		(Cal. Due Date)
2) Battery test		
b. Beta/Gamma Monitor, RM-14 with HP-210 Probe VY #__		(Cal. Due Date)
1) Battery test		
c. 0-500 mR Self-reading pocket dosimeters (10)		(Cal. Due Date)
d. Thermoluminescent dosimeters (10)		(Cal. Due Date)
e. Dosimeter Charger		
1) Check operability		
f. The Vinton ring dosimeters (10)		
g. Check Source (located at Nurse's Station)		
<b>2. <u>Procedures</u></b>		
a. Brattleboro Memorial Hospital Radiologically Contaminated Casualty Protocol (2)		
b. OP 3508, On-Site Medical Emergency Procedure		
Current Rev. # _____		
LPC # _____		Rev.      LPC#
<b>3. Lead container for high activity samples</b>		
<b>4. Packaged disposable table top with inflatable water containers</b>		



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 2611.10 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: \_\_\_\_\_ Date: \_\_\_\_\_

Chemistry Technician (Print/Sign)

Discrepancies or Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Reviewed By \_\_\_\_\_ / \_\_\_\_\_

Chemistry Supervision (Print/Sign)

Date

Approved By \_\_\_\_\_ / \_\_\_\_\_

EPC (Print/Sign)

Date



PROCEDURE/FORM COPY UPDATE WORKSHEET

PROCEDURE/FORM			BRATTLEBORO LOCATIONS				VERNON LOCATIONS
No.	Rev.	LPC#	#1	#2	#3	S. Rm	TSC
ENN-RP-104						•	
4533.01					•		•
7019			•				•
ENN-MP-101				•			
3542.01							•
3524.02							•
3125		•				•	•
3100		•					•

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) 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.

[REDACTED]

- 2) 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 [REDACTED]

- 3) Results Date: \_\_\_\_\_

Successful call to the NRC:  YES  NO

NRC Contact: \_\_\_\_\_ Time: \_\_\_\_\_

Successful callback from the NRC:  YES  NO

NRC Contact: \_\_\_\_\_ Time: \_\_\_\_\_

- 4) 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.



TSC/EOF FTS AND NAS PHONE CHECKLIST (Continued)

3. Test Primary Auto Ring Down Circuit phone in the SRM Office (#3):
- a. Using wireless headset phone, dial X4400 to initiate connection to the circuit. You will hear a message announcing that you have reached the Primary Auto Ring Down conference.
  - b. When prompted for access code, enter: 1 2 3 4 5 6. You will then hear a message that you are the first party to join call and to hold for additional attendees. You can then hang up and disconnect call.
  - c. Results \_\_\_\_\_ Date \_\_\_\_\_  
Success establishment of circuit:  YES  NO
4. 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) 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.



- 2) State your name, location, and the fact that you are testing the Vernon ENS. Request that the NRC staff member call back at



TSC/EOF FTS AND NAS PHONE CHECKLIST (Continued)

3) Results

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

Successful call to the NRC:

YES  NO

NRC Contact: \_\_\_\_\_

Time: \_\_\_\_\_

Successful callback from the NRC:

YES  NO

NRC Contact: \_\_\_\_\_

Time: \_\_\_\_\_

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

b: Other NRC FTS Phones

1) The remaining FTS phones in Vernon are tested by calling each FTS phone from a different FTS phone. The following FTS phones should be tested for operability:

Wall mounted in Communications Room

#40

#42

2) Telephones are in the TSC cabinets. Find the phone labeled #39 and plug it into the outlet labeled #39 in the small office behind the communications room. Call that line from one of the wall mounted FTS phones to verify operability.

3) Take two telephones from the TSC cabinets and test the four circuits in the NRC Office by calling each line. The outlets are on the far wall to the right as you walk in the door (OP 3504, Figure 4). They are labeled #43, #44, #45, and #47.

TSC/EOF FTS AND NAS PHONE CHECKLIST (Continued)

2. Test Primary Auto Ring Down Circuit phone in the TSC (#22):

- a. Using wireless headset phone, dial X4400 to initiate connection to the circuit. You will hear a message announcing that you have reached the Primary Auto Ring Down conference.
- b. When prompted for access code, enter: 1 2 3 4 5 6. You will then hear a message that you are the first party to join call and to hold for additional attendees. You can then hang up and disconnect call.
- c. Results \_\_\_\_\_ Date \_\_\_\_\_

Success establishment of circuit:  YES  NO

5. Test performed by: \_\_\_\_\_ / \_\_\_\_\_  
(Print/Sign) Date

Approved By \_\_\_\_\_ / \_\_\_\_\_  
EPC (Print/Sign) Date

**EOF EMERGENCY PLAN IMPLEMENTING PROCEDURES AND  
STATUS FORMS BOOK UPDATE**

Change # \_\_\_\_\_

Initials

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

1. Update Emergency Plan Implementing Procedures Book per the Procedure Change Memo \_\_\_\_\_
2. Update ERF Directory (OP 3504, Emergency Communications) \_\_\_\_\_
3. Update status forms book for any changes to the following:
  - a. AP 3125, Emergency Plan Classification and Action Level Scheme  
(4 large copies of appendices for Sprinkler Room) \_\_\_\_\_
  - b. OP 3511, Off-Site Protective Action Recommendations \_\_\_\_\_
  - c. VYOPF 3511.01, Protective Action Recommendation Worksheet \_\_\_\_\_
  - d. VYOPF 3546.02, Emergency Classification and PAR Notification Upgrade Form \_\_\_\_\_
  - e. VYOPF 3546.01, Plant Status Briefing Form \_\_\_\_\_
  - f. OP 3546, Appendices: A,B,F,I,J,K,M,N,O,P,Q \_\_\_\_\_

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

1. Update Emergency Plan Implementing Procedures Book per the Procedure Change Memo \_\_\_\_\_
2. Update ERF Directory (OP 3504, Emergency Communications) \_\_\_\_\_
3. Update status forms book for any changes to the following:
  - a. VYOPF 3542.01, Personnel Accountability Log \_\_\_\_\_
  - b. VYOPF 3504.02, Plant Parameters \_\_\_\_\_
  - c. OP 3511, Off-Site Protective Action Recommendations \_\_\_\_\_
  - d. VYOPF 3511.01, Protective Action Recommendation Worksheet \_\_\_\_\_

**EOP EMERGENCY PLAN IMPLEMENTING PROCEDURES AND  
STATUS FORMS BOOK UPDATE (Continued)**

Initials

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

1. Update Emergency Plan Implementing Procedures Book per the Procedure Change Memo \_\_\_\_\_
2. Update ERF Directory (OP 3504, Emergency Communications) \_\_\_\_\_
3. Update status forms book (Rad Ass't) for any changes to the following:
  - a. OP 3513, Evaluation of Off-Site Radiological Conditions \_\_\_\_\_
  - b. OP 3511, Off-Site Protective Action Recommendations \_\_\_\_\_
  - c. VYOPF 3513.01, Dose Assessment Status \_\_\_\_\_
  - d. VYOPF 3513.02, Isotopic Analysis \_\_\_\_\_
  - e. VYOPF 3513.03, Field Data Status Log \_\_\_\_\_
  - f. VYOPF 3513.04, Dose at Selected Locations \_\_\_\_\_
  - g. VYOPF 3511.01, Protective Action Recommendation Worksheet \_\_\_\_\_
  - h. VYOPF 3507.01, Personnel Exposure Log \_\_\_\_\_
  - i. VYOPF 3507.03, Potassium Iodide Administration Record \_\_\_\_\_
  - j. VYOPF 3504.02, Plant Parameters \_\_\_\_\_
  - k. VYOPF 3542.01, Personnel Accountability Log \_\_\_\_\_
4. Update status forms book (Off-Site Monitoring Team) for any changes to the following:
  - a. VYOPF 3513.01, Dose Assessment Status \_\_\_\_\_
  - b. VYOPF 3513.02, Isotopic Analysis \_\_\_\_\_
  - c. VYOPF 3513.03, Field Data Status Log \_\_\_\_\_
  - d. VYOPF 3513.04, Dose at Selected Locations \_\_\_\_\_

EOP EMERGENCY PLAN IMPLEMENTING PROCEDURES AND  
STATUS FORMS BOOK UPDATE (Continued)

Initials

- e. VYOPF 3504.02, Plant Parameters \_\_\_\_\_
- f. OP 3510, Off-Site and Site Boundary Monitoring \_\_\_\_\_
- 5. Update Rad Coordinator's Notebook for any changes to the following:
  - a. OP 3525, Radiological Coordination \_\_\_\_\_

Discrepancies or Comments: \_\_\_\_\_

Performed By \_\_\_\_\_ / \_\_\_\_\_  
(Print/Sign) Date

Reviewed By \_\_\_\_\_ / \_\_\_\_\_  
EPC (Print/Sign) Date

OSC DOCUMENTATION CHANGE TRACKING FORM

Emergency Plan Implementing Procedure Change # \_\_\_\_\_

Plant Procedures Program Change # \_\_\_\_\_

OSC Status Forms Drawer

Update Emergency Plan Implementing Procedures per the Procedure Change Memo for any changes to the following:

Initials

- A. Update Emergency Plan Implementing Procedures book(s) per the Procedures Change Memo. \_\_\_\_\_
- B. Update status forms drawer for any changes to the following:
  - 1. OP 3507, Emergency Radiation Exposure Control \_\_\_\_\_
  - 2. VYOPF 3507.01, Personnel Exposure Log \_\_\_\_\_
  - 3. VYOPF 3507.02, Emergency Radiation Exposure Briefing/Debriefing \_\_\_\_\_
  - 4. VYOPF 3507.03, Potassium Iodide Administration Record \_\_\_\_\_
  - 5. OP 3544, Operation of the Operations Support Center \_\_\_\_\_
  - 6. OP 3544, Appendix A - Alert - Radiological Habitability Assessment \_\_\_\_\_
  - 7. VYOPF 3544.01, Emergency Conditions Radiological Assessment Form \_\_\_\_\_
  - 8. VYOPF 3544.02, OSC Team Work Status Form \_\_\_\_\_

Performed By \_\_\_\_\_ / \_\_\_\_\_  
(Print/Sign) Date

Site Boundary Team Kit

Update per Procedure Change Memo any change to the following: Initials

- 1. OP 3510, Off-Site and Site Boundary Monitoring (1 copy) \_\_\_\_\_
- 2. AP 0505, Respiratory Protection (1 copy) \_\_\_\_\_

Performed By \_\_\_\_\_ / \_\_\_\_\_  
(Print/Sign) Date

OSC DOCUMENTATION CHANGE TRACKING FORM (Continued)

Off-Site Emergency Kits

Update per Procedure Change Memo any change to the following:

Initials

1. OP 3510, Off-Site and Site Boundary Monitoring

a. Blue Kit (1 copy)

b. Green Kit (1 copy)

c. Black Kit (1 copy)

2. AP 0505, Respiratory Protection

a. Blue Kit (1 copy)

b. Green Kit (1 copy)

c. Black Kit (1 copy)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Performed By \_\_\_\_\_ / \_\_\_\_\_  
(Print/Sign) Date

OCS Dosimetry Kit  
(RP Checkpoint)

Update per Procedure Change Memo any change to the following:

Initials

1. AP 0506, Personnel Monitoring

2. VYAPF 0506.07, Administration Radiation Exposure Control Change Request

3. VYAPF 0506.08, Multibadge TLD Location Form

4. AP 0525, Dosimetry Processing

5. VYAPF 0525.06, Pregnant Woman Declaration Form

6. VYAPF 0525.07, Reg. Guide 8.13 Log Sheet

7. VYAPF 0525.08, Visitor/Tour Member Log Sheet

8. VYAPF 0525.09, Lost, Damaged or Misused Dosimetry Report

9. VYAPF 0525.11, RWP Sign In Sheet

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OSC DOCUMENTATION CHANGE TRACKING FORM (Continued)

- 10. AP 0546, Planned Special Exposure \_\_\_\_\_
- 11. OP 3507, Emergency Radiation Exposure Control \_\_\_\_\_
- 12. VYOPF 3507.01, Personnel Exposure Log \_\_\_\_\_

Performed By \_\_\_\_\_ / \_\_\_\_\_  
(Print/Sign) Date

Discrepancies or Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Must be returned to EPC within 10 days of Issue date.

Reviewed By \_\_\_\_\_ / \_\_\_\_\_  
EPC (Print/Sign) Date



TSC EMERGENCY PLAN IMPLEMENTING PROCEDURES AND  
IMPLEMENTING FORMS BOOK UPDATE

Change # \_\_\_\_\_

- A. Update Emergency Plan Implementing Procedures Book(s) per the Procedure Change Memo \_\_\_\_\_
- B. Update Implementing forms book for any changes to the following:
  - 1. OP 3542, Operation of the Technical Support Center \_\_\_\_\_
  - 2. VYOPF 3504.02, Plant Parameters \_\_\_\_\_
  - 3. VYOPF 3540.06, Emergency Classification and PAR Notification Form \_\_\_\_\_
- C. Update five (5) clipboards for any changes to the following:
  - 1. VYOPF 3542.01 Personnel Accountability Log. \_\_\_\_\_
- D. Update (6) clipboards for any changes to the following:
  - 1. OPF 3524.02, Initial Site Accountability Check In Form \_\_\_\_\_

Discrepancies or Comments:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Performed By \_\_\_\_\_ / \_\_\_\_\_  
(Print/Sign) Date

Must be returned to EPC within 10 days of Issue date.

Reviewed By \_\_\_\_\_ / \_\_\_\_\_  
EPC (Print/Sign) Date

EMERGENCY RESPONSE TELEPHONE NUMBER CHECK

- A. Verify that telephone numbers listed in OP 3504, Appendix B, are accurate. (This verification covers telephone numbers listed in OP 3508, OP 3540, and OP 3542.)

Discrepancies:

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

Discrepancies:

- C. Verify telephone numbers in the Emergency Response Telephone Directory under tabs: Control Room, OSC, TSC, EOF/RC, Incoming and Outgoing Fax are accurate.

Discrepancies:

- D. Verify telephone numbers in OP 3546, Table 2 are accurate.

Discrepancies:

- E. Verify telephone numbers in Joint News Center Implementation Guideline are accurate.

Discrepancies:

- F. Place the latest VY phone list in the Emergency Response Telephone Directory.

Performed By \_\_\_\_\_ / \_\_\_\_\_  
EP Staff Member (Print/Sign) Date

Reviewed By \_\_\_\_\_ / \_\_\_\_\_  
EPC (Print/Sign) Date

## EMERGENCY EQUIPMENT CHECKLIST (EP)

	ITEMS	INITIALS
I.	Emergency Operations Facility (EOF) - Brattleboro	
A.	Emergency Equipment Cabinet #1 (Room 124) for use by the Site Recovery Manager	
1.	Emergency Notepads	_____
2.	Redi-Letter Speed Sets	_____
3.	Procurement Log Book	_____
4.	Magnetic Tags	_____
5.	Site Recovery Manager Log	_____
6.	Site Recovery Manager Notifications Log	_____
7.	Site Recovery Manager Team Badges	_____
8.	NRC Response Team Badges	_____
9.	North American Emergency Response Guidebook (2)	_____
10.	Emergency Plan (Copy #12)	_____
11.	Emergency Plan Implementing Procedures (Controlled Copy #35)	_____
12.	ERF Directory	_____
13.	Status Forms Book/SRM Manual	_____
14.	YA-NOG-9101, Procedure for Operation of the Nuclear Alert System (NAS)(In SRM Manual/Status Forms Book)	_____
		Rev. _____ /DI/LPC#
15.	PP 7019, Severe Accident Management Program (Controlled Copy #5)	_____
16.	SAM RPV Cutaway Operator Aid (In front of PP 7019 Binder)	_____

EMERGENCY EQUIPMENT CHECKLIST (EP) (Continued)

ITEMS	INITIALS
17. Vermont Yankee Mini-Prints (Copy #41)	_____
18. INPO Emergency Resources Manual (2)	_____
19. Media Advisor's Clipboard with Tech. Rep. Escalation Checklist	_____
20. NRC Region I Incident Response Plan (Vols. 1 & 2) (Uncontrolled)	_____
21. VY Tech Specs (Copy #25)	_____
22. Framatome ANP Emergency Support Plan (Copy #33)	_____
23. Technical Guidelines for EAL Categories & Events (Copy #4)	_____
24. Large EAL Sheets from AP 3125 (2)	_____ Rev. _____ /LPC# _____
25. State Advisor Reference Book	_____
26. Tote with office supplies	_____
27. ENS Telephone Headset	_____
28. Emergency Operating Procedures (Hard Cards EOP1 - EOP6 (in Room 124)	_____
29. AP 3125 EALs - laminated (in Room 124)	_____ Rev. _____ /LPC# _____
30. Personnel Status Board (in Room 124)	_____
31. OT 3100 Reactor Scram - Laminated hard card.	_____ Rev. _____ /LPC# _____

**EMERGENCY EQUIPMENT CHECKLIST (EP) (Continued)**

ITEMS	INITIALS
<u>NOTE</u>	
Operability of the FTS and NAS phones is checked by Emergency Planning using VYOPF 3506.08.	
32. Telephones in Cabinet #1:	
a. #1- (NAS)	(Checked by E-Plan monthly)
b. #6	_____
c. #8 - Speakerphone (for Media Advisor)	_____
d. #3A - Alternate Auto Ring Down Phone and EASA-PHONE speaker. (Use to contact Control Room)	_____
33. Telephones, wall mounted in Recovery Planning Area (Room 126):	
a. #3 (Primary Ringdown) with headset (not wall mounted)	(Checked by E-Plan monthly)
b. #3A (Alternate Ringdown)	_____
c. #20	_____
d. #19	_____
e. #33	_____
f. #40	_____
g. #41	_____
h. #61 (Powerfail)	_____
i. #69 (FTS)	(Checked by E-Plan monthly)
j. #70 (FTS)	(Checked by E-Plan monthly)
k. #75 (FTS)	(Checked by E-Plan monthly)

**EMERGENCY EQUIPMENT CHECKLIST (EP) (Continued)**

ITEMS	INITIALS
34. PC and multi-media computer (2) (Room 126 & 125)	_____
<b>B. Emergency Equipment Cabinet #2 for Use By the EOF Coordinator, Manpower &amp; Planning, ESG</b>	
1. Letter trays (3)	_____
2. Emergency Notepads	_____
3. Redi-Letter Speed Sets	_____
4. 3-Hole Punch	_____
5. Emergency Plan (Controlled Copy #8)	_____
6. Emergency Plan Implementing Procedures (Controlled Copy #34)	_____
7. EOF Coordinator's Clipboard and Notepad	
8. EOF Coordinator's Logbook	_____
9. Purchasing Coordinator's Clipboard and ENN-MP-101, Materials, Purchasing and Contracts Process	_____
10. UFSAR (Controlled Copy #22)	_____
11. ERF Directory (2)	_____
12. Status Forms Book	_____
13. Core Damage Assessment Binder (from PP 7019) (Uncontrolled Copy)	
14. Two (2) Totes with office supplies (EOF Staff and ESG)	_____
15. Action Item/Status Board Tags (for use on white board)	_____
16. Desk name plates (key personnel)	_____

**EMERGENCY EQUIPMENT CHECKLIST (EP) (Continued)**

ITEMS		INITIALS	
17.	Fax machines (3)		
	a. #5 (Hewlett Packard)	_____	(Cabinet #2)
	b. #6 (Hewlett Packard)	_____	(Cabinet #2)
	c. (Sharp)	_____	(Cabinet #2)
18.	Telephones: (Wall Mounted in Briefing Area (Room 125))		
	a. #23	_____	(Room 125)
	b. #24	_____	(Room 125)
	c. #60	_____	(Room 125)
19.	Telephones: (Wall Mounted in (Room 122))		
	a. #11	_____	(Room 122)
	b. #25	_____	(Room 122)
	c. #58	_____	(Room 122)
	d. #79	_____	(Room 122)
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.	VYOPF 4533.01, Air Sample Forms (in status forms books)	_____	Rev. _____ LPC# _____

EMERGENCY EQUIPMENT CHECKLIST (EP) (Continued)

ITEMS	INITIALS
7. METPAC floppy disks (3)	_____
8. METPAC User Manual & Technical Description (version 5.4)	_____
9. ERF Directory	_____
10. Radiological Health Handbook (2)	_____
11. Core Damage Assessment Binder (from PP 7019)(uncontrolled copy)	_____
12. Rad Coordinator Notebook – OP 3525	_____
13. Emergency Notepads	_____
14. 10 Mile EPZ Maps (2)	_____
15. Rad Supervisor's Clipboard	_____
16. Tote with office supplies and "What If" dose projection stamp and calculators.	_____
17. In/Out trays (7) (3 are for Rad Data for each state)	_____
18. Preprinted Magnetic Labels for Off-Site Teams (team, time, location, air code, and dose rate)	_____
19. Potassium Iodide (KI)	
a. Check expiration date	_____ (Exp. date)
20. Redi-Letter Speed Sets (1 box)	_____
21. Distribution Trays (7)	_____

**EMERGENCY EQUIPMENT CHECKLIST (EP) (Continued)**

ITEMS		INITIALS	
22.	Telephones: (Wall Mounted in Rad Assessment)		
a.	#21 (Powerfail)	_____	(Room 124)
b.	#22	_____	(Room 124)
c.	#39	_____	(Room 124)
d.	#71 (FTS)		(Room 124) (Checked by E-Plan monthly)
e.	#72 (FTS)		(Room 124) (Checked by E-Plan monthly)
f.	#76 (FTS)		(Room 124) (Checked by E-Plan monthly)
23.	Area Map/Dispersion Wheel (mounted on wall in Room 124)	_____	
24.	Fax Machine (Room 124)	_____	
25.	Rulers (2)	_____	
D.	Room #120 Chem. & Sample Analysis Lab		
1.	Telephones:		
a.	#14	_____	(Room 120)
b.	#15	_____	(Room 120)

**EMERGENCY EQUIPMENT CHECKLIST (EP) (Continued)**

**ITEMS**

**INITIALS**

**E. Room #118 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)**

- |    |           |       |                             |
|----|-----------|-------|-----------------------------|
| a. | #16       | _____ | (Room 118)                  |
| b. | #17       | _____ | (Room 118)                  |
| c. | #18       | _____ | (Room 118)                  |
| d. | #57       | _____ | (Room 118)                  |
| e. | #73 (FTS) | _____ | (Checked by E-Plan monthly) |
| f. | #74 (FTS) | _____ | (Checked by E-Plan monthly) |
| g. | #89       | _____ | (Room 118)                  |
| h. | #90       | _____ | (Room 118)                  |

**2. Computer with RTIME operational (PSS)**

\_\_\_\_\_

**F. Room #123 OSMT Communications Area**

**1. UHF Radio Transmitter/Receiver Systems (2)**

\_\_\_\_\_

**2. Area Map/Dispersion "Wheel"**

\_\_\_\_\_

**3. 10 Mile EPZ Map**

\_\_\_\_\_

**4. Air Sample codes for I-131 Air concentrations**

\_\_\_\_\_

**5. Field Sample Thyroid Dose Nomogram**

\_\_\_\_\_

**6. Site Boundary Map**

\_\_\_\_\_

EMERGENCY EQUIPMENT CHECKLIST (EP) (Continued)

ITEMS	INITIALS
7. Decnet Terminal	_____
8. Telephones: (wall mounted)	
a. #29 (Powerfail)	_____ (Room 123)
b. #30	_____ (Room 123)
G. Room #128 for Use by EOF Engineering Support Group	
1. #62	_____ (Room 128)
2. #65	_____ (Room 128)
3. #13	_____ (Room 127)
4. #63 (2)	_____ (Room 127)
5. Computer with RTIME Operational (PSS)	_____
H. The following equipment is located in the Sprinkler Room of the Training Center (Room 118):	
1. ENN-RP-104, Personnel Contamination Events	_____ <u>Rev.</u>
2. (1) VY Emergency Off-Site Dose Rate Nomogram #1	_____ #1
3. (4) EAL Charts - AP 3125 #2	_____ #2 <u>Rev.</u> <u>LPC#</u>
4. (1) Area Map/Dispersion "Wheel" #4	_____ #4
5. (1) Plant Parameter Status Board #5	_____ #5
6. (1) 50 Mile Ingestion Pathway Map #9	_____ #9
7. Manpower and Planning Assistant In-Plant Status Board #11A	_____ #11A
8. Manpower and Planning Assistant Off-Site Status Board #11B	_____ #11B

EMERGENCY EQUIPMENT CHECKLIST (EP) (Continued)

ITEMS	INITIALS
9. (1) Emergency Operations Facility Organization #12	_____ #12
10. (1) Vermont Yankee Emergency Management Organization #13	_____ #13
11. Personnel Monitoring Team Clipboard and Logbook	_____
12. Wireless Headset (charging) for VY use NRC FTS HPN Phone	_____
13. "Authorized Personnel" Sign for Training Lobby Entrance	_____
14. Tote for Manpower and Planning containing:	
a. Emergency Notepads	_____
b. Clipboard and logbook	_____
c. Clipboard containing area maps	_____
d. ERF Directory	_____
e. Small tote with office supplies	_____
15. Fax machine for Engineering Support Group use in room 128	_____

Performed by: \_\_\_\_\_ Date: \_\_\_\_\_  
 (Print/Sign)

**EMERGENCY EQUIPMENT CHECKLIST (EP) (Continued)**

ITEMS		INITIALS
<b>II.</b>	<b>Technical Support Center</b>	
<b>A.</b>	<b>General Equipment - Offices behind TSC Conference Room</b>	
1.	Mobile UHF System Base Radio Station and ERF Directory	_____
2.	Offsite Dose Rate Nomogram	_____
3.	Area Map/Dispersion "Wheel"	_____
<b>B.</b>	<b>Emergency Equipment Cabinets</b>	
1.	TSC Primary Position Title Tags (ziplock bag)	_____
2.	VYOPF 3542.01, Personnel Accountability Log on 5 clipboards	_____
3.	VYOPF 3524.02, Initial Site Accountability Check-In Form on 6 clipboards	_____
4.	Emergency Notepads	_____
5.	Redi-Letter Speed Sets	_____
6.	Tote with office supplies	_____
7.	ENS Telephone Headset	_____
8.	Magnetic accountability signs for the doors (3)	_____
9.	Emergency Plan (Copy #3)	_____
10.	Emergency Plan Implementing Procedures (Copy #3)	_____
11.	PP 7019, Severe Accident Management Program (2) (Controlled Copies 2 and 2A) (#2 may be located in the TSC area phone room)	_____

EMERGENCY EQUIPMENT CHECKLIST (EP) (Continued)

ITEMS		INITIALS	
12.	SAM RPV Cutaway Operator Aid (in front of PP 7019 book) (2)	_____	
13.	Implementing Forms Book	_____	
14.	VYOPF 4533.01, Air Sample Form (6)	_____	Rev. _____ LPC# _____
15.	Clipboard with: Call-In List, VY Phone List, EAPL, Respirator Qualifications, VY Org. Chart	_____	
16.	ERF Directory (3)	_____	
17.	TSC Logbook	_____	
18.	Emergency Resources Manual	_____	
19.	North American Emergency Response Guidebook (2)	_____	
20.	Reactor Building Phone List	_____	
21.	Region I Incident Response Vol. I & II	_____	
22.	ERDS Data Continuous Communicator Book	_____	
23.	Potassium iodide (KI)	_____	
	a. Check expiration date	_____	(Exp. Date) _____
24.	Box of safety goggles and hearing protection	_____	
25.	Classification Signs (on top of cabinets)	_____	
26.	Laminated charts (in Conference Room):		
	a. AP 3125 - EALs (2)	_____	Rev. _____ LPC# _____
	b. OT 3100 - Reactor Scram	_____	Rev. _____ LPC# _____
	c. EOPs #1-6	_____	

EMERGENCY EQUIPMENT CHECKLIST (EP) (Continued)

ITEMS

INITIALS

- d. RPV & Containment  
EOP/SAG Ref and Action  
Levels

NOTE

The FTS phones are stored in the EP cabinet outside of 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).

27. FTS Telephones: (Checked by E-Plan monthly)

- a. #39
- b. #40 (wall mounted)
- c. #41 (wall mounted)
- d. #42 (wall mounted)
- e. #43
- f. #44
- g. #45
- h. #47

28. TSC Phone Jacks (ER981874\_02)

- a. #18 \_\_\_\_\_
- b. #21 \_\_\_\_\_
- c. #22 (Primary Auto Ringdown Circuit) \_\_\_\_\_
- d. #26 (wall mounted) \_\_\_\_\_
- e. #27 (wall mounted) \_\_\_\_\_
- f. #28 \_\_\_\_\_
- g. #29 \_\_\_\_\_

(Checked by E-Plan monthly)

EMERGENCY EQUIPMENT CHECKLIST (EP) (Continued)

ITEMS	INITIALS
h. #34	_____
i. #55 (copier room)	_____
j. #56 (cordless)	_____
<b>C. Computers with RTIME (connected to Plant ERFIS)</b>	
1. General Manager's office operational	_____
2. NRC Resident Inspector's office operational	_____

Performed by: \_\_\_\_\_ Date: \_\_\_\_\_  
(Print/Sign)



**PREAPPROVED LPC FORM**

**PART 1 - Initiation**

**Converted to Admin. Revision #**

**LPC No:** 1

<b>A. Procedure No.:</b> OP 3541		<b>Current Revision #:</b> 2	<b>Title:</b> Activation of the TSC
<b>B. Description of Change:</b> Added ERF Activation Times. Added reference to spare fax machine use.			
<b>C. Reason for Change:</b> <input type="checkbox"/> Result of Design Change, Minor Mod, EDCR <input checked="" type="checkbox"/> Related ER No. CR-VTY-2003-02423 & CR-VTYLO-2003-0206 <input type="checkbox"/> Other: <input type="checkbox"/> Editorial			
<b>D. Duration:</b> <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> One Time Only		<b>I. Originator (Print/Sign/Date)</b> (Use AP 0096, App. A as a reference) (Complete & attach AP 0096 App. C, unless editorial)	
<b>E. Surveillance Database Change?</b> <input type="checkbox"/> Yes, change submitted <input checked="" type="checkbox"/> No		Audra Williams 12/18/03	
<b>F. Procedure Type:</b> <input checked="" type="checkbox"/> Technical <input type="checkbox"/> Admin. (AP,PP)		<i>Audra Williams</i>	
<b>G. AP 0091, Risk Assessment</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>H. Page(s) affected:</b> pages 3, 6 of 7			

**PART 2 - Review/Approval (Refer to LPC Criteria of Appendix A)**

<b>A. Technical Verification Review (Print/Sign/Date) (Use AP 0096, Appendix B as a reference)</b> <input type="checkbox"/> N/A <i>Christina Canty Christina Canty 12/22/03</i> (May perform Qualified Review) (N/A if editorial change)	<b>B. Cross-Discipline Review(s) (Print/Sign/Date)</b> <input type="checkbox"/> N/A Audra Williams 12/18/03 <i>Audra Williams</i>
<b>C. Qualified Review (Print/Sign/Date) (Use AP 0096, Appendix D, as a reference)</b> <input type="checkbox"/> N/A <i>Audra Williams 12/18/03</i> (N/A if editorial change)	<b>D. 50.59 review completed type:</b> <input type="checkbox"/> AD/Screen <input type="checkbox"/> Evaluation <input type="checkbox"/> N/A (N/A if editorial change) <input checked="" type="checkbox"/> 50.54(q) (EPIP only)
<b>E. RPO Approval (Print/Sign/Date)</b> 12/22/03 <i>Brian M. Finn Brian M. Finn</i>	<b>F. IF 50.59 Evaluation:</b> <input checked="" type="checkbox"/> N/A PORC Mtg. Date:
<b>G. Plant Manager (Print/Sign/Date) (SPs only)</b> N/A	
<b>H. Training: (Required for Admin Procedures, unless editorial)</b> <input checked="" type="checkbox"/> N/A	
<b>I. Effective Date:</b> 1.21.04	

CDS Initials *ma*

### 10 CFR 50.54(q) Evaluation Checklist

List of Emergency Plan Section(s)/Emergency Plan Implementing Procedure(s) or any other document to be evaluated. (Include Title and Revision No.):

OP 3541, Rev. 2, LPC #1, Activation of the TSC

**A. Screening Evaluation**

Based on a review of the following questions, determine if the change has the potential to affect our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.

A "YES" answer to any part of the questions requires that a written evaluation be done to determine whether the effectiveness of the Emergency Plan was decreased as specified in Section B of this checklist.

A "NO" answer to all questions requires no written evaluation as specified in Section B of this checklist.

		YES	NO
1.	Could the proposed change affect our ability to meet the following standards of 10CFR50.47(b):		
(1)	Assignment of Emergency Response Organization responsibilities		X
(2)	Assignment of on-shift Emergency Response Organization personnel		X
(3)	Arrangements for Emergency Response Support and Resources		X
(4)	Emergency Classification and Action levels, including facility system and effluent parameters		X
(5)	Notification Methods and Procedures		X
(6)	Emergency Communications among principal response organizations and the public		X
(7)	Public Education and Information		X
(8)	Adequacy of Emergency Facilities and Equipment		X
(9)	Adequacy of Accident Assessment methods, systems and equipment		X
(10)	Plume exposure pathway EPZ protective actions		X
(11)	Emergency Worker Radiological Exposure Control		X
(12)	Medical Services for contaminated injured individuals		X
(13)	Recovery and Reentry Plans		X
(14)	Emergency response periodic drills and exercises		X
(15)	Radiological Emergency Response Training		X
(16)	Plan development, review and distribution		X

**10 CFR 50.54(q) Evaluation Checklist (Continued)**

YES	NO
-----	----

2. Could the change affect our ability to meet the following requirements of Appendix E to 10CFR50

- (1) Section IV. A - Organization
- (2) Section IV. B - Assessment Actions
- (3) Section IV. C - Activation of Emergency Organizations
- (4) Section IV. D - Notification Procedures
- (5) Section IV. E - Emergency Facilities and Equipment
- (6) Section IV. F - Training
- (7) Section IV. G - Maintaining Emergency Preparedness
- (8) Section IV. H - Recovery

	X
	X
	X
	X
	X
	X
	X
	X

**B. Effectiveness Determination**

For each applicable (i.e., a "yes" answer specified) standard to 10CFR50.47(b) and Appendix E to 10CFR50 identified from Section A above, complete the evaluation form below to determine whether the change decreases the effectiveness of the Emergency Plan and whether it continues to meet the stated applicable standard or requirement.

A facsimile of the evaluation form may be used as needed and attached to this checklist.

For applicable item 10CFR50. n/a of Section A above, this change  
 DOES  DOES NOT decrease the effectiveness of the Emergency Plan and  
 DOES  DOES NOT continue to meet the stated applicable standard or requirement.

**BASIS FOR ANSWER:**

The ERF activation times were added to the discussion section of the procedure. These times were the expectation and have not changed; they have just been added to the procedure for clarification.

Added clarification of what to do in case the spare fax machine is not properly working in the TSC.

These changes do not decrease the effectiveness of the plan and it continues to meet all requirements.

10 CFR 50.54(q) Evaluation Checklist (Continued)

C. Conclusion (Fill out appropriate information)

- The changes made do not decrease the effectiveness of the Emergency Plan and continue to meet the standards of 10CFR50.47(b) and the requirements of Appendix E to 10CFR50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10CFR50.47(b) and the requirements of Appendix E to 10CFR50. The following course of action is recommended:
  - Revise proposed changes to meet applicable standards and requirements.
  - Cancel the proposed changes.
  - Process proposed changes for NRC approval prior to implementation in accordance with 10CFR50.54(q).

D. Impact on Other Documents (TRM, Tech Specs)

Keywords used in search: \_\_\_\_\_

- This change does not affect any other documents.
- This change does affect other documents.

Document(s) affected: OP 3545, OP 3543

Section(s) affected: \_\_\_\_\_

E. Impact on the Updated FSAR

Use AP 6036 to determine if the proposed E-Plan change modifies existing UFSAR information or requires the addition of new UFSAR information and initiate UFSAR change(s) as required.

Keywords used in UFSAR search: does not affect the USFAR

Additional Comments:

Prepared By: Christina Carby Christina Carby Date: 12/22/03  
(Print/Sign)

Reviewed By: Audra Williams Audra Williams Date: 12/18/03  
(Emergency Plan Coordinator) (Print/Sign)

**APPENDIX C  
CROSS-DISCIPLINE REVIEW CHECKLIST**

Required to be completed for new procedures, procedure revisions, and LPCs unless they are designated as Editorial.

Procedure Number/Revision OP 3541, Rev. 2, LPC#1

Reviewer/Date (Print) Audra Williams 12/18/03

**GENERAL REVIEW GUIDELINES/SPECIAL REVIEW REQUIREMENTS**

- The Cross-Discipline Review Guidelines below constitute minimum review requirements; other reviews may apply.
- Determination of reviews should focus on *changes* made to a procedure and the potential impact of those changes on the affected group. Changes that are minimally or nonimpacting do not need review by the potentially affected group. If change impact is unclear, the procedure should be routed to the potentially affected group for review.
- New or revised Administrative or Program Procedures that significantly impact other departments, shall be reviewed by the appropriate Superintendent or Senior Manager. The PAA maintains a list of these Administrative and Program Procedures.
- ALL noneditorial changes to Special Process procedures (WP, NE, heat treating, etc.), including Vendor Procedures that address Special Processes, shall be reviewed by: a Welding Engineer (welding procedures) or a NDE Level III certified in the method addressed by the procedure (nondestructive examination procedures), AND the Quality Assurance Manager, AND submitted to the Authorized Nuclear Inservice Inspector (ANII) prior to use.
- A "YES" indicates that a Cross Discipline Review shall be done by the indicated Department. Document the review on VYAPF 0096.01, VYAPF 0097.01, or VYAPF 0097.02, as applicable.

	APPLICABLE	
	YES	NO
<b>Chemistry:</b> <ul style="list-style-type: none"> <li>• Potentially affects condensate, feedwater, or reactor water chemistry, or chemistry instruments.</li> <li>• Procedures that implement the requirements of the VY Environmental Program. (see PP 7603, Appendix A)</li> <li>• Produces/affects effluents or effluent monitoring (VY/QA 01-015).</li> <li>• Affects NPDES limits or method of compliance.</li> </ul>		X
<b>Maintenance (Mech, Elec, I&amp;C):</b> <ul style="list-style-type: none"> <li>• Requires Maintenance personnel to perform activities, such as performance of maintenance procedures, installation of M&amp;TE, lifting and landing of leads and connectors.</li> </ul>		X
<b>Operations:</b> <ul style="list-style-type: none"> <li>• Changed requirements for entry into a Limiting Condition for Operation (LCO) or significantly changes duration of LCO.</li> <li>• Requires Operations alignment/restoration of systems or components.</li> <li>• Specifies surveillance or post maintenance testing by Operations.</li> </ul>		X
<b>EOP/SAG Coordinator:</b> <ul style="list-style-type: none"> <li>• Procedures that have the potential to affect the EOPs/SAGs.</li> </ul>		X

<b>Quality Assurance:</b> <ul style="list-style-type: none"> <li>Compliance with QA Program requirements cannot be readily determined by the Qualified Reviewer.</li> </ul>		X
<b>Radiation Protection:</b> <ul style="list-style-type: none"> <li>Involves work in contaminated areas and high radiation areas.</li> <li>Involves work that breaches contaminated systems or components.</li> <li>Changes in radwaste or hazardous waste generation.</li> </ul>		X
<b>Emergency Plan Coordinator:</b> <ul style="list-style-type: none"> <li>Emergency Plan Implementing Procedures.</li> <li>Obtain and attach a 10CFR50.54(q) Evaluation.</li> <li>Affects Emergency Plan personnel, facilities or equipment.</li> </ul>	X	
<b>Software Quality Assurance Administrator</b> <ul style="list-style-type: none"> <li>Procedures that define how software is developed.</li> </ul>		X
<b>Reactor Engineering:</b> <ul style="list-style-type: none"> <li>Could affect core reactivity, thermal power, reactor heat balance, or fuel integrity.</li> <li>Involves refueling operations.</li> </ul>		X
<b>Systems/Project/Design Engineering:</b> <ul style="list-style-type: none"> <li>Maintenance Rule in-scope systems unavailability time.</li> <li>Involves infrequently performed test or evolution.</li> <li>Changed requirements for entry into a Limiting Condition for Operation (LCO) or significantly changes duration of LCO.</li> <li>Significant changes in system test or operation methodology.</li> </ul>		X
<b>Appendix J Coordinator:</b> <ul style="list-style-type: none"> <li>Changes that affect App. J leakrates or containment boundaries, or boundary valve manipulation.</li> </ul>		X
<b>Appendix R Coordinator:</b> <ul style="list-style-type: none"> <li>Appendix R implementing procedures.</li> </ul>		X
<b>Environmental Qualification (EQ) Coordinator:</b> <ul style="list-style-type: none"> <li>Change in EQ test methodology or component lifetime.</li> <li>Potentially affects area EQ component environment.</li> </ul>		X
<b>Fire Protection Coordinator (FPC):</b> <ul style="list-style-type: none"> <li>Fire Protection procedures.</li> <li>Affects fire loading</li> <li>Affects fire barrier integrity.</li> <li>Affects fire protection systems or component functionality.</li> </ul>		X
<b>IST Program Coordinator:</b> <ul style="list-style-type: none"> <li>Inservice Testing Program implementing procedures.</li> <li>All surveillance procedures.</li> </ul>		X
<b>ISI Program Coordinator:</b> <ul style="list-style-type: none"> <li>Inservice Inspection Program implementing procedures.</li> </ul>		X

<b>Setpoint Coordinator:</b> <ul style="list-style-type: none"> <li>Changes that impact setpoints, as-found/as-left tolerances, M&amp;TE or testing methodology.</li> </ul>		X
<b>Nuclear &amp; PRA</b> <ul style="list-style-type: none"> <li>Potentially affects IPEEE or ORAM Sentinel Risk Models.</li> <li>Potentially affects plant SSCs reliability.</li> <li>Potentially affects Nuclear or Radiological Safety Analysis.</li> </ul>		X
<b>Security:</b> <ul style="list-style-type: none"> <li>Proceures that implement the requirements of the VY Physical Security and Training and Qualification Plans.</li> <li>Changes that have a potential for reduction of the VY Physical Security and Training and Qualification Plan commitments.</li> <li>Obtain and attach a 10CFR50.54(P) Evaluation.</li> </ul>		X
<b>MOV Program Coordinator:</b> <ul style="list-style-type: none"> <li>Potentially affects system parameters for which MOV operation has been evaluated.</li> </ul>		X
<b>AOV Program Coordinator:</b> <ul style="list-style-type: none"> <li>Potentially affects system parameters for which AOV operation has been evaluated.</li> </ul>		X

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3541

REVISION 2

ACTIVATION OF THE TECHNICAL SUPPORT CENTER (TSC)

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages
1	01/21/04	3 & 6 of 7

Implementation Statement: N/A

Issue Date: 04/02/03

## 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 Manager/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.

Although response time will vary due to factors such as weather and traffic conditions, a goal of sixty (60) minutes for activation has been established for onsite emergency facilities including the EOF.

In accordance with AP 6002, Preparing 50.59 Evaluations, the results of an Applicability Determination (AD) has determined that an AD is not required for future changes provided the procedure scope is not changed. The basis for this conclusion is that this document is an Emergency Implementing Procedure and is subject to 10CFR50.54(q) to determine if the changes decrease the effectiveness of the Emergency Plan and if they have the potential to affect our ability to meet the standards of 10CFR50.47(b) and the requirements of 10CFR50 Appendix E.

## ATTACHMENTS

1. Table 1 Personnel Assignment List
2. Table 2 Equipment Locations
3. Figure 1 Technical Support Center Sample Footprint

Time/Date      Initials

- 10.0 Place emergency classification label on the South wall whiteboard. \_\_\_\_\_ / \_\_\_\_\_
- 11.0 Label the whiteboard (South wall) "Chronology of significant events" to the left of the emergency classification label. \_\_\_\_\_ / \_\_\_\_\_
- 12.0 Label the whiteboard (South wall) "Work Items/Priorities" to the left of the chronology board. \_\_\_\_\_ / \_\_\_\_\_
- 13.0 Setup TSC logbook. \_\_\_\_\_ / \_\_\_\_\_
- 14.0 Place paper organizers (file trays) near end of table where the logbook and TSC Coordinator are. \_\_\_\_\_ / \_\_\_\_\_
- 15.0 Place large stacks of 3 part forms near paper organizers and on small tables \_\_\_\_\_ / \_\_\_\_\_
- 16.0 Place Implementing Procedures, ERF Directory and TSC Implementing Forms books on table near TSC Coordinator. \_\_\_\_\_ / \_\_\_\_\_

**NOTE**

A spare fax machine is available in the General Manager Sr. Secretary's office. If one of the TSC fax machines is not working properly, use the spare fax machine and notify the EOF at x4867 or fax the change to the EOF at x4868 and post the change on the inoperable fax machine.

- 17.0 Setup outgoing fax machine in copier room (x5995) and test by faxing between incoming fax machine (x5440) in copier room. (See Figure 4 of OP 3504) \_\_\_\_\_ / \_\_\_\_\_

**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.

- 18.0 Process Computer Engineering Staff Member activates the Emergency Response Data System (ERDS) data link w/NRC (per RP 2454). \_\_\_\_\_ / \_\_\_\_\_

**PREAPPROVED LPC FORM**

**PART 1 - Initiation**

**Converted to Admin. Revision #**

**LPC No:** /

A. Procedure No.: <b>OP 3543</b>		Current Revision #: <b>Original</b>		Title: <b>Activation of the OSC</b>	
B. Description of Change: <b>Added ERF Activation Times.</b>					
C. Reason for Change: <input type="checkbox"/> Result of Design Change, Minor Mod, EDCR _____ <input checked="" type="checkbox"/> Related ER No. _____ - <b>CR-VTYLO-2003-0206</b> <input type="checkbox"/> Other: _____ <input type="checkbox"/> Editorial					
D. Duration: <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> One Time Only		E. Surveillance Database Change? <input type="checkbox"/> Yes, change submitted <input checked="" type="checkbox"/> No		I. Originator (Print/Sign/Date) (Use AP 0096, App. A as a reference) (Complete & attach AP 0096 App. C, unless editorial)	
F. Procedure Type: <input checked="" type="checkbox"/> Technical <input type="checkbox"/> Admin. (AP,PP)		G. AP 0091, Risk Assessment <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Audra Williams <b>12/18/03</b>	
H. Page(s) affected: <u>page 3 of 7</u> <i>me</i>				<i>Audra Williams</i>	

**PART 2 - Review/Approval (Refer to LPC Criteria of Appendix A)**

A. Technical Verification Review (Print/Sign/Date) (Use AP 0096, Appendix B as a reference) <input type="checkbox"/> N/A <i>Christina Canty   Christina Canty 12/22/03</i> (May perform Qualified Review) (N/A if editorial change)		B. Cross-Discipline Review(s) (Print/Sign/Date) <input type="checkbox"/> N/A <b>Audra Williams</b> <b>12/18/03</b> <i>Audra Williams</i>	
C. Qualified Review (Print/Sign/Date) (Use AP 0096, Appendix D, as a reference) <input type="checkbox"/> N/A <i>Audra Williams</i> <b>12/18/03</b> (N/A if editorial change)		D. 50.59 review completed type: <input type="checkbox"/> AD/Screen <input type="checkbox"/> Evaluation <input type="checkbox"/> N/A (N/A if editorial change) <input checked="" type="checkbox"/> 50.54(q) (EPIP only)	
E. RPO Approval (Print/Sign/Date) <b>12/22/03</b> <i>Brian M. Finn</i>		F. IF 50.59 Evaluation: <input checked="" type="checkbox"/> N/A PORC Mtg. Date:	
G. Plant Manager (Print/Sign/Date) (SPs only) N/A			
H. Training: (Required for Admin Procedures, unless editorial) <input checked="" type="checkbox"/> N/A			
I. Effective Date: <b>1.21.04</b>			

CDS Initials *me*

## 10 CFR 50.54(q) Evaluation Checklist

List of Emergency Plan Section(s)/Emergency Plan Implementing Procedure(s) or any other document to be evaluated. (Include Title and Revision No.):

OP 3543, Original, LPC #1, Activation of the OSC

### A. Screening Evaluation

Based on a review of the following questions, determine if the change has the potential to affect our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.

A "YES" answer to any part of the questions requires that a written evaluation be done to determine whether the effectiveness of the Emergency Plan was decreased as specified in Section B of this checklist.

A "NO" answer to all questions requires no written evaluation as specified in Section B of this checklist.

1. Could the proposed change affect our ability to meet the following standards of 10CFR50.47(b):

- (1) Assignment of Emergency Response Organization responsibilities
- (2) Assignment of on-shift Emergency Response Organization personnel
- (3) Arrangements for Emergency Response Support and Resources
- (4) Emergency Classification and Action levels, including facility system and effluent parameters
- (5) Notification Methods and Procedures
- (6) Emergency Communications among principal response organizations and the public
- (7) Public Education and Information
- (8) Adequacy of Emergency Facilities and Equipment
- (9) Adequacy of Accident Assessment methods, systems and equipment
- (10) Plume exposure pathway EPZ protective actions
- (11) Emergency Worker Radiological Exposure Control
- (12) Medical Services for contaminated injured individuals
- (13) Recovery and Reentry Plans
- (14) Emergency response periodic drills and exercises
- (15) Radiological Emergency Response Training
- (16) Plan development, review and distribution

	YES	NO
		X
		X
		X
		X
		X
		X
		X
		X
		X
		X
		X
		X
		X
		X
		X

**10 CFR 50.54(q) Evaluation Checklist (Continued)**

<b>YES</b>	<b>NO</b>
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2. Could the change affect our ability to meet the following requirements of Appendix E to 10CFR50

- (1) Section IV. A - Organization
- (2) Section IV. B - Assessment Actions
- (3) Section IV. C - Activation of Emergency Organizations
- (4) Section IV. D - Notification Procedures
- (5) Section IV. E - Emergency Facilities and Equipment
- (6) Section IV. F - Training
- (7) Section IV. G - Maintaining Emergency Preparedness
- (8) Section IV. H - Recovery

	X
	X
	X
	X
	X
	X
	X
	X

**B. Effectiveness Determination**

For each applicable (i.e., a "yes" answer specified) standard to 10CFR50.47(b) and Appendix E to 10CFR50 identified from Section A above, complete the evaluation form below to determine whether the change decreases the effectiveness of the Emergency Plan and whether it continues to meet the stated applicable standard or requirement.

A facsimile of the evaluation form may be used as needed and attached to this checklist.

For applicable item 10CFR50. n/a of Section A above, this change  
 DOES  DOES NOT decrease the effectiveness of the Emergency Plan and  
 DOES  DOES NOT continue to meet the stated applicable standard or requirement.

**BASIS FOR ANSWER:**

The ERF activation times were added to the discussion section of the procedure. These times were the expectation and have not changed; they have just been added to the procedure for clarification. This change does not decrease the effectiveness of the plan and it continues to meet all requirements.

10 CFR 50.54(q) Evaluation Checklist (Continued)

C. Conclusion (Fill out appropriate information)

- The changes made do not decrease the effectiveness of the Emergency Plan and continue to meet the standards of 10CFR50.47(b) and the requirements of Appendix E to 10CFR50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10CFR50.47(b) and the requirements of Appendix E to 10CFR50. The following course of action is recommended:
  - Revise proposed changes to meet applicable standards and requirements.
  - Cancel the proposed changes.
  - Process proposed changes for NRC approval prior to implementation in accordance with 10CFR50.54(q).

D. Impact on Other Documents (TRM, Tech Specs)

Keywords used in search: \_\_\_\_\_

- This change does not affect any other documents.
- This change does affect other documents.

Document(s) affected: OP 3545, OP 3541

Section(s) affected: \_\_\_\_\_

E. Impact on the Updated FSAR

Use AP 6036 to determine if the proposed E-Plan change modifies existing UFSAR information or requires the addition of new UFSAR information and initiate UFSAR change(s) as required.

Keywords used in UFSAR search: does not affect the USFAR

Additional Comments:

Prepared By: Christina Carby Christina Carby Date: 12/22/03  
(Print/Sign)

Reviewed By: Audra Williams Audra Williams Date: 12/18/03  
(Emergency Plan Coordinator) (Print/Sign)

**APPENDIX C  
CROSS-DISCIPLINE REVIEW CHECKLIST**

Required to be completed for new procedures, procedure revisions, and LPCs unless they are designated as Editorial.

Procedure Number/Revision OP 3543, Original, LPC#1

Reviewer/Date (Print) Audra Williams 12/18/03

**GENERAL REVIEW GUIDELINES/SPECIAL REVIEW REQUIREMENTS**

- The Cross-Discipline Review Guidelines below constitute minimum review requirements; other reviews may apply.
- Determination of reviews should focus on *changes* made to a procedure and the potential impact of those changes on the affected group. Changes that are minimally or nonimpacting do not need review by the potentially affected group. If change impact is unclear, the procedure should be routed to the potentially affected group for review.
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- ALL noneditorial changes to Special Process procedures (WP, NE, heat treating, etc.), including Vendor Procedures that address Special Processes, shall be reviewed by: a Welding Engineer (welding procedures) or a NDE Level III certified in the method addressed by the procedure (nondestructive examination procedures), AND the Quality Assurance Manager, AND submitted to the Authorized Nuclear Inservice Inspector (ANII) prior to use.
- A "YES" indicates that a Cross Discipline Review shall be done by the indicated Department. Document the review on VYAPF 0096.01, VYAPF 0097.01, or VYAPF 0097.02, as applicable.

	APPLICABLE	
	YES	NO
<b>Chemistry:</b> <ul style="list-style-type: none"> <li>• Potentially affects condensate, feedwater, or reactor water chemistry, or chemistry instruments.</li> <li>• Procedures that implement the requirements of the VY Environmental Program. (see PP 7603, Appendix A)</li> <li>• Produces/affects effluents or effluent monitoring (VY/QA 01-015).</li> <li>• Affects NPDES limits or method of compliance.</li> </ul>		X
<b>Maintenance (Mech, Elec, I&amp;C):</b> <ul style="list-style-type: none"> <li>• Requires Maintenance personnel to perform activities, such as performance of maintenance procedures, installation of M&amp;TE, lifting and landing of leads and connectors.</li> </ul>		X
<b>Operations:</b> <ul style="list-style-type: none"> <li>• Changed requirements for entry into a Limiting Condition for Operation (LCO) or significantly changes duration of LCO.</li> <li>• Requires Operations alignment/restoration of systems or components.</li> <li>• Specifies surveillance or post maintenance testing by Operations.</li> </ul>		X
<b>EOP/SAG Coordinator:</b> <ul style="list-style-type: none"> <li>• Procedures that have the potential to affect the EOPs/SAGs.</li> </ul>		X

<b>Quality Assurance:</b> <ul style="list-style-type: none"> <li>Compliance with QA Program requirements cannot be readily determined by the Qualified Reviewer.</li> </ul>		X
<b>Radiation Protection:</b> <ul style="list-style-type: none"> <li>Involves work in contaminated areas and high radiation areas.</li> <li>Involves work that breaches contaminated systems or components.</li> <li>Changes in radwaste or hazardous waste generation.</li> </ul>		X
<b>Emergency Plan Coordinator:</b> <ul style="list-style-type: none"> <li>Emergency Plan Implementing Procedures.</li> <li>Obtain and attach a 10CFR50.54(q) Evaluation.</li> <li>Affects Emergency Plan personnel, facilities or equipment.</li> </ul>	X	
<b>Software Quality Assurance Administrator</b> <ul style="list-style-type: none"> <li>Procedures that define how software is developed.</li> </ul>		X
<b>Reactor Engineering:</b> <ul style="list-style-type: none"> <li>Could affect core reactivity, thermal power, reactor heat balance, or fuel integrity.</li> <li>Involves refueling operations.</li> </ul>		X
<b>Systems/Project/Design Engineering:</b> <ul style="list-style-type: none"> <li>Maintenance Rule in-scope systems unavailability time.</li> <li>Involves infrequently performed test or evolution.</li> <li>Changed requirements for entry into a Limiting Condition for Operation (LCO) or significantly changes duration of LCO.</li> <li>Significant changes in system test or operation methodology.</li> </ul>		X
<b>Appendix J Coordinator:</b> <ul style="list-style-type: none"> <li>Changes that affect App. J leakrates or containment boundaries, or boundary valve manipulation.</li> </ul>		X
<b>Appendix R Coordinator:</b> <ul style="list-style-type: none"> <li>Appendix R implementing procedures.</li> </ul>		X
<b>Environmental Qualification (EQ) Coordinator:</b> <ul style="list-style-type: none"> <li>Change in EQ test methodology or component lifetime.</li> <li>Potentially affects area EQ component environment.</li> </ul>		X
<b>Fire Protection Coordinator (FPC):</b> <ul style="list-style-type: none"> <li>Fire Protection procedures.</li> <li>Affects fire loading</li> <li>Affects fire barrier integrity.</li> <li>Affects fire protection systems or component functionality.</li> </ul>		X
<b>IST Program Coordinator:</b> <ul style="list-style-type: none"> <li>Inservice Testing Program implementing procedures.</li> <li>All surveillance procedures.</li> </ul>		X
<b>ISI Program Coordinator:</b> <ul style="list-style-type: none"> <li>Inservice Inspection Program implementing procedures.</li> </ul>		X

<b>Setpoint Coordinator:</b> <ul style="list-style-type: none"> <li>Changes that impact setpoints, as-found/as-left tolerances, M&amp;TE or testing methodology.</li> </ul>		X
<b>Nuclear &amp; PRA</b> <ul style="list-style-type: none"> <li>Potentially affects IPEEE or ORAM Sentinel Risk Models.</li> <li>Potentially affects plant SSCs reliability.</li> <li>Potentially affects Nuclear or Radiological Safety Analysis.</li> </ul>		X
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<b>MOV Program Coordinator:</b> <ul style="list-style-type: none"> <li>Potentially affects system parameters for which MOV operation has been evaluated.</li> </ul>		X
<b>AOV Program Coordinator:</b> <ul style="list-style-type: none"> <li>Potentially affects system parameters for which AOV operation has been evaluated.</li> </ul>		X

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3543

ORIGINAL

ACTIVATION OF THE OPERATIONS SUPPORT CENTER (OSC)

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages
1	01/21/04	3 of 6

Implementation Statement: N/A

Issue Date: 04/02/03

## PURPOSE

To outline the actions required to activate the Operations Support Center (OSC).

## DISCUSSION

The OSC 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 Manager/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 Operations Support Center Coordinator (OSCC) designates an individual responsible for initiating this procedure following an emergency classification announcement.

In accordance with AP 6002, Preparing 50.59 Evaluations, the results of an Applicability Determination (AD) has determined that an AD is not required for future changes provided the procedure scope is not changed. The basis for this conclusion is that this document is an Emergency Implementing Procedure and is subject to 10CFR50.54(q) to determine if the changes decrease the effectiveness of the Emergency Plan and if they have the potential to affect our ability to meet the standards of 10CFR50.47(b) and the requirements of 10CFR50 Appendix E.

Although response time will vary due to factors such as weather and traffic conditions, a goal of sixty (60) minutes for activation has been established for onsite emergency facilities including the EOF.

**PREAPPROVED LPC FORM**

**PART 1 – Initiation**

Converted to Admin. Revision #

LPC No: 1

A. Procedure No.: <b>OP 3547</b>		Current Revision #: <b>2</b>	Title: <b>Security Actions During An Emergency</b>
B. Description of Change: <b>Added reference to Security Post Order 02-06.</b> <b>Added step to ensure Security Post Order 02-06 is being performed.</b> <b>Added Figure 1 – Alternate Evacuation Route &amp; Evacuation Announcement Locations</b>			
C. Reason for Change: <input type="checkbox"/> Result of Design Change, Minor Mod, EDCR _____ <input checked="" type="checkbox"/> Related ER No. _____ - <b>CR-VTYLO-2002-0068 #3</b> <input type="checkbox"/> Other: _____ <input type="checkbox"/> Editorial			
D. Duration: <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> One Time Only		I. Originator (Print/Sign/Date) (Use AP 0096, App. A as a reference) (Complete & attach AP 0096 App. C, unless editorial)	
E. Surveillance Database Change? <input type="checkbox"/> Yes, change submitted <input checked="" type="checkbox"/> No		Audra Williams <b>12/18/03</b>	
F. Procedure Type: <input checked="" type="checkbox"/> Technical <input type="checkbox"/> Admin. (AP,PP)		<i>Audra Williams</i>	
G. AP 0091, Risk Assessment <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
H. Page(s) affected: <u>Pages 4,5, and 7 of 8, Figure 1 page 1 of 1</u>			

**PART 2 - Review/Approval (Refer to LPC Criteria of Appendix A)**

A. Technical Verification Review (Print/Sign/Date) (Use AP 0096, Appendix B as a reference) <input type="checkbox"/> N/A <i>Christina Conly/Christina Conly 12/22/03</i> (May perform Qualified Review) (N/A if editorial change)		B. Cross-Discipline Review(s) (Print/Sign/Date) <input type="checkbox"/> N/A Audra Williams <b>12/18/03</b> <i>Audra Williams</i>	
C. Qualified Review (Print/Sign/Date) (Use AP 0096, Appendix D, as a reference) <input type="checkbox"/> N/A Audra Williams <i>Audra Williams</i> <b>12/18/03</b> (N/A if editorial change)		D. 50.59 review completed type: <input type="checkbox"/> AD/Screen <input type="checkbox"/> Evaluation <input checked="" type="checkbox"/> N/A (N/A if editorial change) <input checked="" type="checkbox"/> 50.54(q) (EPIP only)	
E. RPO Approval (Print/Sign/Date) <b>12/24/03</b> <i>Bruce M. Finn Bruce M. Finn</i>		F. IF 50.59 Evaluation: <input checked="" type="checkbox"/> N/A PORC Mtg. Date:	
G. Plant Manager (Print/Sign/Date) (SPs only) N/A			
H. Training: (Required for Admin Procedures, unless editorial) <input checked="" type="checkbox"/> N/A			
I. Effective Date: <b>1-21-04</b>			

CDS Initials mes

## 10 CFR 50.54(q) Evaluation Checklist

List of Emergency Plan Section(s)/Emergency Plan Implementing Procedure(s) or any other document to be evaluated. (Include Title and Revision No.):

OP 3547, Rev. 2, LPC #1, Security Actions During an Emergency

### A. Screening Evaluation

Based on a review of the following questions, determine if the change has the potential to affect our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.

A "YES" answer to any part of the questions requires that a written evaluation be done to determine whether the effectiveness of the Emergency Plan was decreased as specified in Section B of this checklist.

A "NO" answer to all questions requires no written evaluation as specified in Section B of this checklist.

1. Could the proposed change affect our ability to meet the following standards of 10CFR50.47(b):

- |   | YES | NO |
|---|-----|----|
| (1) Assignment of Emergency Response Organization responsibilities                                |     | X  |
| (2) Assignment of on-shift Emergency Response Organization personnel                              |     | X  |
| (3) Arrangements for Emergency Response Support and Resources                                     |     | X  |
| (4) Emergency Classification and Action levels, including facility system and effluent parameters |     | X  |
| (5) Notification Methods and Procedures   |     | X  |
| (6) Emergency Communications among principal response organizations and the public                |     | X  |
| (7) Public Education and Information  |     | X  |
| (8) Adequacy of Emergency Facilities and Equipment  |     | X  |
| (9) Adequacy of Accident Assessment methods, systems and equipment                                |     | X  |
| (10) Plume exposure pathway EPZ protective actions  |     | X  |
| (11) Emergency Worker Radiological Exposure Control   |     | X  |
| (12) Medical Services for contaminated injured individuals  |     | X  |
| (13) Recovery and Reentry Plans   |     | X  |
| (14) Emergency response periodic drills and exercises   |     | X  |
| (15) Radiological Emergency Response Training   |     | X  |
| (16) Plan development, review and distribution.   |     | X  |

**10 CFR 50.54(q) Evaluation Checklist (Continued)**

<b>YES</b>	<b>NO</b>
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2. Could the change affect our ability to meet the following requirements of Appendix E to 10CFR50

- (1) Section IV. A - Organization
- (2) Section IV. B - Assessment Actions
- (3) Section IV. C - Activation of Emergency Organizations
- (4) Section IV. D - Notification Procedures
- (5) Section IV. E - Emergency Facilities and Equipment
- (6) Section IV. F - Training
- (7) Section IV. G - Maintaining Emergency Preparedness
- (8) Section IV. H - Recovery

	X
	X
	X
	X
	X
	X
	X
	X

**B. Effectiveness Determination**

For each applicable (i.e., a "yes" answer specified) standard to 10CFR50.47(b) and Appendix E to 10CFR50 identified from Section A above, complete the evaluation form below to determine whether the change decreases the effectiveness of the Emergency Plan and whether it continues to meet the stated applicable standard or requirement.

A facsimile of the evaluation form may be used as needed and attached to this checklist.

For applicable item 10CFR50. n/a of Section A above, this change

- DOES     DOES NOT decrease the effectiveness of the Emergency Plan and  
 DOES     DOES NOT continue to meet the stated applicable standard or requirement.

**BASIS FOR ANSWER:**

Reference to the Security Post Order 02-06 was added. The OCA patrols were already taking place; this is to formalize the process. This does not change the intent of patrols as outlined in the post order. A map was added to signify where the announcements of the patrols are to be made. This map also indicates the Alternate Evacuation route at the plant site. This does not decrease the effectiveness of the Plan and it continues to meet all requirements.

10 CFR 50.54(q) Evaluation Checklist (Continued)

C. Conclusion (Fill out appropriate information)

- The changes made do not decrease the effectiveness of the Emergency Plan and continue to meet the standards of 10CFR50.47(b) and the requirements of Appendix E to 10CFR50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10CFR50.47(b) and the requirements of Appendix E to 10CFR50. The following course of action is recommended:
  - Revise proposed changes to meet applicable standards and requirements.
  - Cancel the proposed changes.
  - Process proposed changes for NRC approval prior to implementation in accordance with 10CFR50.54(q).

D. Impact on Other Documents (TRM, Tech Specs)

Keywords used in search: \_\_\_\_\_

- This change does not affect any other documents.
- This change does affect other documents.

Document(s) affected: \_\_\_\_\_

Section(s) affected: \_\_\_\_\_

E. Impact on the Updated FSAR

Use AP 6036 to determine if the proposed E-Plan change modifies existing UFSAR information or requires the addition of new UFSAR information and initiate UFSAR change(s) as required.

Keywords used in UFSAR search: does not affect the USFAR

Additional Comments:

Prepared By: Christina Canty Christina Canty Date: 12/22/03  
(Print/Sign)

Reviewed By: Audra Williams Audra Williams Date: 12/18/03  
(Emergency Plan Coordinator) (Print/Sign)

**APPENDIX C  
CROSS-DISCIPLINE REVIEW CHECKLIST**

Required to be completed for new procedures, procedure revisions, and  
LPCs unless they are designated as Editorial.

Procedure Number/Revision OP 3547, Rev. 2, LPC#1

Reviewer/Date (Print) Audra Williams 12/18/03

**GENERAL REVIEW GUIDELINES/SPECIAL REVIEW REQUIREMENTS**

- The Cross-Discipline Review Guidelines below constitute minimum review requirements; other reviews may apply.
- Determination of reviews should focus on *changes* made to a procedure and the potential impact of those changes on the affected group. Changes that are minimally or nonimpacting do not need review by the potentially affected group. If change impact is unclear, the procedure should be routed to the potentially affected group for review.
- New or revised Administrative or Program Procedures that significantly impact other departments, shall be reviewed by the appropriate Superintendent or Senior Manager. The PAA maintains a list of these Administrative and Program Procedures.
- ALL noneditorial changes to Special Process procedures (WP, NE, heat treating, etc.), including Vendor Procedures that address Special Processes, shall be reviewed by: a Welding Engineer (welding procedures) or a NDE Level III certified in the method addressed by the procedure (nondestructive examination procedures), AND the Quality Assurance Manager, AND submitted to the Authorized Nuclear Inservice Inspector (ANII) prior to use.
- A "YES" indicates that a Cross Discipline Review shall be done by the indicated Department. Document the review on VYAPF 0096.01, VYAPF 0097.01, or VYAPF 0097.02, as applicable.

	APPLICABLE	
	YES	NO
<b>Chemistry:</b> <ul style="list-style-type: none"> <li>• Potentially affects condensate, feedwater, or reactor water chemistry, or chemistry instruments.</li> <li>• Procedures that implement the requirements of the VY Environmental Program. (see PP 7603, Appendix A)</li> <li>• Produces/affects effluents or effluent monitoring (VY/QA 01-015).</li> <li>• Affects NPDES limits or method of compliance.</li> </ul>		X
<b>Maintenance (Mech, Elec, I&amp;C):</b> <ul style="list-style-type: none"> <li>• Requires Maintenance personnel to perform activities, such as performance of maintenance procedures, installation of M&amp;TE, lifting and landing of leads and connectors.</li> </ul>		X
<b>Operations:</b> <ul style="list-style-type: none"> <li>• Changed requirements for entry into a Limiting Condition for Operation (LCO) or significantly changes duration of LCO.</li> <li>• Requires Operations alignment/restoration of systems or components.</li> <li>• Specifies surveillance or post maintenance testing by Operations.</li> </ul>		X
<b>EOP/SAG Coordinator:</b> <ul style="list-style-type: none"> <li>• Procedures that have the potential to affect the EOPs/SAGs.</li> </ul>		X

<b>Quality Assurance:</b> <ul style="list-style-type: none"> <li>Compliance with QA Program requirements cannot be readily determined by the Qualified Reviewer.</li> </ul>		X
<b>Radiation Protection:</b> <ul style="list-style-type: none"> <li>Involves work in contaminated areas and high radiation areas.</li> <li>Involves work that breaches contaminated systems or components.</li> <li>Changes in radwaste or hazardous waste generation.</li> </ul>		X
<b>Emergency Plan Coordinator:</b> <ul style="list-style-type: none"> <li>Emergency Plan Implementing Procedures.</li> <li>Obtain and attach a 10CFR50.54(q) Evaluation.</li> <li>Affects Emergency Plan personnel, facilities or equipment.</li> </ul>	X	
<b>Software Quality Assurance Administrator</b> <ul style="list-style-type: none"> <li>Procedures that define how software is developed.</li> </ul>		X
<b>Reactor Engineering:</b> <ul style="list-style-type: none"> <li>Could affect core reactivity, thermal power, reactor heat balance, or fuel integrity.</li> <li>Involves refueling operations.</li> </ul>		X
<b>Systems/Project/Design Engineering:</b> <ul style="list-style-type: none"> <li>Maintenance Rule in-scope systems unavailability time.</li> <li>Involves infrequently performed test or evolution.</li> <li>Changed requirements for entry into a Limiting Condition for Operation (LCO) or significantly changes duration of LCO.</li> <li>Significant changes in system test or operation methodology.</li> </ul>		X
<b>Appendix J Coordinator:</b> <ul style="list-style-type: none"> <li>Changes that affect App. J leakrates or containment boundaries, or boundary valve manipulation.</li> </ul>		X
<b>Appendix R Coordinator:</b> <ul style="list-style-type: none"> <li>Appendix R implementing procedures.</li> </ul>		X
<b>Environmental Qualification (EQ) Coordinator:</b> <ul style="list-style-type: none"> <li>Change in EQ test methodology or component lifetime.</li> <li>Potentially affects area EQ component environment.</li> </ul>		X
<b>Fire Protection Coordinator (FPC):</b> <ul style="list-style-type: none"> <li>Fire Protection procedures.</li> <li>Affects fire loading</li> <li>Affects fire barrier integrity.</li> <li>Affects fire protection systems or component functionality.</li> </ul>		X
<b>IST Program Coordinator:</b> <ul style="list-style-type: none"> <li>Inservice Testing Program implementing procedures.</li> <li>All surveillance procedures.</li> </ul>		X
<b>ISI Program Coordinator:</b> <ul style="list-style-type: none"> <li>Inservice Inspection Program implementing procedures.</li> </ul>		X

<b>Setpoint Coordinator:</b> <ul style="list-style-type: none"> <li>Changes that impact setpoints, as-found/as-left tolerances, M&amp;TE or testing methodology.</li> </ul>		X
<b>Nuclear &amp; PRA</b> <ul style="list-style-type: none"> <li>Potentially affects IPEEE or ORAM Sentinel Risk Models.</li> <li>Potentially affects plant SSCs reliability.</li> <li>Potentially affects Nuclear or Radiological Safety Analysis.</li> </ul>		X
<b>Security:</b> <ul style="list-style-type: none"> <li>Proceures that implement the requirements of the VY Physical Security and Training and Qualification Plans.</li> <li>Changes that have a potential for reduction of the VY Physical Security and Training and Qualification Plan commitments.</li> <li>Obtain and attach a 10CFR50.54(P) Evaluation.</li> </ul>		X
<b>MOV Program Coordinator:</b> <ul style="list-style-type: none"> <li>Potentially affects system parameters for which MOV operation has been evaluated.</li> </ul>		X
<b>AOV Program Coordinator:</b> <ul style="list-style-type: none"> <li>Potentially affects system parameters for which AOV operation has been evaluated.</li> </ul>		X

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3547

REVISION 2

SECURITY ACTIONS DURING AN EMERGENCY

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages
1	01/21/04	4, 5 & 7 of 8 & ADDED FIG 1 Pg 1 of 1

Implementation Statement: N/A

Issue Date: 09/24/03

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.

The Security Shift Supervisor (SSS) is responsible for initiating this procedure following an emergency classification announcement. If an evacuation is called for, the SSS will ensure personnel accountability in accordance with OP 3524, and Owner Controlled Area announcements are performed in accordance with Security Post Order 02-06.

In accordance with AP 6002, Preparing 50.59 Evaluations, the results of an Applicability Determination (AD) has determined that an AD is not required for future changes provided the procedure scope is not changed. The basis for this conclusion is that this document is an Emergency Implementing Procedure and is subject to 10CFR50.54(q) to determine if the changes decrease the effectiveness of the Emergency Plan and if they have the potential to affect our ability to meet the standards of 10CFR50.47(b) and the requirements of 10CFR50 Appendix E.

## ATTACHMENTS

- I LPC  
1
1. Figure 1 Alternate Evacuation Route & Evacuation Announcement Locations

## QA REQUIREMENTS CROSS REFERENCE

1. None

## 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 0009, Event Reports
- b. AP 0010, Situational Reporting Requirements
- c. AP 0021, Work Orders
- d. AP 0156, Notification of Significant Events
- e. ENN-OM-105, Fitness for Duty Program
- f. AP 3125, Emergency Plan Classification and Action Level Scheme
- g. OP 3504, Emergency Communications
- h. OP 3507, Emergency Radiation Exposure Control
- i. OP 3524, Emergency Actions to Ensure Initial Accountability and Security Response
- j. OP 3531, Emergency Call-in Method
- k. OP 3540, Control Room Actions During an Emergency
- l. OP 3541, Activation of the Technical Support Center (TSC)
- m. OP 3542, Operation of the Technical Support Center (TSC)
- n. OP 3544, Operation of the Operations Support Center (OSC)
- o. OP 3545, Activation of the Emergency Operations Facility/Recovery Center EOF/RC
- p. OP 3546, Operation of the Emergency Operations Facility/Recovery Center EOF/RC
- q. AP 6807, Collection, Temporary Storage and Retrieval of QA Records
- r. Security Post Order 02-06

I LPC1

PRECAUTIONS/LIMITATIONS

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

- |   | <u>Time/Date</u>   | <u>Initials</u>                  |
|---|--|----------------------------------|
| 1.3. Supplement security staffing and request outside Law Enforcement, Fire Department, and Medical assistance as necessary or as requested by the Operations Shift Manager/Plant Emergency Director. | U _____ / _____<br>A _____ / _____<br>S _____ / _____<br>G _____ / _____ | _____<br>_____<br>_____<br>_____ |
| 1.4. If deemed necessary, at ALERT or higher, ensure Security has been assigned for contractor and visitor control at Gate 1.   | (circle one)<br>A S G<br>_____/_____                                     | _____<br>_____                   |
| 1.5. At ALERT and higher, ensure accountability of personnel has been completed in accordance with OP 3524.   | (circle one)<br>A S G<br>_____/_____                                     | _____<br>_____                   |

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**NOTE**

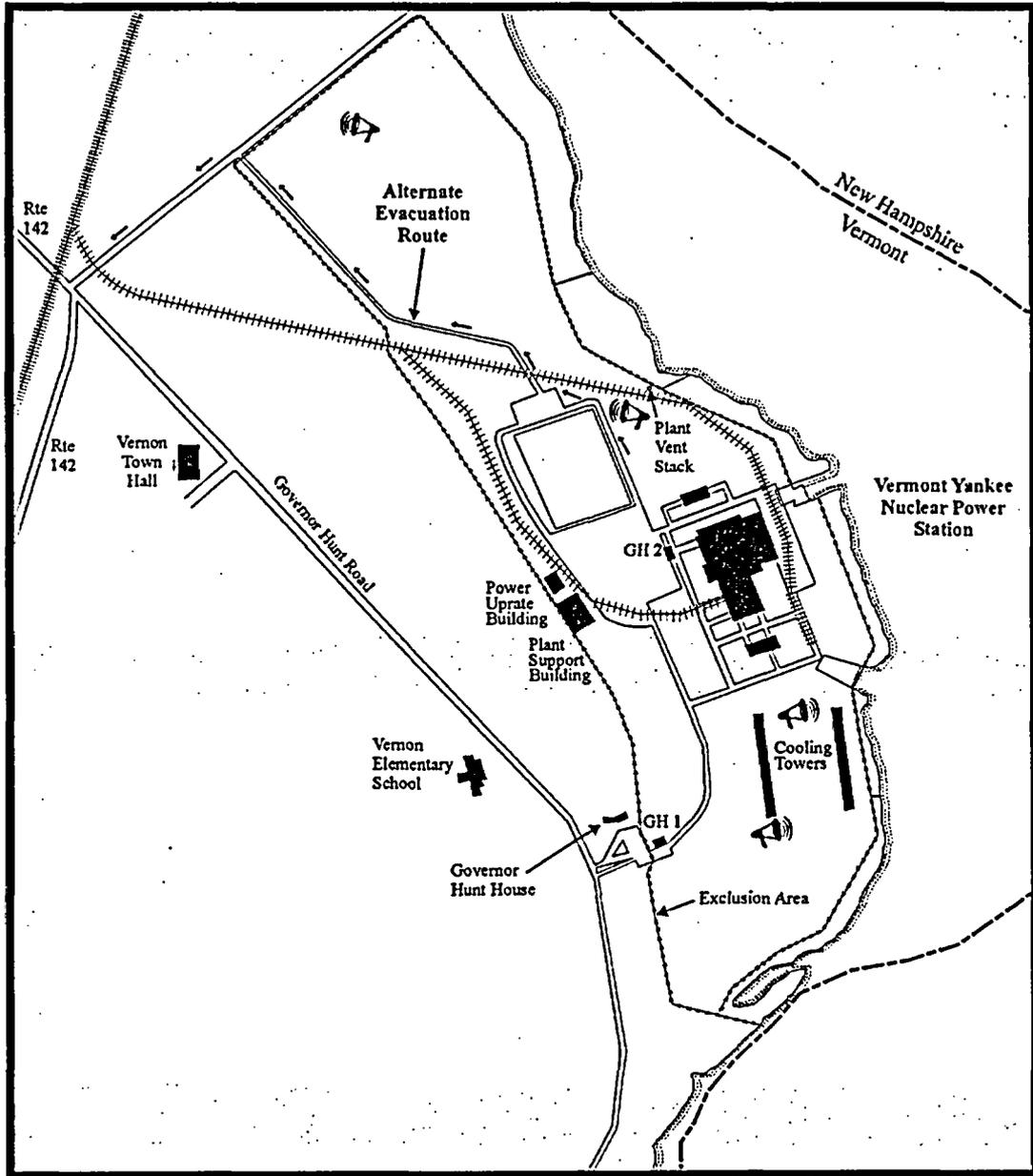
Figure 1, OP 3547 Alternate Evacuation Route & Evacuation Announcement Locations, depicts the general locations for Security patrols to make announcements and also identifies the alternate evacuation route.

- |  |  |                |
|--|--|----------------|
| 1.6. The SSS will direct the OCA patrols to announce the Emergency Plan Event declaration in the Owner Controlled Area in accordance with Security Post Order 02-06.   |  |                |
| 1.7. Notify the Wilder Station by dialing 9-1-802-291-8000 and, when a member of the watch staff answer the phone, state the following:<br>"This is Vermont Yankee Nuclear Power Station in Vernon, Vermont. We have a(n) _____.<br>I repeat, this is Vermont Yankee Nuclear Power Station in Vernon, Vermont. We have a(n) _____.<br>Please acknowledge with your name."<br>Name of Watch Staff Member<br>_____<br>_____<br>_____ | (circle one)<br>U A S G<br>_____/_____ | _____<br>_____ |
| 1.8. Post the appropriate emergency classification sign in an obvious location on the front of the Gate II desk.   | (circle one)<br>U A S G<br>_____/_____ | _____<br>_____ |
| 1.9. IF ALERT, or higher, THEN arrange for Fitness-For-Duty Collection Site Staff to be available at the EOF and the Plant.  | (circle one)<br>A S G<br>_____/_____   | _____<br>_____ |

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FIGURE 1

ALTERNATE EVACUATION ROUTE &  
EVACUATION ANNOUNCEMENT LOCATIONS



- = Alternate Evacuation Route
- 🔊 = Evacuation Announcement Location