

TO: NRC - DCC

VERMONT YANKEE CONTROLLED DOCUMENT TRANSMITTAL FORM

SECTION 1

DOCUMENT TITLE: E-PLAN IMPLEMENTING PROCEDURES

COPY NUMBER: 54

CHANGE NUMBER: 214

ISSUE DATE: February 25, 2003

INSTRUCTIONS:

- a. Attached is an authorized controlled copy to the above listed document for retention as your assigned copy.
- b. Review the revised material.
- c. Incorporate new change into the controlled document by document issue date, if applicable.
- d. Ensure that those who use the document are aware of the change.
- e. Destroy all superseded pages.
- f. Destroy obsolete forms and insert new forms into the files.
- g. Sign and date this form and return to the Procedures Administrative Assistant (PAA) or Document Control Center (DCC).
- h. Complete appropriate change information on VY Controlled Document Record of Changes.

TRANSMITTED BY: Angela M. Hogan - MC 1220  
**PAA or DCC Signature**

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

SECTION 2

The undersigned acknowledges completion of the preceding instructions.

Signature of Recipient: \_\_\_\_\_ Date: \_\_\_\_\_



Entergy Nuclear Northeast  
Vermont Yankee  
PO Box 0500  
185 Old Ferry Road  
Brattleboro, VT 05302-0500  
Tel 802 257 5271

February 24, 2003  
BVY 03-17

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 are the latest changes to the following Vermont Yankee Emergency Plan Implementing Procedures including the change memos and the 10 CFR 50.54(q) Evaluation Checklists:

OP 3504, Rev 35, LPC 2 and LPC 3  
OP 3510, Rev 27  
OP 3541, Rev 1, LPC 2  
OP 3542, Rev 1, LPC 3

OP 3544, Rev 2, LPC 1  
OP 3545, Rev 1, LPC 3  
OP 3546, Rev 2, LPC 2  
OP 3547, Rev 1, 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,

ENTERGY NUCLEAR NORTHEAST  
VERMONT YANKEE

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



**Entergy Nuclear Northeast**  
Vermont Yankee  
P.O. Box 0500  
185 Old Ferry Road  
Brattleboro, VT 05302-0500  
Tel 802 257 5271

February 25, 2003  
BVY 03-18

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 are the latest changes to the following Vermont Yankee Emergency Plan Implementing Procedures including the change memos and the 10 CFR 50.54(q) Evaluation Checklists:

OP 3524, Rev. 19, LPC#3

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,

ENTERGY NUCLEAR NORTHEAST  
VERMONT YANKEE

  
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

# Eplan Implementing Plant Procedures

To: E-Plan Implementing Procedure Controlled Set Holders  
From: Technical Support - DCC - Ann M. Pichette  
Date: 02/25/2003  
Re: VY EPlan Implementing Procedure Change #214, Instruction Sheet

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A new Table of Contents is included.

## LPCs:

The following LPCs should be incorporated into the appropriate procedures:

<u>Proc/Rev #</u>	<u>LPC #</u>	<u>Procedure Title</u>
OP 3504/35	2 & 3	Emergency Communications
OP 3510/27		Off-Site and Site Boundary Monitoring
OP 3524/19	3	Emergency Actions to Ensure Accountability and Security Response
OP 3541/1	2	Activation of the TSC
OP 3542/1	3	Operation of the TSC
OP 3544/2	1	Operation of the OSC
OP 3545/1	3	Activation of the EOF/RC
OP 3546/2	2	Operation of the EOF/RC
OP 3547/1	1	Security Actions During an Emergency

<b>Vermont Yankee Emergency Plan Implementing Procedures</b>				
<b>Table of Contents</b>				
<b>February 25, 2003</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. 35	3	"Reference"
Emergency Preparedness Exercises and Drills	OP 3505	Rev. 24	1	"Information"
Emergency Equipment Readiness Check	OP 3506	Rev. 41	3	"Reference"
Emergency Radiation Exposure Control	OP 3507	Rev. 29	2	"Reference"
On-Site Medical Emergency Procedure	OP 3508	Rev. 23		"Reference"
Environmental Sample Collection During an Emergency	OP 3509	Rev. 17		"Reference"
Off-Site and Site Boundary Monitoring	OP 3510	Rev. 27		"Reference"
Off-Site Protective Action Recommendations	OP 3511	Rev. 12		"Reference"
Evaluation of Off-Site Radiological Conditions	OP 3513	Rev. 21		"Reference"
Emergency Actions to Ensure Accountability and Security Response	OP 3524	Rev. 19	3	"Reference"
Radiological Coordination	OP 3525	Rev. 9		"Reference"
Emergency Call-In Method	OP 3531	Rev. 15	1	"Reference"
Emergency Preparedness Organization	AP 3532	Rev. 10	1	"Information"
Post Accident Sampling of Reactor Coolant	OP 3533	Rev. 6		"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. 1		"Continuous"
Control Room Actions During an Emergency	OP 3540	Rev. 2		"Reference"
Activation of the Technical Support Center	OP 3541	Rev. 1	2	"Reference"
Operation of the Technical Support Center	OP 3542	Rev. 1	3	"Reference"
Operation of the Operations Support Center	OP 3544	Rev. 2	1	"Reference"
Activation of the Emergency Operations Facility/Recovery Center	OP 3545	Rev. 1	3	"Reference"
Operation of the Emergency Operations Facility/Recovery Center	OP 3546	Rev. 2	2	"Reference"
Security Actions During an Emergency	OP 3547	Rev. 1	1	"Reference"
Emergency Plan Training	OP 3712	Rev. 16		"Information"

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3504

REVISION 35

**EMERGENCY COMMUNICATIONS**

USE CLASSIFICATION: **REFERENCE**

LPC No.	Effective Date	Affected Pages
1	01/24/03	Figure 5 Pg 1 of 1; Figure 6 Pgs 1 & 2 of 2
2	02/03/03	Figure 6 Pg 1 & 2 of 2

**Implementation Statement: N/A**

Issue Date: 12/19/2002

**FIGURE 6**  
**EMERGENCY OPERATIONS FACILITY/RECOVERY CENTER - COMMUNICATIONS ARRANGEMENT**

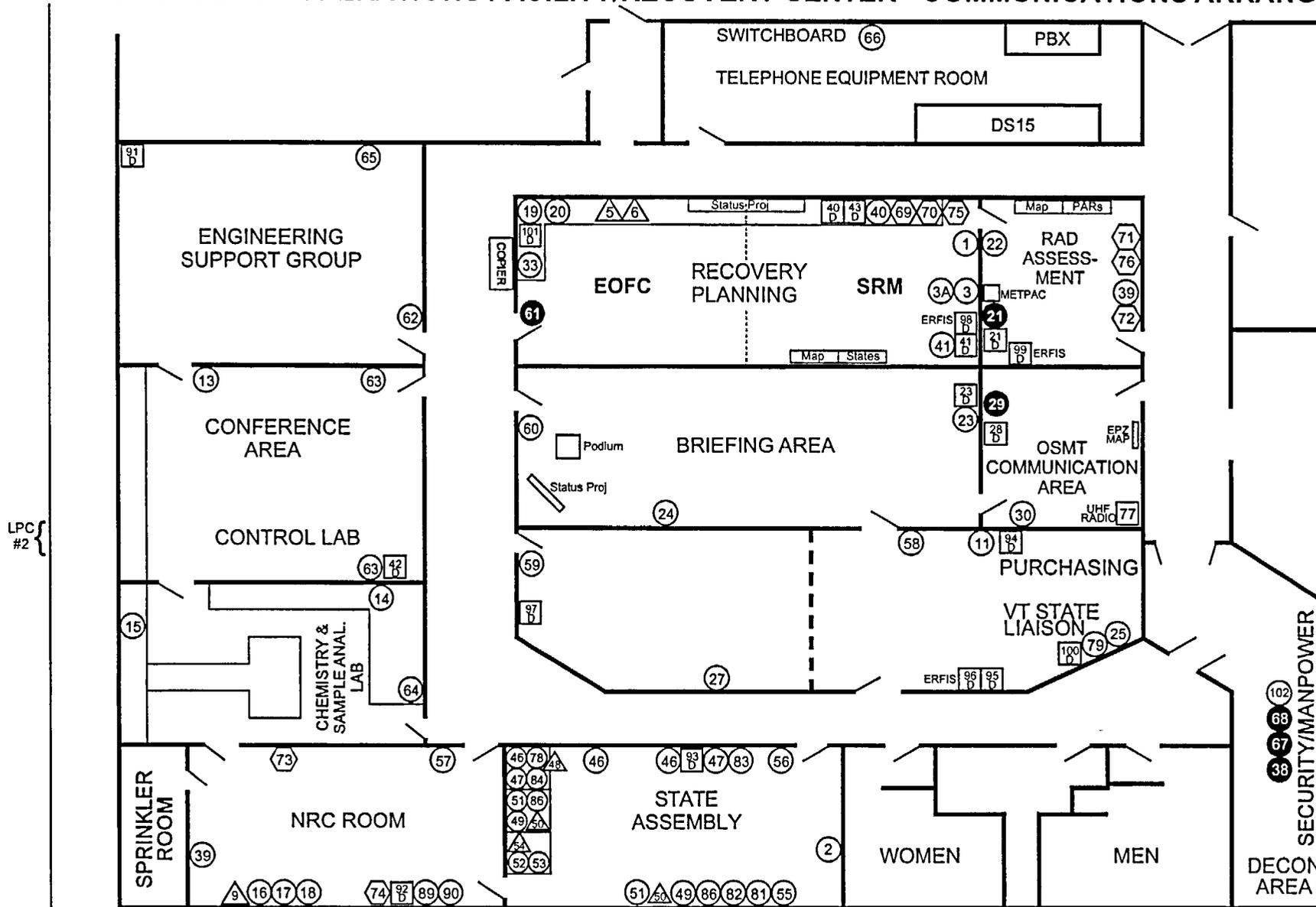


Figure 6  
 OP 3504 Rev. 35  
 Page 1 of 2  
 LPC #2

FIGURE 6 (continued)

EMERGENCY OPERATIONS FACILITY/RECOVERY CENTER - COMMUNICATIONS ARRANGEMENT

NO.	TELECOMMUNICATIONS DESCRIPTION	LOCATION	EXTENSION	NO.	TELECOMMUNICATIONS DESCRIPTION	LOCATION	EXTENSION
1	NAS PHONE	SRM OFFICE	----	60	WALL PHONE	BRIEFING AREA	4854
2	NAS PHONE	STATE ASSEMBLY	----	61	<input type="checkbox"/> WALL PHONE	RECOVERY PLANNING	4853
3	PRIMARY AUTO RINGDOWN	SRM OFFICE	4802	62	WALL PHONE	ENGINEERING SUPPORT	4852
3A	ALTERNATE AUTO RINGDOWN	SRM OFFICE	----	63	WALL PHONE	CONFERENCE/CONTROL LAB	4850
5	FAX MACHINE (INCOMING)	RECOVERY PLANNING	4867	64	WALL PHONE	CHEM LAB	4851
6	FAX MACHINE (OUTGOING)	RECOVERY PLANNING	4868	65	ENGINEERING SUPPORT GROUP	ENGINEERING SUPPORT	4271 ▶
7	(Deleted)			66	SWITCHBOARD	PBX TELEPHONE ROOM	4299 ▶
8	(Deleted)			67	<input type="checkbox"/> SECURITY/MANPOWER	LOBBY	4876 ▶
9	NRC FAX MACHINE	NRC	4268 ▶	68	<input type="checkbox"/> SECURITY/MANPOWER	LOBBY	4877
10	(Deleted)			69	NRC REACTOR SAFETY COUNTERPART LINK		
10A	(Deleted)			70	NRC ENS PHONE	RECOVERY PLANNING (FTS)	700-661-4330
LPC #2 { 11	PURCHASING COORD	ROOM 122	4872	71	NRC HPN PHONE	RECOVERY PLANNING (FTS)	700-661-4329
12	(Deleted)			72	NRC PROTECTIVE MEASURES COUNTERPART LINK	RAD ASSESSMENT (FTS)	700-661-4327
13	CONFERENCE ROOM	CONFERENCE ROOM	4873	73	NRC MANAGEMENT COUNTERPART LINK	NRC (FTS)	700-661-4326
14	SAMPLE ANALYSIS	CHEM LAB	4871	74	NRC LOCAL ACCESS NETWORK	NRC (FTS)	700-661-4325
15	SAMPLE ANALYSIS	CHEM LAB	4870	75	VY-USE NRC ENS PHONE	SRM OFFICE (FTS)	700-661-4329
16	NRC	NRC	4269 ▶	76	VY-USE NRC HPN PHONE	RAD ASSESSMENT (FTS)	700-661-4328
17	NRC	NRC	2190 ▶	77	UHF RADIO SYSTEM	OSMT AREA	-----
18	NRC	NRC	4270 ▶	78	MA PHONE	STATE ASSEMBLY	4291 ▶
19	EOF COORDINATOR	RECOVERY PLANNING	4864	79	SPARE	ROOM 122	4292
20	EOF COORDINATOR	RECOVERY PLANNING	4863	80	(Deleted)		
LPC #2 { 21	<input type="checkbox"/> RAD ASSESSMENT	RAD ASSESSMENT	4862	81	EXT. PHONE	STATE ASSEMBLY	4831
21D	MODEM	RAD ASSESSMENT	4678	82	EXT. PHONE	STATE ASSEMBLY	4832
22	RAD ASSESSMENT	RAD ASSESSMENT	4861	83	EXT. PHONE	STATE ASSEMBLY	4833
23		BRIEFING AREA	4865	84	MA PHONE	STATE ASSEMBLY	4834
23D	DATA	BRIEFING AREA	DATA	85	(Deleted)		
24	INTERNAL TO JNC	BRIEFING AREA	4866	86	EXT. PHONE	STATE ASSEMBLY	4293
24D	(Deleted)			87	(Deleted)		
25	VT NUCLEAR ENGINEER	ROOM 122	4267 ▶	88	(Deleted)		
26D	(Deleted)			89	EXT. PHONE	NRC	4260
27	SPARE	ROOM 121	4869	90	EXT. PHONE	NRC	4261
28D	RAD ASSESSMENT - DECNET	OSMT AREA	DATA	91D	DATA	ENGINEERING SUPPORT	DATA
29	<input type="checkbox"/> RAD ASSESSMENT - NRC	OSMT AREA	4253 ▶	92D	DATA	NRC	DATA
30	COMMUNICATIONS	OSMT AREA	4860	93D	DATA	STATE ASSEMBLY	DATA
33	MEDIA ADVISOR	RECOVERY PLANNING	4272 ▶	94D	DATA PURCHASING	ROOM 122	DATA
LPC #2 { 38	<input type="checkbox"/> SECURITY/MANPOWER	LOBBY	4875	95D	DATA	ROOM 122	DATA
39	NRC/RAD ASSESSMENT	NRC/RAD ASSESSMENT	2190 ▶	96D	ERFIS	ROOM 122	DATA
40	SITE RECOVERY MANAGER	RECOVERY PLANNING	4874	97D	DATA	ROOM 121	DATA
40D	LM8 TO DATA SWITCH	RECOVERY PLANNING	DATA	98D	ERFIS	RECOVERY PLANNING	DATA
41	RECOVERY PLANNING	RECOVERY PLANNING	4254 ▶	99D	ERFIS	RAD ASSESSMENT	DATA
41D	RECOVERY PLANNING DATA	RECOVERY PLANNING	DATA	100D	VT NUCLEAR ENGINEER	ROOM 122	DATA
42D	LAB 127	CONTROL LAB	DATA	101D	DATA	RECOVERY PLANNING	DATA
43D	DATA	RECOVERY PLANNING	DATA	102	SWITCHBOARD	LOBBY	
44D	(Deleted)						
45	(Deleted)						
46	MA PHONE	STATE ASSEMBLY	4281 ▶				
47	MA PHONE	STATE ASSEMBLY	4277 ▶				
48	MA FAX MACHINE	STATE ASSEMBLY	4278 ▶				
49	NH PHONE	STATE ASSEMBLY	4275 ▶				
50	NH FAX MACHINE	STATE ASSEMBLY	4276 ▶				
51	NH PHONE	STATE ASSEMBLY	4280 ▶				
52	VT PHONE	STATE ASSEMBLY	4279 ▶				
53	VT PHONE	STATE ASSEMBLY	4273 ▶				
54	VT FAX MACHINE	STATE ASSEMBLY	4274 ▶				
55	NH PHONE	STATE ASSEMBLY	2191				
LPC #2 { 56	WALL PHONE	STATE ASSEMBLY	4858				
57	WALL PHONE	NRC	4857				
58	WALL PHONE	ROOM 122	4856				
59	WALL PHONE	ROOM 121	4855				

- POWER FAIL PHONE

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

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 3504, Rev 35, LPC #2 - Emergency Communications

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 10 CFR 50.47(b):
- (1) Assignment of Emergency Response Organization responsibilities YES NO
  - (2) Assignment of on-shift Emergency Response Organization personnel YES NO
  - (3) Arrangements for Emergency Response Support and Resources YES NO
  - (4) Emergency Classification and Action levels, including facility system and effluent parameters YES NO
  - (5) Notification Methods and Procedures YES NO
  - (6) Emergency Communications among principal response organizations and the public YES NO
  - (7) Public Education and Information YES NO
  - (8) Adequacy of Emergency Facilities and Equipment YES NO
  - (9) Adequacy of Accident Assessment methods, systems and equipment YES NO
  - (10) Plume exposure pathway EPZ protective actions YES NO
  - (11) Emergency Worker Radiological Exposure Control YES NO
  - (12) Medical Services for contaminated injured individuals YES NO
  - (13) Recovery and Reentry Plans YES NO
  - (14) Emergency response periodic drills and exercises YES NO
  - (15) Radiological Emergency Response Training YES NO
  - (16) Plan development, review and distribution YES NO

10 CFR 50.54(q) Evaluation Checklist (Continued)

2. Could the change affect our ability to meet the following requirements of Appendix E to 10 CFR 50.

- |   |            |           |
|---|------------|-----------|
| (1) Section IV. A - Organization                          | YES        | <u>NO</u> |
| (2) Section IV. B - Assessment Actions                    | YES        | <u>NO</u> |
| (3) Section IV. C - Activation of Emergency Organizations | YES        | <u>NO</u> |
| (4) Section IV. D - Notification Procedures               | YES        | <u>NO</u> |
| (5) Section IV. E - Emergency Facilities and Equipment    | <u>YES</u> | NO        |
| (6) Section IV. F - Training                              | YES        | <u>NO</u> |
| (7) Section IV. G - Maintaining Emergency Preparedness    | YES        | <u>NO</u> |
| (8) Section IV. H - Recovery                              | YES        | <u>NO</u> |

B. Effectiveness Determination

For each applicable (i.e., a "yes" answer specified) standard to 10 CFR 50.47(b) and Appendix E to 10 CFR 50 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 10 CFR 50 .47(b) (9) & Appendix E Section IV. E of Section A above, this change DOES NOT decrease the effectiveness of the Emergency Plan and DOES continue to meet the stated applicable standard or requirement.

BASIS FOR ANSWER:

These changes are corrections to the original change of 1/24/03.

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 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50. 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 10 CFR 50.54(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: \_\_\_\_\_

Additional Comments:

Prepared By: Audra Williams *Audra Williams* Date: 1/27/03  
(Print/Sign)

Reviewed By: Lori A. Tkaczyk *Lori A. Tkaczyk* Date: 1/27/03  
(Emergency Plan Coordinator) (Print/Sign)

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3504

REVISION 35

**EMERGENCY COMMUNICATIONS**

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages
1	01/24/03	Figure 5 Pg 1 of 1; Figure 6 Pgs 1 & 2 of 2
2	02/03/03	Figure 6 Pgs 1 & 2 of 2
3	02/24/03	Figure 6 Pgs 1 & 2 of 2; App B Pgs 1-3 of 3

Implementation Statement: N/A

Issue Date: 12/19/2002

# FIGURE 6 EMERGENCY OPERATIONS FACILITY/RECOVERY CENTER - COMMUNICATIONS ARRANGEMENT

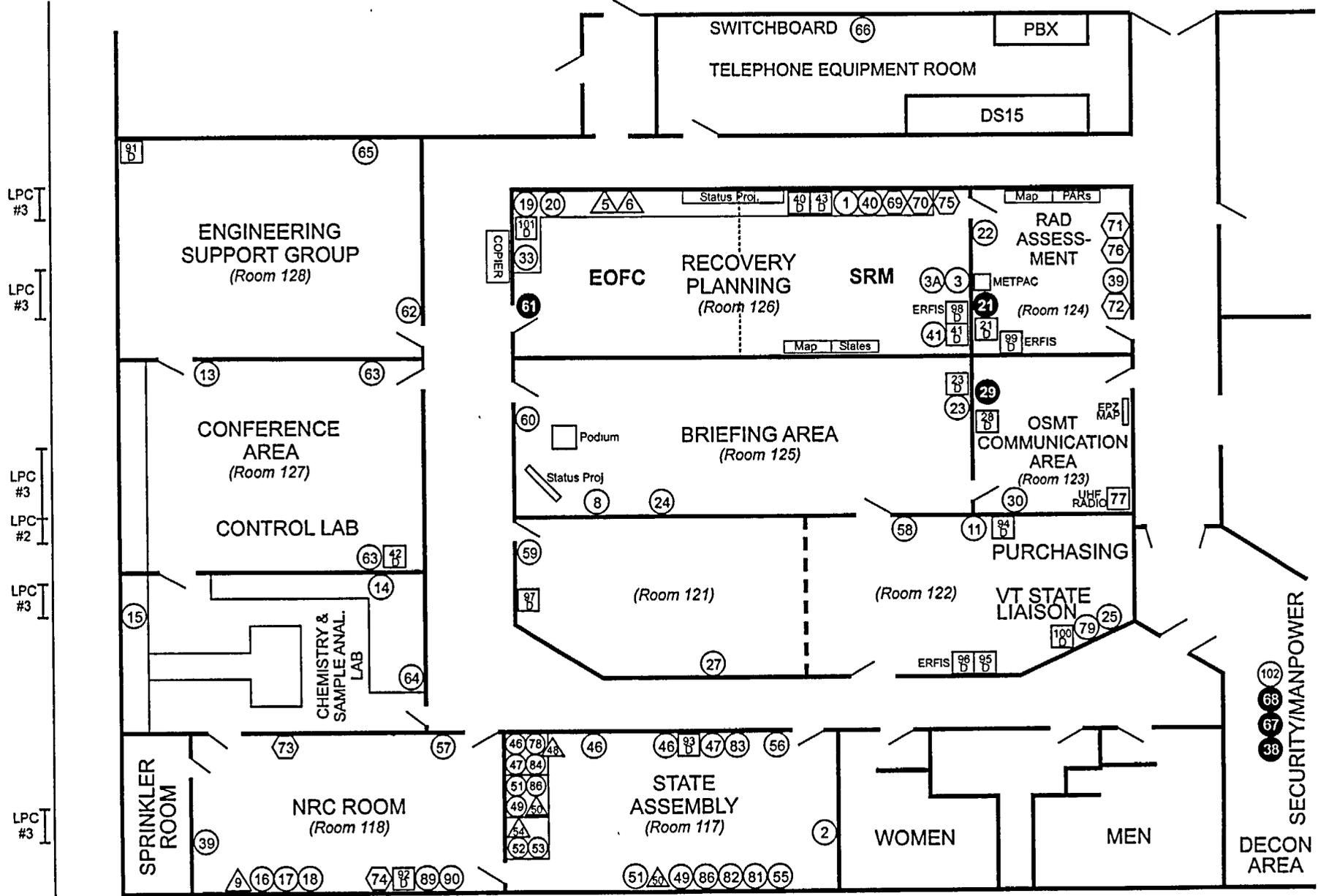


Figure 6  
OP 3504 Rev. 35  
Page 1 of 2  
LPC #3

FIGURE 6 (continued)

EMERGENCY OPERATIONS FACILITY/RECOVERY CENTER - COMMUNICATIONS ARRANGEMENT

TELECOMMUNICATIONS				TELECOMMUNICATIONS			
NO.	DESCRIPTION	LOCATION	EXTENSION	NO.	DESCRIPTION	LOCATION	EXTENSION
	1 NAS PHONE	SRM OFFICE	----	60	WALL PHONE	BRIEFING AREA	4854
	2 NAS PHONE	STATE ASSEMBLY	----	61	WALL PHONE	RECOVERY PLANNING	4853
	3 PRIMARY AUTO RINGDOWN	SRM OFFICE	4802	62	WALL PHONE	ENGINEERING SUPPORT	4852
	3A ALTERNATE AUTO RINGDOWN	SRM OFFICE	----	63	WALL PHONE	CONFERENCE/CONTROL LAB	4850
	5 FAX MACHINE (INCOMING)	RECOVERY PLANNING	4867	64	WALL PHONE	CHEM LAB	4851
	6 FAX MACHINE (OUTGOING)	RECOVERY PLANNING	4868	65	ENGINEERING SUPPORT GROUP	ENGINEERING SUPPORT	4271 •
	7 (Deleted)			66	SWITCHBOARD	PBX TELEPHONE ROOM	4299 •
LPC I #3	8 INTERNAL TO JNC	BRIEFING AREA	4266	67	SECURITY/MANPOWER	LOBBY	4876 •
	9 NRC FAX MACHINE	NRC	4268 •	68	SECURITY/MANPOWER	LOBBY	4877
	10 (Deleted)			69	NRC REACTOR SAFETY		
LPC I #2	10A (Deleted)				COUNTERPART LINK	RECOVERY PLANNING (FTS)	700-661-4330
	11 PURCHASING COORD	ROOM 122	4872	70	NRC ENS PHONE	RECOVERY PLANNING (FTS)	700-661-4329
	12 (Deleted)			71	NRC HPN PHONE	RAD ASSESSMENT (FTS)	700-661-4328
	13 CONFERENCE ROOM	CONFERENCE ROOM	4873	72	NRC PROTECTIVE MEASURES		
	14 SAMPLE ANALYSIS	CHEM LAB	4871		COUNTERPART LINK	RAD ASSESSMENT (FTS)	700-661-4327
	15 SAMPLE ANALYSIS	CHEM LAB	4870	73	NRC MANAGEMENT COUNTERPART LINK	NRC (FTS)	700-661-4326
	16 NRC	NRC	4269 •	74	NRC LOCAL ACCESS NETWORK	NRC (FTS)	700-661-4325
	17 NRC	NRC	2190 •	75	VY-USE NRC ENS PHONE	SRM OFFICE (FTS)	700-661-4329
	18 NRC	NRC	4270 •	76	VY-USE NRC HPN PHONE	RAD ASSESSMENT (FTS)	700-661-4328
	19 EOF COORDINATOR	RECOVERY PLANNING	4864	77	UHF RADIO SYSTEM	OSMT AREA	----
	20 EOF COORDINATOR	RECOVERY PLANNING	4863	78	MA PHONE	STATE ASSEMBLY	4291 •
LPC I #2	21 RAD ASSESSMENT	RAD ASSESSMENT	4862	79	SPARE	ROOM 122	4292
	21D MODEM	RAD ASSESSMENT	4678	80	(Deleted)		
	22 RAD ASSESSMENT	RAD ASSESSMENT	4861	81	EXT. PHONE	STATE ASSEMBLY	4831
	23	BRIEFING AREA	4865	82	EXT. PHONE	STATE ASSEMBLY	4832
LPC I #3	23D DATA	BRIEFING AREA	4866	83	EXT. PHONE	STATE ASSEMBLY	4833
	24	BRIEFING AREA	4866	84	MA PHONE	STATE ASSEMBLY	4834
	24D (Deleted)			85	(Deleted)		
	25 VT NUCLEAR ENGINEER	ROOM 122	4267 •	86	EXT. PHONE	STATE ASSEMBLY	4293
	26D (Deleted)			87	(Deleted)		
	27 SPARE	ROOM 121	4869	88	(Deleted)		
	28D RAD ASSESSMENT - DECNET	OSMT AREA	DATA	89	EXT PHONE	NRC	4260
	29 RAD ASSESSMENT - NRC	OSMT AREA	4253 •	90	EXT PHONE	NRC	4261
	30 COMMUNICATIONS	OSMT AREA	4860	91D	DATA	ENGINEERING SUPPORT	DATA
	33 MEDIA ADVISOR	RECOVERY PLANNING	4272 •	92D	DATA	NRC	DATA
LPC I #2	38 SECURITY/MANPOWER	LOBBY	4875	93D	DATA	STATE ASSEMBLY	DATA
	39 NRC/RAD ASSESSMENT	NRC/RAD ASSESSMENT	2190 •	94D	DATA PURCHASING	ROOM 122	DATA
	40 SITE RECOVERY MANAGER	RECOVERY PLANNING	4874	95D	DATA	ROOM 122	DATA
	40D LM8 TO DATA SWITCH	RECOVERY PLANNING	DATA	96D	ERFIS	ROOM 122	DATA
	41 RECOVERY PLANNING	RECOVERY PLANNING	4254 •	97D	DATA	ROOM 121	DATA
	41D RECOVERY PLANNING DATA	RECOVERY PLANNING	DATA	98D	ERFIS	RECOVERY PLANNING	DATA
LPC I #3	42D LAB 127	CONTROL LAB	DATA	99D	ERFIS	RAD ASSESSMENT	DATA
	43D DATA	RECOVERY PLANNING	DATA	100D	DATA	ROOM 122	DATA
	44D (Deleted)			101D	DATA	RECOVERY PLANNING	DATA
	45 (Deleted)			102	SWITCHBOARD	LOBBY	
	46 MA PHONE	STATE ASSEMBLY	4281 •				
	47 MA PHONE	STATE ASSEMBLY	4277 •				
	48 MA FAX MACHINE	STATE ASSEMBLY	4278 •				
	49 NH PHONE	STATE ASSEMBLY	4275 •				
	50 NH FAX MACHINE	STATE ASSEMBLY	4276 •				
	51 NH PHONE	STATE ASSEMBLY	4280 •				
	52 VT PHONE	STATE ASSEMBLY	4279 •				
	53 VT PHONE	STATE ASSEMBLY	4273 •				
	54 VT FAX MACHINE	STATE ASSEMBLY	4274 •				
	55 NH PHONE	STATE ASSEMBLY	2191				
LPC I #2	56 WALL PHONE	STATE ASSEMBLY	4858				
	57 WALL PHONE	NRC	4857				
	58 WALL PHONE	ROOM 122	4856				
	59 WALL PHONE	ROOM 121	4855				

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APPENDIX B

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

	TELEPHONE NUMBER
American Nuclear Insurers (ANI)	860-561-3433
AT&T (NOAA radio phone lines to Ames Hill)	800-413-5410 (prompt 4)
Brattleboro Memorial Hospital Emergency Room (Ref. OP 3508)	802-257-8222
CAN - Operations Manager (Ref. OP 3531) to verify operator and callback #'s	800-992-2331 800-552-4226 or 877-786-8478 800-739-9023(in-dial) 800-794-5826in-dial 518-862-0987 (Admin.)
Central Vermont Communications (Ref. OP 3531)	800-696-6474 802-775-8400 (pager)
Consultation:	
Dave E. Drum, MD, Radiation Safety Officer (Ref. OP 3508)	617-732-5656 Page 11161 781-235-7640 (home) 617-323-7700 5939 Voice Mail
Department of Energy (DOE) Radiological Assistance, Brookhaven Lab	631-344-2200
LPC 3 Framatome ANP, Marlborough, MA (Main Switchboard) (Ref. OP 3504, OP 3510, OP 3531)	508-229-2100
Framatome ANP Pagers (Ref. OP 3531)	800-366-2337
Franklin Medical Center (Ref. OP 3508)	413-772-0211
GE Emergency Support Assistance	408-971-1038
INPO	
Main Switchboard	770-644-8000
Emergency Network Telephone	800-321-0614
ISO - New England (Ref. OP 3504, OP 3506)	413-535-4384
Keene Dispatch (Ref. OP 3506)	603-352-1100 (Primary) 603-352-1291 (Backup)
Maine Yankee - Wiscasset (Ref. OP 3504)	207-882-6321

APPENDIX B (Continued)

Massachusetts Emergency Management Agency - (State EOC) (Ref. OP 3504, OP 3506, OP 3540, OP 3546)	508-820-2075 (Direct Line) 508-820-2000 (Switchboard) 508-875-2517 (Fax) 508-820-2030 (Fax)
Massachusetts State Police - Troop B, Northampton (Ref. OP 3504, OP 3540, OP 3542, OP 3546)	413-584-3000 413-587-5675 (Fax) 413-587-5740 (Fax)
National Weather Service, Albany, NY (Ref. OP 3504, OP 3513, OP 3540)	518-435-9574 (Primary) 800-833-9880 (Backup)
National Grid - Westboro (Ref. OP 3504) MUX Room (Ref. OP 3506)	508-389-2000 508-389-2104
New Hampshire Office of Emergency Management - (State EOC) (Ref. OP 3504, OP 3506, OP 3540, OP 3546)	603-223-3662 (Direct Line) 603-271-2231 (Switchboard) 603-225-7341 (Fax)
New Hampshire State Police (Ref. OP 3504, OP 3540, OP 3542, OP 3546)	603-271-3636 603-271-1153 (Fax)
North Atlantic Energy Services Company - Seabrook (Ref. OP 3504)	603-474-9521
New York State Emergency Management Coordination Ctr. (Ref. OP 3506)	518-457-2200 or 518-457-2201 518-457-6811 (Backup)
NRC Operations Center (24 hours), Rockville, MD (Ref. OP 3504, OP 3506, OP 3540)	301-816-5100 301-951-0550 (Backup) 301-415-0550 (Backup) 301-816-5151 (Fax)
NRC, Region I	800-432-1156 or 610-337-5000
Public Service of New Hampshire - Manchester (Ref. OP 3504)	603-669-4000

APPENDIX B (Continued)

Radiation Overexposure Treatment Assistance  
(Ref. OP 3508)

Aaron B. Brill, MD U Mass Medical Center or Vanerbilt (NIAT Physician)	615-662-6735 (home) 615-343-7152 (work) 615-322-3190 (work)
LPC 3 Mr. Robert Walker (MDPH)	617-727-6214 (work) 603-228-8131 (home)
Mr. Robert Gallagher	617-727-6214 (work) 781-899-7628 (home, M-F) 413-339-4870 (home, Sat. & Sun.)
Mr. Thomas Matthews (MDPH)	617-727-6214 (work) 781-396-0755 (home)
Rescue Inc. (Ref. OP 3508)	802-254-2010 or 911
Shelburne Dispatch (Ref. OP 3506)	413-625-8200
Southwest Mutual Fire Aid	603-352-1100 or 603-352-1291
Tri-State Mutual Fire Aid	413-625-8200
National Weather Service (Burlington, VT) Forecasts	802-862-9883
VELCO Dispatcher (Rutland Office notification)	802-773-9161 (Switchboard) 802-770-6261 (Dispatch)
Vermont Department of Health	802-865-7730
Vermont Emergency Management Agency - (State EOC) (Ref. OP 3504, OP 3506, OP 3540, OP 3546)	802-241-5476 (Direct Line) 802-244-8721 (Switchboard) 800-347-0488 802-241-5556 (Fax)
Vermont State Police (Ref. OP 3504, OP 3540, OP 3542, OP 3546)	Primary - Waterbury 802-244-8727 802-244-7814 (Backup) 802-241-5552 (Fax) Alternate - Rockingham 802-257-7101 or 802-875-2112 802-875-2176 (Fax)
VY Physician (Ref. OP 3508) George Idelkope, MD	603-336-5948 (Work) 603-363-8136 (Home)
Vernon Hydro (Wilder Station) (Ref. OP 3547)	802-291-8000
Yankee Rowe (Ref. OP 3504)	413-424-5261

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 3504, Rev 35, LPC #3, Emergency Communications

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 10 CFR 50.47(b):
- |   |            |           |
|---|------------|-----------|
| (1) Assignment of Emergency Response Organization responsibilities                                | YES        | <u>NO</u> |
| (2) Assignment of on-shift Emergency Response Organization personnel                              | YES        | <u>NO</u> |
| (3) Arrangements for Emergency Response Support and Resources                                     | YES        | <u>NO</u> |
| (4) Emergency Classification and Action levels, including facility system and effluent parameters | YES        | <u>NO</u> |
| (5) Notification Methods and Procedures   | YES        | <u>NO</u> |
| (6) Emergency Communications among principal response organizations and the public                | YES        | <u>NO</u> |
| (7) Public Education and Information  | YES        | <u>NO</u> |
| (8) Adequacy of Emergency Facilities and Equipment  | <u>YES</u> | NO        |
| (9) Adequacy of Accident Assessment methods, systems and equipment                                | YES        | <u>NO</u> |
| (10) Plume exposure pathway EPZ protective actions  | YES        | <u>NO</u> |
| (11) Emergency Worker Radiological Exposure Control   | YES        | <u>NO</u> |
| (12) Medical Services for contaminated injured individuals  | YES        | <u>NO</u> |
| (13) Recovery and Reentry Plans   | YES        | <u>NO</u> |
| (14) Emergency response periodic drills and exercises   | YES        | <u>NO</u> |
| (15) Radiological Emergency Response Training   | YES        | <u>NO</u> |
| (16) Plan development, review and distribution  | YES        | <u>NO</u> |

10 CFR 50.54(q) Evaluation Checklist (Continued)

2. Could the change affect our ability to meet the following requirements of Appendix E to 10 CFR 50.

- |   |            |           |
|---|------------|-----------|
| (1) Section IV. A - Organization                          | YES        | <u>NO</u> |
| (2) Section IV. B - Assessment Actions                    | YES        | <u>NO</u> |
| (3) Section IV. C - Activation of Emergency Organizations | YES        | <u>NO</u> |
| (4) Section IV. D - Notification Procedures               | YES        | <u>NO</u> |
| (5) Section IV. E - Emergency Facilities and Equipment    | <u>YES</u> | NO        |
| (6) Section IV. F - Training                              | YES        | <u>NO</u> |
| (7) Section IV. G - Maintaining Emergency Preparedness    | YES        | <u>NO</u> |
| (8) Section IV. H - Recovery                              | YES        | <u>NO</u> |

B. Effectiveness Determination

For each applicable (i.e., a "yes" answer specified) standard to 10 CFR 50.47(b) and Appendix E to 10 CFR 50 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 10 CFR 50.47(b)(8), Appendix E, Section IV. E of Section A above, this change DOES NOT decrease the effectiveness of the Emergency Plan and DOES continue to meet the stated applicable standard or requirement.

BASIS FOR ANSWER:

Changes are minor and are a follow-up enhancement to the original EOF floor plan change. Changes to Appendix B are phone number changes and are editorial. None of the changes decreases the effectiveness of the Emergency 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 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50. 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 10 CFR 50.54(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: \_\_\_\_\_

Additional Comments:

*Editorial layout + phone number changes only*

Prepared By: Audra Williams *Audra Williams* Date: 2/12/03  
(Print/Sign)

Reviewed By: Lori A. Tkaczuk *Lori A. Tkaczuk* Date: 2/17/03  
(Emergency Plan Coordinator) (Print/Sign)

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3510

REVISION 27

OFF-SITE AND SITE BOUNDARY MONITORING

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages

Implementation Statement: N/A

Issue Date: 02/25/2003

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## PURPOSE

To establish a procedure for surveying and reporting off-site and site boundary radiological conditions to the Emergency Operations Facility (EOF) Coordinator.

## DISCUSSION

The prime objective of the Off-Site and Site Boundary Monitoring Teams is to rapidly survey areas downwind of the plant site in order to determine the extent and magnitude of any release of radioactive material following an incident. Decisions regarding the extent and types of protective actions required by the public will be based upon initial data reported by the survey teams.

The task of each monitoring team is to collect radiological data and air samples, and transmit the results to the EOF. Prior to the EOF becoming operational, the OSC will assign personnel to the monitoring teams. Off-Site Teams (Green, Blue, Black) and Site Boundary Teams will consist of two team members. When radio communication is established with the TSC, the TSC will assume responsibility for and direct the monitoring teams as needed. When the EOF becomes operational, the Radiological Coordinator will assume responsibility and lead the overall direction of the teams. Unless directed otherwise by the Radiological Coordinator, the basic duties and responsibilities of the monitoring teams are as follows:

### Site Boundary Team

Obtains a dose rate reading and an air sample, at the site boundary downwind location where maximum radiation levels are detected. The data obtained are radioed to the appropriate facility in charge of Radiological Coordination.

### Off-Site (Green)

Proceeds off-site to inner predetermined sample location in downwind sector (i.e., green dot in appropriate downwind sector on area map) obtaining radiation level readings enroute and an air sample when on station. The data obtained are radioed to the appropriate facility in charge of Radiological Coordination.

### Off-Site (Blue)

Proceeds off-site to the vicinity of the outer predetermined sample location in downwind section (i.e., blue dot in appropriate downwind sector of area map) and transverses the plume to determine maximum radiation levels, or the plume centerline. An air sample is taken at that location and data obtained are radioed to the appropriate facility in charge of Radiological Coordination.

### Off-Site (Black)

This additional off-site team may be deployed and directed at the discretion of the TSC or EOF with duties similar to the Green and Blue teams.

The overriding consideration in the initial survey is speed combined with reasonable accuracy. Information is required with as little delay as possible; therefore, the survey consists of simple methods to approximate the magnitude of the accident. Once the initial urgency of the situation is satisfied, subsequent surveys and/or analysis may be made to obtain more accurate detailed information and a more precise evaluation. Additionally, samples will be collected and returned to the EOF for further analysis as the emergency and recovery phases continue.

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.  | Appendix A    | Site Boundary Team                                   |
| 2.  | Appendix B    | Off-Site Green Team                                  |
| 3.  | Appendix C    | Off-Site Blue Team                                   |
| 4.  | Appendix D    | Off-Site Black Team                                  |
| 5.  | Table 1       | 10 Cubic Feet Air Sample I-131 Cartridge Results     |
| 6.  | Table 2       | Team Equipment Locations                             |
| 7.  | Figure 1      | Filter/Cartridge Collection Envelope - Example Label |
| 8.  | Figure 2      | Site Boundary Map                                    |
| 9.  | VYOPF 3510.01 | Exposure Log   |
| 10. | VYOPF 3510.02 | Site Boundary Team Log Sheet                         |
| 11. | VYOPF 3510.03 | Green Team Log Sheet                                 |
| 12. | VYOPF 3510.04 | Blue Team Log Sheet                                  |
| 13. | VYOPF 3510.05 | Black Team Log Sheet                                 |
| 14. | VYOPF 3510.06 | Sampling Log Sheet                                   |

## REFERENCES AND COMMITMENTS

1. Technical Specifications and Site Documents
  - a. None
2. Codes, Standards, and Regulations
  - a. None
3. Commitments
  - a. EPEX-9905C2\_00
  - b. EPEX8803CPE1
4. Supplemental References
  - a. AP 0505, Respiratory Protection
  - b. DP 0530, Report #51
  - c. OP 3525, Radiological Coordination
  - d. AP 6807, Collection, Temporary Storage and Retrieval of QA Records

## PRECAUTIONS/LIMITATIONS

1. Use care not to contaminate monitoring equipment.
2. During foul weather, use care not to damage filters by exposing them to the elements (e.g., sample under hood or inside car).
3. The individual driving the vehicle shall not perform radio communications or take radiological readings while he is driving the vehicle.
4. Boundary and off-site teams should attempt to minimize their radiation exposure while performing their duties.
5. The monitoring teams should inventory their kits in an area other than the OSC hallway.
6. Radios will be issued from Gatehouse 2. The Site Boundary team should obtain portable radios while off-site teams should obtain bag radios.

### NOTES

- Site Boundary and Off-Site Teams are comprised of qualified individuals from the Emergency Assistance Personnel List (EAPL) OSC Team Listing designated by the OSC.
- The deployment of Site Boundary and Off-Site Teams will be deployed at the discretion of the Plant Emergency Director (PED) or Technical Support Center (TSC), if operational. Once the EOF becomes operational, the Radiological Coordinator will assume the responsibility and direction of these teams.
- The base radio units will be designated and referred to as:
  1. TSC
  2. EOF
  3. Control Room

### PREREQUISITES

1. If any equipment malfunctions or is missing, notify the facility in charge of Radiological Coordination.
2. Qualified Radiation Protection personnel will ensure Site Boundary and Off-Site team members have current respirator qualifications (per AP 0505) prior to teams leaving Gate 2.
3. Off-Site teams will perform respirator fit checks prior to leaving Gate 2.

### PROCEDURE

1. Select the appropriate appendix:
  - a. Appendix A, Site Boundary Team
  - b. Appendix B, Off-Site Green Team
  - c. Appendix C, Off-Site Blue Team
  - d. Appendix D, Off-Site Black Team
2. Complete the appropriate appendix and record information as required.

## FINAL CONDITIONS

1. Return radios to proper location.
2. Return all Emergency Kits and equipment to the Operations Support Center.
3. Submit completed copy of this procedure to the Radiological Assistant at the EOF.
4. Turn in all dosimeters to the Radiological Assistant at the EOF.
5. The Emergency Plan Coordinator will ensure records are filed in accordance with AP 6807.

APPENDIX A  
SITE BOUNDARY TEAM

Team Members:

\_\_\_\_\_

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

\_\_\_\_\_

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

**NOTE**

Use Table 2 for equipment locations.

Initial

1. Obtain Site Boundary Monitoring Kit, battery-powered air sampler, Eberline RM-14, and dose rate meter (PIC-6).
2. Perform the following checks:

**NOTE**

Steps a, b, c, and d can be performed in parallel.

- a. Air Sampler

**NOTE**

During a drill, silver zeolite will be simulated with charcoal cartridges.

- 1) Ensure that a new filter paper and silver zeolite cartridge are properly installed in their respective holders. \_\_\_\_\_
- 2) Perform operability check. \_\_\_\_\_

APPENDIX A (Continued)

**NOTE**

The purpose of the operability check of the battery-powered air sampler is to verify that it is functional prior to leaving the plant.

- a) Remove a battery from the charger (located in the E-Kit storage area in the OSC) or use a vehicle battery prior to leaving the plant.
    - (1) IF the air sampler has a plug-in type electrical connection, THEN plug it into the battery.
    - (2) IF the air sampler has a jumper cable type electrical connection, THEN attach the positive jumper cable to the positive terminal on the battery and the negative jumper cable to the negative terminal on the battery.
  - b) Place the switch in the ON position.
  - c) Verify that the air sampler is drawing air across the filter paper.  
(EPEX-99OSC2\_00)
- 3) Record the serial #: \_\_\_\_\_
- 4) Check calibration date: \_\_\_\_\_

APPENDIX A (Continued)

b. Eberline RM-14

- 1) Turn range switch to BATTERY CHECK position and ensure meter reads in the BATT OK range. \_\_\_\_\_
- 2) Ensure that the response switch is in SLOW position and that the test switch in back (if present) is in the DOWN position. \_\_\_\_\_
- 3) Verify an upscale meter response on all 3 scales by use of the check source in the Emergency Kit. \_\_\_\_\_
- 4) Record serial #: \_\_\_\_\_
- 5) Check calibration date: \_\_\_\_\_

c. Dose Rate Meter (PIC-6)

- 1) Turn range switch to BATTERY CHECK position and verify that the battery condition is within the BATT OK range. \_\_\_\_\_
- 2) Verify an upscale meter response on the mR/hr scale by use of the check source in the Emergency Kit. \_\_\_\_\_
- 3) Record serial #: \_\_\_\_\_
- 4) Check calibration date: \_\_\_\_\_

APPENDIX A (Continued)

- d. Re-zero high range dosimeter if necessary and log initial reading of each on VYOPF 3510.01, Exposure Log.
- 1) Team members should read their dosimeter at least once every thirty minutes, unless otherwise directed, and log readings on VYOPF 3510.01.

**NOTE**

Inform the appropriate facility by radio in the event a high range dosimeter exceeds 1 R while performing this procedure.

- 2) If a high range dosimeter exceeds 1 R, then team members will read their high range dosimeter at least once every fifteen minutes, unless otherwise directed, and log readings on VYOPF 3510.01.
3. Ensure potassium iodine (KI) is in Off-Site Kit.
4. Obtain respirators from OSC. The RP Tech will provide guidance on usage of respirators per OP 3525.
5. Obtain one portable radio from Gate 2.
  - a. Check operability of radio as follows:
    - 1) Place frequency selector switch to position 3.

**NOTE**

In the event of failure of Freq. 3 in the field, switch to Freq. 1.

- 2) In a normal voice and with microphone approximately 8-10 inches in front of mouth, push microphone button and call the facility currently in charge of deployment "(Control Room, TSC or EOF) this is the Site Boundary Team requesting a radio check. How do you read?" Release microphone button. (The facility base radio should respond to your call).

APPENDIX A (Continued)

- b. Radio operable and contact made with Control Room, TSC or EOF. \_\_\_\_\_
6. Contact the appropriate facility and say: "(Control Room, TSC or EOF) this is the Site Boundary Team. We are in the ready condition, what is the wind direction and type of release? Over."
- a. Record Wind Direction: \_\_\_\_\_
- b. Record Type of Release: \_\_\_\_\_
- "Site Boundary Team will be proceeding to the downwind sector unless you have special instructions for us. Over."
7. Proceed to the downwind location at site boundary (OCA fence) per Fig. 2 and commence survey/sample to determine maximum radiation levels as specified in steps 8a through 8c below. Wear respiratory protection during this evolution.
8. Perform the following surveys (steps 8.a through 8.c can be performed in parallel). Record time on VYOPF 3510.02.
- a. Using the PIC-6, perform the following survey: (Use RM-14 if dose rate is less than 1 mR/hr.)

**NOTE**

All teams report the following readings by radio to the appropriate facility.

- 1) Monitor the radiation level at waist height. Record in either counts per minute (cpm), mR/hr or R/hr on VYOPF 3510.02.
- 2) Monitor the radiation level 2 inches above the ground. Record in either counts per minute (cpm), mR/hr or R/hr on VYOPF 3510.02.

APPENDIX A (Continued)

- b. If using the Radeco H-809C air sampler or HV-1BC air sampler:

**NOTE**

A "Standard" air sample is collected at 1 cfm for ten minutes (or a total of 10 cubic feet).

- 1) Connect the leads to the portable battery. Turn the power switch ON. Record start time and start the stopwatch on VYOPF 3510.02.
- 2) Record the flow (in cfm) for the beginning of the 10 minute (or as otherwise directed) sample on the air sample envelope and on VYOPF 3510.02.
- 3) After the sample time has elapsed, note the flow (in cfm) and record on the air sample envelope and on VYOPF 3510.02.
- 4) Turn the power switch to the OFF position. Record time off on VYOPF 3510.02 and stop the stopwatch.
- 5) Record total minutes on VYOPF 3510.02. Disconnect the air sampler from the battery.

APPENDIX A (Continued)

- c. Move to a low background area and use the RM-14 to perform the following:
- 1) Check RM-14 background level. Find an area that is <2000 cpm. Record background on VYOPF 3510.02.
  - 2) Remove silver zeolite cartridge, wrap in parafilm, and place in probe holder on RM-14. Place filter paper in properly labeled envelope (see Fig. 1).
  - 3) Place the probe directly over the silver zeolite and obtain count rate of sample after the needle stabilizes. Record gross count rate on VYOPF 3510.02
  - 4) Correct for background in the following manner:  
  
Gross Count Rate (from Step A.8.c.3)  
minus  
Background (from Step A.8.c.1)  
equals  
  
Record NET cpm on VYOPF 3510.02.

APPENDIX A (Continued)

9. Reporting air sample results:

a. If the air sample was a "Standard" air sample:

- 1) Refer to Table I "NET cpm" column and locate net cpm value of Step 8.c.4 above. Record the corresponding "Air Code" number on VYOPF 3510.02. If not "Standard" air sample "N/A" Air Code on VYOPF 3510.02. \_\_\_\_\_
- 2) Report the "Air Code" number and the sample collection time to the appropriate facility. \_\_\_\_\_

b. If the air sample is not a standard air sample, inform the appropriate facility that this is a "NON-Standard" air sample and report the following readings from VYOPF 3510.02:

- 1) Air Sampler start time (step 8.b.1)
- 2) Start Flow (step 8.b.2)
- 3) End Flow (step 8.b.3)
- 4) Air Sampler stop time (step 8.b.4)
- 5) Air sample NET (step 8.c.4) \_\_\_\_\_

c. Place cartridge and particulate filter in separate envelopes (see Fig. 1) and contact the appropriate facility to determine instructions on how fast they desire the sample, plus the method/time frame for delivery to Radiological Coordinator. \_\_\_\_\_

10. Contact the appropriate facility and request further instructions. \_\_\_\_\_

11. If a new location is assigned, repeat Steps 8 through 10 as required.

APPENDIX B  
OFF-SITE GREEN TEAM

Team Name: \_\_\_\_\_

Team Members: \_\_\_\_\_ Date: \_\_\_\_\_

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

**NOTE**  
Use Table 2 for equipment locations.

Initial

1. Obtain Off-Site Monitoring Kit, air sampler, Eberline RM-14, and dose rate meter (PIC-6). \_\_\_\_\_

2. Perform the following checks:

**NOTE**  
Steps a, b, c and d can be performed in parallel.

a. Air Sampler

**NOTE**  
During a drill, silver zeolite will be simulated with charcoal cartridges.

1) Ensure that a new filter paper and silver zeolite cartridge are properly installed in their respective holders. \_\_\_\_\_

APPENDIX B (Continued)

- 2) Perform operability check.

**NOTE**

The purpose of the operability check of the battery-powered air sampler is to verify that it is functional prior to leaving the plant.

- a) Remove a battery from the charger (located in the E-Kit storage area in the OSC) or use a vehicle battery prior to leaving the plant.
- (1) IF the air sampler has a plug-in type electrical connection, THEN plug it into the battery.
- (2) IF the air sampler has a jumper cable type electrical connection, THEN attach the positive jumper cable to the positive terminal on the battery and the negative jumper cable to the negative terminal on the battery.
- b) Place the switch in the ON position.
- c) Verify that the air sampler is drawing air across the filter paper.  
(EPEX-99OSC2\_00)
- 3) Record the serial #: \_\_\_\_\_
- 4) Check calibration date: \_\_\_\_\_

APPENDIX B (Continued)

b. Eberline RM-14

- 1) Turn range switch to BATTERY CHECK position and ensure meter reads in the BATT OK range. \_\_\_\_\_
- 2) Ensure that the response switch is in SLOW position and that the test switch in back (if present) is in the DOWN position. \_\_\_\_\_
- 3) Verify an upscale meter response on all 3 scales by use of the check source in the Emergency Kit. \_\_\_\_\_
- 4) Record the serial #: \_\_\_\_\_
- 5) Check calibration date: \_\_\_\_\_

c. Dose Rate Meter (PIC-6)

- 1) Turn range switch to BATTERY CHECK position and verify that the battery condition is within the BATT OK range. \_\_\_\_\_
- 2) Verify an upscale meter response on the mR/hr scale by use of the check source in the Emergency Kit. \_\_\_\_\_
- 3) Record the serial #: \_\_\_\_\_
- 4) Check calibration date: \_\_\_\_\_

d. Re-zero high range dosimeters, if necessary, and log initial reading of each on VYOPF 3510.01, Exposure Log.

APPENDIX B (Continued)

- 1) Team members should read their dosimeter at least once every thirty minutes, unless otherwise directed, and log readings on VYOPF 3510.01.

NOTE

Inform the appropriate facility by radio in the event a high range dosimeter exceeds 1 R while performing this procedure.

- 2) If a high range dosimeter exceeds 1 R, then team members will read their high range dosimeter at least once every fifteen minutes, unless otherwise directed, and log readings on VYOPF 3510.01.
3. Ensure potassium iodide (KI) is in Off-Site Kit. \_\_\_\_\_
4. Obtain respirators from OSC. The RP Tech will provide guidance on use of respirators per OP 3525. \_\_\_\_\_
5. Obtain TLDs for off-site use from the OSC Dosimetry Kit at checkpoint. Upon exit of Gate 2, return assigned TLD to rack and keep emergency TLD for off-site assignment. \_\_\_\_\_
6. Obtain a company vehicle from Gate 2. \_\_\_\_\_
7. Obtain a bag radio from Gate 2. Complete radio operability check before leaving site. \_\_\_\_\_
  - a. Check operability of radio as follows:
    - 1) Place frequency selector switch to position 3.

NOTE

In the event of failure of Freq. 3 in the field, switch to Freq. 1.

- 2) In a normal voice and with microphone approximately 8-10 inches in front of mouth, push microphone button and call the facility currently in charge of Radiological Coordination "(TSC or EOF), this is Green Team requesting a radio check. How do you read?" Release microphone button. (The facility base radio should respond to your call.)

APPENDIX B (Continued)

- b. Radio operable and contact made with the TSC or EOF.
8. Contact the appropriate coordination facility and say: (EOF or TSC) this is Green Team. We are in the ready condition, what is the wind direction? Over."
- a. Record Wind Direction on VYOPF 3510.03.
- b. Using area map, determine downwind sector (based on wind direction) and record on VYOPF 3510.03.
- c. Record RM-14 Background Level on VYOPF 3510.03.

Determine downwind sector based on wind direction using area map (see Fig. 2). Inform coordination facility: "Green Team will be proceeding to the downwind sector unless you have special instructions for us. Over."

9. Unless otherwise specified by the EOF or TSC, as applicable:  
Green Team proceeds directly to inner (green) down wind sample location.

**NOTE**

The following step is intended to locate the approximate plume boundary. Do not stop to determine a precise location.

10. While enroute, team passenger holds probe of RM-14 inside car window (shielded from wind) and notes the approximate location at which the background level recorded in 8.c above doubles. Record location on VYOPF 3510.03.
11. While enroute, record additional readings at easily identified landmarks on VYOPF 3510.03. Note location, reading in cpm or mR/hr and instrument type (RM-14 or PIC-6).

APPENDIX B (Continued)

NOTES

- When transmitting actual measurements over radio: simply refer to them as "counts per minute", "mR/hr", or "R/hr".
- While crossing the plume, a rapid dose rate change is not anticipated. Look for a wide maximum plateau and do not spend more than 5 minutes in selecting a sampling location.

12. Contact the appropriate facility and advise radio operator your team is on location and summarize the results of Steps 10 and 11 as recorded on VYOPF 3510.03.

NOTE

While on station, keep the appropriate facility advised of any significant changes in radiation levels, wind direction, rain, etc.

13. Perform the following surveys: (steps 13.a through 13.c can be performed in parallel).
- a. Using the PIC-6, perform the following survey: (Use RM-14 if dose rate is less than 1 mR/hr.)

NOTE

All teams report the following readings by radio to the appropriate facility.

- 1) Monitor the radiation level at waist height. Record in either counts per minute (cpm), mR/hr or R/hr and time on VYOPF 3510.06.
  - 2) Monitor the radiation level 2 inches above the ground. Record in either counts per minute (cpm), mR/hr or R/hr on VYOPF 3510.06.
- b. If using the Radeco H-809C air sampler or HV-1BC air sampler:

APPENDIX B (Continued)

**NOTE**

A "Standard" air sample is collected at 1 cfm for ten minutes (or a total of ten cubic feet).

- 1) Connect the leads to the car battery or portable battery. Turn the power switch ON, record start time on VYOPF 3510.06, and start the stopwatch. \_\_\_\_\_
  - 2) Record the flow (in cfm) for the beginning of the 10 minute (or as otherwise directed) sample on the air sample envelope and on VYOPF 3510.06. \_\_\_\_\_
  - 3) After the sample time has elapsed, note the flow (in cfm), and record on the air sample envelope and on VYOPF 3510.06. \_\_\_\_\_
  - 4) Turn the power switch to the OFF position. Record time OFF on VYOPF 3510.06, and stop the stopwatch. \_\_\_\_\_
  - 5) Record total minutes on VYOPF 3510.06. Disconnect the air sampler from the battery. \_\_\_\_\_
- c. Move to a low background area and use the RM-14 to perform the following:
- 1) Check RM-14 background level. Find an area that is <2000 cpm. Record background on VYOPF 3510.06.
  - 2) Remove silver zeolite cartridge, wrap in parafilm, and place in probe holder on RM-14. Place filter paper in properly labeled envelope (see Fig. 1).
  - 3) Place the probe directly over the silver zeolite and obtain count rate of sample after the needle stabilizes. Record gross count rate on VYOPF 3510.06.

APPENDIX B (Continued)

- 4) Correct for background in the following manner:

Gross Count Rate (from Step 13.c.3)

minus

Background (from Step 13.c.1)

equals

Record NET cpm on VYOPF 3510.06.

**NOTES**

- Telephone - In the event of a radio breakdown, proceed to nearest available phone and call 802-257-7711 or 802-257-5271.
- In the event radio communications cannot be established at sampling locations, seek higher elevations, then attempt to contact appropriate facility or relay message through other teams.

14. Reporting air sample results:

- a. If the air sample is a "Standard" air sample:

- 1) Refer to Table 1 "Net cpm" column and locate Net cpm value of Step 13.c.4 above. Record the corresponding "Air Code" number on VYOPF 3510.06. If not "Standard" air sample, "N/A" air code on VYOPF 3510.06.
- 2) Report the "Air Code" number, the sample collection time, and location to the appropriate facility.

- b. If the air sample is not a standard air sample, inform the appropriate facility that this is a "NON-Standard" air sample and report the following readings from VYOPF 3510.06:

- 1) Air Sample start time (step 13.b.1)
- 2) Start Flow (step 13.b.2)

APPENDIX B (Continued)

- 3) End Flow (step 13.b.3)
  - 4) Air Sampler stop time (step 13.b.4)
  - 5) Air sample Net (step 13.c.4)
- c. Place cartridge and particulate filter in separate envelopes (see Figure 1) and contact the appropriate facility to determine instructions on how fast they desire the sample, plus the method/time frame for delivery to Radiological Coordinator.
- 
15. Survey your equipment and yourselves for contamination using the RM-14.
  16. If contamination is found, notify the appropriate facility.
  17. Contact the appropriate facility and request further instructions.
  18. If a new location is assigned, perform Appendix B, steps 8-14 as required.

APPENDIX C

OFF-SITE BLUE TEAM

Team Name: \_\_\_\_\_

Team Members: \_\_\_\_\_ Date: \_\_\_\_\_

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

**NOTE**

Use Table 2 for equipment locations.

Initial

1. Obtain Off-Site Monitoring Kit, air sampler, Eberline RM-14, and dose rate meter (PIC-6). \_\_\_\_\_

2. Perform the following checks:

**NOTE**

Steps a, b, c and d can be performed in parallel.

a. Air Sampler

**NOTE**

During a drill, silver zeolite will be simulated with charcoal cartridges.

1) Ensure that a new filter paper and silver zeolite cartridge are properly installed in their respective holders. \_\_\_\_\_

APPENDIX C (Continued)

- 2) Perform operability check.

**NOTE**

The purpose of the operability check of the battery-powered air sampler is to verify that it is functional prior to leaving the plant.

- a) Remove a battery from the charger (located in the E-Kit storage area in the OSC) or use a vehicle battery prior to leaving the plant.
- (1) IF the air sampler has a plug-in type electrical connection, THEN plug it into the battery.
- (2) IF the air sampler has a jumper cable type electrical connection, THEN attach the positive jumper cable to the positive terminal on the battery and the negative jumper cable to the negative terminal on the battery.
- b) Place the switch in the ON position.
- c) Verify that the air sampler is drawing air across the filter paper.  
(EPEX-99OSC2\_00)
- 3) Record the serial #: \_\_\_\_\_
- 4) Check calibration date: \_\_\_\_\_

APPENDIX C (Continued)

b. Eberline RM-14

- 1) Turn range switch to BATTERY CHECK position and ensure meter reads in the BATT OK range. \_\_\_\_\_
- 2) Ensure that the response switch is in SLOW position and that the test switch in back (if present) is in the DOWN position. \_\_\_\_\_
- 3) Verify an upscale meter response on all 3 scales by use of the check source in the Emergency Kit. \_\_\_\_\_
- 4) Record the serial #: \_\_\_\_\_
- 5) Check calibration date: \_\_\_\_\_

c. Dose Rate Meter (PIC-6)

- 1) Turn range switch to BATTERY CHECK position and verify that the battery condition is within the BATT OK range. \_\_\_\_\_
- 2) Verify an upscale meter response on the mR/hr scale by use of the check source in the Emergency Kit. \_\_\_\_\_
- 3) Record the serial #: \_\_\_\_\_
- 4) Check calibration date: \_\_\_\_\_

APPENDIX C (Continued)

- d. Re-zero high range dosimeters, if necessary, and log initial reading of each on VYOPF 3510.01, Exposure Log.
  - 1) Team members should read their dosimeter at least once every thirty minutes, unless otherwise directed, and log readings on VYOPF 3510.01.

NOTE

Inform the appropriate facility by radio in the event a high range dosimeter exceeds 1 R while performing this procedure.

- 2) If a high range dosimeter exceeds 1 R, then team members will read their high range dosimeter at least once every fifteen minutes, unless otherwise directed, and log readings on VYOPF 3510.01.
- 3. Ensure potassium iodide (KI) is in Off-Site Kit. \_\_\_\_\_
- 4. Obtain respirators from OSC. The RP Tech will provide guidance on use of respirators per OP 3525. \_\_\_\_\_
- 5. Obtain TLDs for off-site use from the OSC Dosimetry Kit at checkpoint. Upon exit of Gate 2, return assigned TLD to rack and keep emergency TLD for off-site assignment. \_\_\_\_\_
- 6. Obtain a company vehicle from Gate 2. \_\_\_\_\_
- 7. Obtain a bag radio from Gate 2. Complete radio operability check before leaving site. \_\_\_\_\_
  - a. Check operability of radio as follows:
    - 1) Place frequency selector switch to position 3.

APPENDIX C (Continued)

**NOTE**

In the event of failure of Freq. 3 in the field, switch to Freq. 1.

- 2) In a normal voice and with microphone approximately 8-10 inches in front of mouth, push microphone button and call the facility currently in charge of Radiological Coordination "(TSC or EOF), this is Blue Team requesting a radio check. How do you read?" Release microphone button. (The facility base radio should respond to your call.)
  - b. Radio operable and contact made with the TSC or EOF.
8. Contact the appropriate coordination facility and say: (EOF or TSC) this is Blue Team. We are in the ready condition, what is the wind direction? Over."
  - a. Record Wind Direction on VYOPF 3510.04.
  - b. Using area map, determine downwind sector (based on wind direction) and record on VYOPF 3510.04.
  - c. Record RM-14 Background Level on VYOPF 3510.04.

Determine downwind sector based on wind direction using area map (see Fig. 2). Inform coordination facility: "Blue Team will be proceeding to the downwind sector unless you have special instructions for us. Over."

9. Unless otherwise specified by the EOF or TSC, as applicable:  
Blue Team proceeds to vicinity of outer (blue) sample location and attempts to locate the appropriate centerline of plume prior to taking air sample.

APPENDIX C (Continued)

**NOTE**

The following step is intended to locate the approximate plume boundary. Do not stop to determine a precise location.

10. While enroute, team passenger holds probe of RM-14 inside car window (shielded from wind) and notes the approximate location at which the background level recorded in 8.c above doubles. Record location on VYOPF 3510.04.
11. While enroute, record additional readings at easily identified landmarks on VYOPF 3510.04. Note location, reading in cpm or mR/hr and instrument type (RM-14 or PIC-6).

**NOTE**

When transmitting actual measurements over radio: simply refer to them as "counts per minute", "mR/hr", or "R/hr".

12. In the vicinity of the outer (blue) sample location on map, seek out nearest roads crossing the direction of the plume and determine the location of the maximum reading as precisely as possible.

**NOTE**

While crossing the plume, a rapid dose rate change is not anticipated. Look for a wide maximum plateau and do not spend more than 5 minutes in selecting a sampling location.

- a. Record the location, dose rate reading and time on VYOPF 3510.04.
- b. Contact the appropriate facility and advise the radio operator your team is on location and summarize the results of Steps 10, 11, and 12 as recorded on VYOPF 3510.04.

APPENDIX C (Continued)

**NOTE**

While on station, keep the appropriate facility advised of any significant changes in radiation levels, wind direction, rain, etc.

13. Perform the following surveys: (steps 13.a through 13.c can be performed in parallel).
- a. Using the PIC-6, perform the following survey: (Use RM-14 if dose rate is less than 1 mR/hr.)

**NOTE**

All teams report the following readings by radio to the appropriate facility.

- 1) Monitor the radiation level at waist height. Record in either counts per minute (cpm), mR/hr or R/hr and time on VYOPF 3510.06. \_\_\_\_\_
- 2) Monitor the radiation level 2 inches above the ground. Record in either counts per minute (cpm), mR/hr or R/hr on VYOPF 3510.06. \_\_\_\_\_
- b. If using the Radeco H-809C air sampler or HV-1BC air sampler:

**NOTE**

A "Standard" air sample is collected at 1 cfm for ten minutes (or a total of ten cubic feet).

- 1) Connect the leads to the car battery or portable battery. Turn the power switch ON, record start time on VYOPF 3510.06, and start the stopwatch. \_\_\_\_\_
- 2) Record the flow (in cfm) for the beginning of the 10 minute (or as otherwise directed) sample on the air sample envelope and on VYOPF 3510.06. \_\_\_\_\_

APPENDIX C (Continued)

- 3) After the sample time has elapsed, note the flow (in cfm), and record on the air sample envelope and on VYOPF 3510.06. \_\_\_\_\_
  - 4) Turn the power switch to the OFF position. Record time OFF on VYOPF 3510.06, and stop the stopwatch. \_\_\_\_\_
  - 5) Record total minutes on VYOPF 3510.06. Disconnect the air sampler from the battery. \_\_\_\_\_
- c. Move to a low background area and use the RM-14 to perform the following:
- 1) Check RM-14 background level. Find an area that is <2000 cpm. Record background on VYOPF 3510.06.
  - 2) Remove silver zeolite cartridge, wrap in parafilm, and place in probe holder on RM-14. Place filter paper in properly labeled envelope (see Fig. 1). \_\_\_\_\_
  - 3) Place the probe directly over the silver zeolite and obtain count rate of sample after the needle stabilizes. Record gross count rate on VYOPF 3510.06.
  - 4) Correct for background in the following manner:  
  
Gross Count Rate (from Step 13.c.3)  
minus  
Background (from Step 13.c.1)  
equals  
Record NET cpm on VYOPF 3510.06.

APPENDIX C (Continued)

**NOTES**

- Telephone - In the event of a radio breakdown, proceed to nearest available phone and call 802-257-7711 or 802-257-5271.
- In the event radio communications cannot be established at sampling locations, seek higher elevations, then attempt to contact appropriate facility or relay message through other teams.

14. Reporting air sample results:

a. If the air sample is a "Standard" air sample:

- 1) Refer to Table 1 "Net cpm" column and locate Net cpm value of Step 13.c.4 above. Record the corresponding "Air Code" number on VYOPF 3510.06. If not "Standard" air sample, "N/A" air code on VYOPF 3510.06.
- 2) Report the "Air Code" number, the sample collection time, and location to the appropriate facility.

b. If the air sample is not a standard air sample, inform the appropriate facility that this is a "NON-Standard" air sample and report the following readings from VYOPF 3510.06:

- 1) Air Sample start time (step 13.b.1)
- 2) Start Flow (step 13.b.2)
- 3) End Flow (step 13.b.3)
- 4) Air Sampler stop time (step 13.b.4)
- 5) Air sample Net (step 13.c.4)

c. Place cartridge and particulate filter in separate envelopes (see Figure 1) and contact the appropriate facility to determine instructions on how fast they desire the sample, plus the method/time frame for delivery to Radiological Coordinator.

APPENDIX C (Continued)

15. Survey your equipment and yourselves for contamination using the RM-14.
16. If contamination is found, notify the appropriate facility.
17. Contact the appropriate facility and request further instructions.
18. If a new location is assigned, perform Appendix C, steps 8-14 as required.

APPENDIX D

OFF-SITE BLACK TEAM

**NOTE**

IF conditions warrant, THEN activate the "Black" off-site monitoring team.

Team Name: \_\_\_\_\_

Team Members: \_\_\_\_\_ Date: \_\_\_\_\_

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

**NOTE**

Use Table 2 for equipment locations.

Initial

1. Obtain Off-Site Monitoring Kit, air sampler, Eberline RM-14, and dose rate meter (PIC-6). \_\_\_\_\_
2. Perform the following checks:

**NOTE**

Steps a, b, c and d can be performed in parallel.

- a. Air Sampler

**NOTE**

During a drill, silver zeolite will be simulated with charcoal cartridges.

- 1) Ensure that a new filter paper and silver zeolite cartridge are properly installed in their respective holders. \_\_\_\_\_

APPENDIX D (Continued)

- 2) Perform operability check.

**NOTE**

The purpose of the operability check of the battery-powered air sampler is to verify that it is functional prior to leaving the plant.

- a) Remove a battery from the charger (located in the E-Kit storage area in the OSC) or use a vehicle battery prior to leaving the plant.
- (1) IF the air sampler has a plug-in type electrical connection, THEN plug it into the battery.
- (2) IF the air sampler has a jumper cable type electrical connection, THEN attach the positive jumper cable to the positive terminal on the battery and the negative jumper cable to the negative terminal on the battery.
- b) Place the switch in the ON position.
- c) Verify that the air sampler is drawing air across the filter paper.  
(EPEX-99OSC2\_00)
- 3) Record the serial #: \_\_\_\_\_
- 4) Check calibration date: \_\_\_\_\_

APPENDIX D (Continued)

b. Eberline RM-14

1) Turn range switch to BATTERY CHECK position and ensure meter reads in the BATT OK range. \_\_\_\_\_

2) Ensure that the response switch is in SLOW position and that the test switch in back (if present) is in the DOWN position. \_\_\_\_\_

3) Verify an upscale meter response on all 3 scales by use of the check source in the Emergency Kit. \_\_\_\_\_

4) Record the serial #: \_\_\_\_\_

5) Check calibration date: \_\_\_\_\_

c. Dose Rate Meter (PIC-6)

1) Turn range switch to BATTERY CHECK position and verify that the battery condition is within the BATT OK range. \_\_\_\_\_

2) Verify an upscale meter response on the mR/hr scale by use of the check source in the Emergency Kit. \_\_\_\_\_

3) Record the serial #: \_\_\_\_\_

4) Check calibration date: \_\_\_\_\_

APPENDIX D (Continued)

- d. Re-zero high range dosimeters, if necessary, and log initial reading of each on VYOPF 3510.01, Exposure Log.
  - 1) Team members should read their dosimeter at least once every thirty minutes, unless otherwise directed, and log readings on VYOPF 3510.01.

NOTE

Inform the appropriate facility by radio in the event a high range dosimeter exceeds 1 R while performing this procedure.

- 2) If a high range dosimeter exceeds 1 R, then team members will read their high range dosimeter at least once every fifteen minutes, unless otherwise directed, and log readings on VYOPF 3510.01.
- 3. Ensure potassium iodide (KI) is in Off-Site Kit. \_\_\_\_\_
- 4. Obtain respirators from OSC. The RP Tech will provide guidance on use of respirators per OP 3525. \_\_\_\_\_
- 5. Obtain TLDs for off-site use from the OSC Dosimetry Kit at checkpoint. Upon exit of Gate 2, return assigned TLD to rack and keep emergency TLD for off-site assignment. \_\_\_\_\_
- 6. Obtain a company vehicle from Gate 2. \_\_\_\_\_
- 7. Obtain a bag radio from Gate 2. Complete radio operability check before leaving site. \_\_\_\_\_
  - a. Check operability of radio as follows:
    - 1) Place frequency selector switch to position 3.

APPENDIX D (Continued)

**NOTE**

In the event of failure of Freq. 3 in the field, switch to Freq. 1.

- 2) In a normal voice and with microphone approximately 8-10 inches in front of mouth, push microphone button and call the facility currently in charge of Radiological Coordination "(TSC or EOF), this is Black Team requesting a radio check. How do you read?" Release microphone button. (The facility base radio should respond to your call.)
  - b. Radio operable and contact made with the TSC or EOF.
8. Contact the appropriate coordination facility and say: (EOF or TSC) this is Black Team. We are in the ready condition, what is the wind direction? Over."
  - a. Record Wind Direction on VYOPF 3510.05.
  - b. Using area map, determine downwind sector (based on wind direction) and record on VYOPF 3510.05.
  - c. Record RM-14 Background Level on VYOPF 3510.05.

Determine downwind sector based on wind direction using area map (see Fig. 2). Inform coordination facility: "Black Team will be proceeding to the downwind sector unless you have special instructions for us. Over."

APPENDIX D (Continued)

**NOTES**

- Black Team will be directed to a location by the EOF or TSC.
- The following step is intended to locate the approximate plume boundary. Do not stop to determine a precise location.

9. While enroute, team passenger holds probe of RM-14 inside car window (shielded from wind) and notes the approximate location at which the background level recorded in 8.c above doubles. Record location on VYOPF 3510.05.
10. While enroute, record additional readings at easily identified landmarks on VYOPF 3510.05. Note location, reading in cpm or mR/hr and instrument type (RM-14 or PIC-6).

**NOTE**

When transmitting actual measurements over radio: simply refer to them as "counts per minute", "mR/hr", or "R/hr".

11. As directed by EOF or TSC, seek out nearest roads crossing the direction of the plume and determine the location of the maximum reading as precisely as possible.

**NOTE**

While crossing the plume, a rapid dose rate change is not anticipated. Look for a wide maximum plateau and do not spend more than 5 minutes in selecting a sampling location.

12. Record the location, dose rate reading and time on VYOPF 3510.05.
  - a. Contact the appropriate facility and advise the radio operator your team is on location and summarize the results of Steps 9, 10 and 12.

APPENDIX D (Continued)

**NOTE**

While on station, keep the appropriate facility advised of any significant changes in radiation levels, wind direction, rain, etc.

13. Perform the following surveys: (steps 13.a through 13.c can be performed in parallel).
  - a. Using the PIC-6, perform the following survey: (Use RM-14 if dose rate is less than 1 mR/hr.)

**NOTE**

All teams report the following readings by radio to the appropriate facility.

- 1) Monitor the radiation level at waist height. Record in either counts per minute (cpm), mR/hr or R/hr and time on VYOPF 3510.06. \_\_\_\_\_
- 2) Monitor the radiation level 2 inches above the ground. Record in either counts per minute (cpm), mR/hr or R/hr on VYOPF 3510.06. \_\_\_\_\_
- b. If using the Radeco H-809C air sampler or HV-1BC air sampler:

**NOTE**

A "Standard" air sample is collected at 1 cfm for ten minutes (or a total of ten cubic feet).

- 1) Connect the leads to the car battery or portable battery on VYOPF 3510.06. Turn the power switch ON, record start time and start the stopwatch. \_\_\_\_\_
- 2) Record the flow (in cfm) for the beginning of the 10 minute (or as otherwise directed) sample on the air sample envelope and on VYOPF 3510.06. \_\_\_\_\_

APPENDIX D (Continued)

- 3) After the sample time has elapsed, note the flow (in cfm), and record on the air sample envelope and on VYOPF 3510.06. \_\_\_\_\_
  - 4) Turn the power switch to the OFF position. Record time OFF on VYOPF 3510.06, and stop the stopwatch. \_\_\_\_\_
  - 5) Record total minutes on VYOPF 3510.06. Disconnect the air sampler from the battery. \_\_\_\_\_
- c. Move to a low background area and use the RM-14 to perform the following:
- 1) Check RM-14 background level. Find an area that is <2000 cpm. Record background on VYOPF 3510.06. \_\_\_\_\_
  - 2) Remove silver zeolite cartridge, wrap in parafilm, and place in probe holder on RM-14. Place filter paper in properly labeled envelope (see Fig. 1). \_\_\_\_\_
  - 3) Place the probe directly over the silver zeolite and obtain count rate of sample after the needle stabilizes. Record gross count rate on VYOPF 3510.06. \_\_\_\_\_
  - 4) Correct for background in the following manner:  
  
Gross Count Rate (from Step 13.c.3)  
minus  
Background (from Step 13.c.1)  
equals  
Record NET cpm on VYOPF 3510.06. \_\_\_\_\_

APPENDIX D (Continued)

**NOTES**

- Telephone - In the event of a radio breakdown, proceed to nearest available phone and call 802-257-7711 or 802-257-5271.
- In the event radio communications cannot be established at sampling locations, seek higher elevations, then attempt to contact appropriate facility or relay message through other teams.

14. Reporting air sample results:

a. If the air sample is a "Standard" air sample:

- 1) Refer to Table 1 "Net cpm" column and locate Net cpm value of Step 13.c.4 above. Record the corresponding "Air Code" number on VYOPF 3510.06. If not "Standard" air sample, "N/A" air code on VYOPF 3510.06. \_\_\_\_\_
- 2) Report the "Air Code" number, the sample collection time, and location to the appropriate facility. \_\_\_\_\_

b. If the air sample is not a standard air sample, inform the appropriate facility that this is a "NON-Standard" air sample and report the following readings from VYOPF 3510.06:

- 1) Air Sample start time (step 13.b.1)
- 2) Start Flow (step 13.b.2)
- 3) End Flow (step 13.b.3)
- 4) Air Sampler stop time (step 13.b.4)
- 5) Air sample Net (step 13.c.4)

c. Place cartridge and particulate filter in separate envelopes (see Figure 1) and contact the appropriate facility to determine instructions on how fast they desire the sample, plus the method/time frame for delivery to Radiological Coordinator. \_\_\_\_\_

APPENDIX D (Continued)

15. Survey your equipment and yourselves for contamination using the RM-14.
16. If contamination is found, notify the appropriate facility.
17. Contact the appropriate facility and request further instructions.
18. If a new location is assigned, perform Appendix D, steps 8-14 as required.

TABLE 1

## 10 CUBIC FEET AIR SAMPLE I-131 CARTRIDGE RESULTS

<u>"AIR CODE"</u>	<u>NET cpm</u>
0	<40
1	40
3	80
4	100
5	125
6	150
7	175
8	200
9	225
10	250
11	275
12	300
13	325
14	350
15	375
16	400
17	425
18	450
19	500
20	750
21	1000
22	1250
23	1500
24	1750
25	2000
26	2250
27	2500
28	2750
29	3000
30	3250
31	3500
32	3750
33	4000
34	4250
35	4500
36	5000
37	7500
38	10000
39	12500
40	15000
41	17500
42	20000
43	25000
44	30000
45	35000
46	40000
47	50000

TABLE 2

TEAM EQUIPMENT LOCATIONS  
(per OP 3504)

<u>LOCATION</u>	<u>ITEM</u>
E-Kit storage area in the OSC Hallway	Off-Site Monitoring Kits Air Samplers Eberline RM-14s Dose Rate Meters (PIC-6) High Range Dosimeters Potassium Iodine (KI) Respirators
Gate 2	Radios Vehicles
RP Checkpoint (OSC Kit)	TLDs

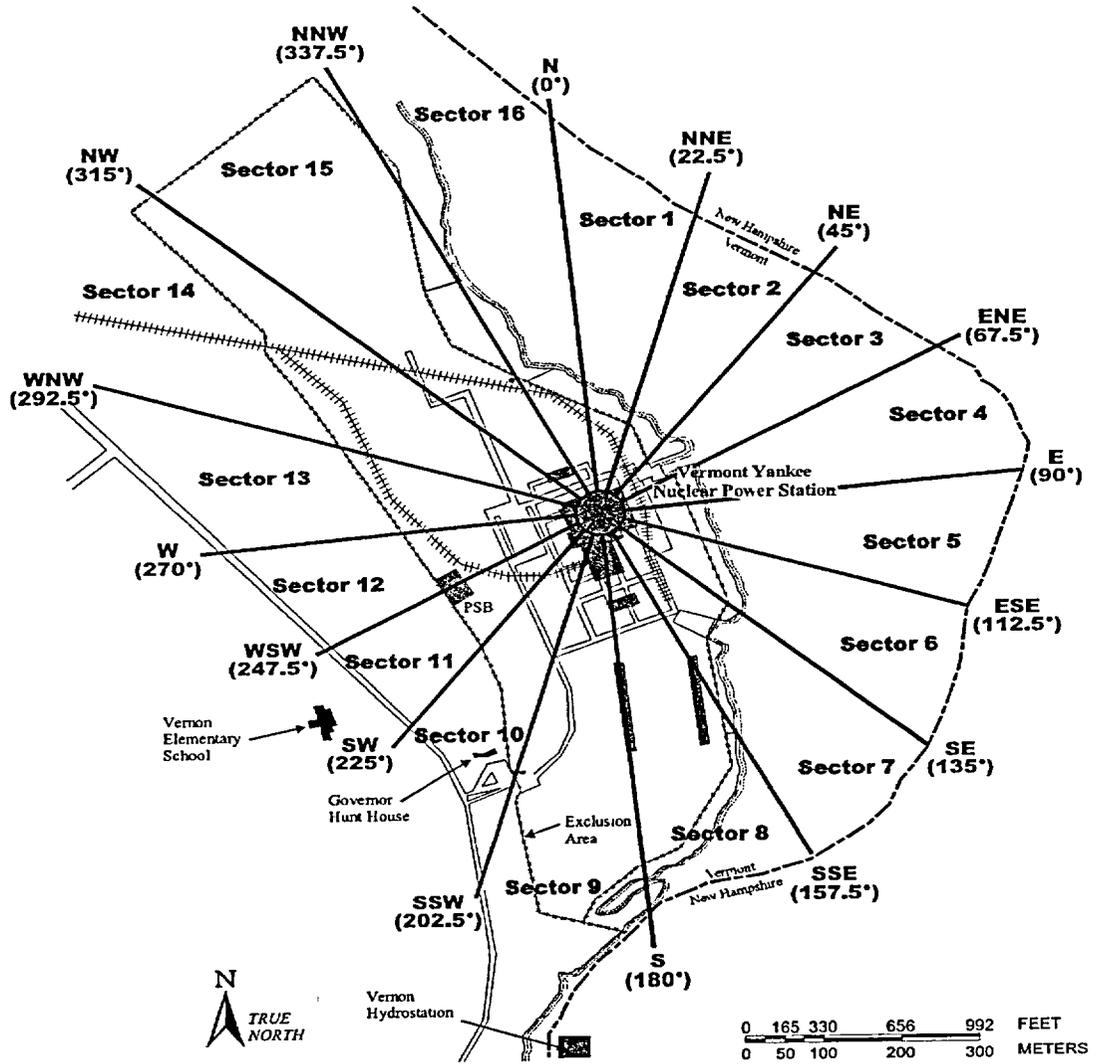
FIGURE 1

FILTER/CARTRIDGE COLLECTION ENVELOPE - EXAMPLE LABEL

FILTER/CARTRIDGE COLLECTION ENVELOPE

	<u>AIR SAMPLER TIMES</u>	<u>AIR SAMPLER FLOW RATES</u>
DATE:		
TEAM:	START: _____	START: _____ CFM
LOCATION:	STOP: _____	STOP: _____ CFM
<u>ENCLOSED (CHECK ONE)</u>	ELAPSED: _____ (MIN)	
<input type="checkbox"/> FILTER	<u>SAMPLE COUNT (CPM)</u>	
<input type="checkbox"/> CARTRIDGE	GROSS: _____ (CPM)	
<u>SIGNATURE:</u>	BACKGROUND: _____ (CPM)	
	NET: _____ (CPM)	

FIGURE 2  
SITE BOUNDARY MAP





## SITE BOUNDARY TEAM LOG SHEET

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

STEP #	STEP DESCRIPTION	(1)	(2)	(3)	(4)	(5)	(6)
	Time						
	Location of Sample						
8.a.1)	Waist Level PIC-6 (mR/hr or R/hr) or RM-14 (cpm)						
8.a.2)	2 inches off ground PIC-6 (mR/hr or R/hr) or RM-14 (cpm)						
8.b.1)	Air Sampler Start Time						
8.b.2)	Start Flow (cfm)						
8.b.3)	End Flow (cfm)						
8.b.4)	Air Sampler Stop Time						
8.b.5)	Total Air Sample Time (8.b.4) - (8.b.1) (minutes)						
8.c.1)	RM-14 Background Level (cpm)						
8.c.3)	Gross Count Rate Silver Zeolite (cpm)						
8.c.4)	Net Background (8.c.3) - (8.c.1) (cpm)						
9.a.1)	Air Code (if applicable) N/A if "non-standard"						
	Time sample reported to Rad Coordinator						

## GREEN TEAM LOG SHEET

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

STEP #	STEP DESCRIPTION	(1)	(2)	(3)	(4)	(5)	(6)
	Time						
8.a.	Wind Direction						
8.b.	Destination						
8.c.	Background at start of travel RM-14 (cpm) or PIC-6 (mR/hr)						
10.	Location where background of Step 8.c. doubles						
11.	Location and reading in transit RM-14 (cpm) or PIC-6 (mR/hr)						
11.	Location and reading in transit RM-14 (cpm) or PIC-6 (mR/hr)						
11.	Location and reading in transit RM-14 (cpm) or PIC-6 (mR/hr)						
11.	Location and reading in transit RM-14 (cpm) or PIC-6 (mR/hr)						
11.	Location and reading in transit RM-14 (cpm) or PIC-6 (mR/hr)						

Use VYOPF 3510.06 to continue with sampling.

## BLUE TEAM LOG SHEET

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

STEP #	STEP DESCRIPTION	(1)	(2)	(3)	(4)	(5)	(6)
	Time						
8.a.	Wind Direction						
8.b.	Destination						
8.c.	Background at start of travel RM-14 (cpm) or PIC-6 (mR/hr)						
10.	Location where background of Step 8.c. doubles						
11.	Location and reading in transit RM-14 (cpm) or PIC-6 (mR/hr)						
11.	Location and reading in transit RM-14 (cpm) or PIC-6 (mR/hr)						
11.	Location and reading in transit RM-14 (cpm) or PIC-6 (mR/hr)						
11.	Location and reading in transit RM-14 (cpm) or PIC-6 (mR/hr)						
12.a.	Location, time and dose rate of Max Plateau RM-14 (cpm) or PIC-6 (mR/hr)						

Use VYOPF 3510.06 to continue with sampling.

## BLACK TEAM LOG SHEET

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

STEP #	STEP DESCRIPTION	(1)	(2)	(3)	(4)	(5)	(6)
	Time						
8.a.	Wind Direction						
8.b.	Destination						
8.c.	Background at start of travel RM-14 (cpm) or PIC-6 (mR/hr)						
9.	Location where background of Step 8.c. doubles						
10.	Location and reading in transit RM-14 (cpm) or PIC-6 (mR/hr)						
10.	Location and reading in transit RM-14 (cpm) or PIC-6 (mR/hr)						
10.	Location and reading in transit RM-14 (cpm) or PIC-6 (mR/hr)						
10.	Location and reading in transit RM-14 (cpm) or PIC-6 (mR/hr)						
12.	Location, time and dose rate of Max Plateau RM-14 (cpm) or PIC-6 (mR/hr)						

Use VYOPF 3510.06 to continue with sampling.

## SAMPLING LOG SHEET

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

STEP #	STEP DESCRIPTION	(1)	(2)	(3)	(4)	(5)	(6)
	Time						
	Location of Sample						
13.a.1)	Time & Waist Level RM-14 (cpm) or PIC-6 (mR/hr or R/hr)						
13.a.2)	Time & 2 inches off ground RM-14 (cpm) or PIC-6 (mR/hr or R/hr)						
13.b.1)	Air Sampler Start Time						
13.b.2)	Start Flow (cfm)						
13.b.3)	End Flow (cfm)						
13.b.4)	Air Sampler Stop Time						
13.b.5)	Total Air Sample Time (13.b.4) - (13.b.1) (minutes)						
13.c.1)	Background RM-14 (cpm)						
13.c.3)	Gross Count of Zeolite Cartridge (cpm)						
13.c.4)	Cartridge Net Count (cpm) (13.c.3) - (13.c.1)						
14.a.1)	Air Code (if applicable) N/A if "non-standard"						
	Time sample reported to Rad Coordinator						

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 3510, Rev. 27, OFF-SITE AND SITE BOUNDARY MONITORING

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 10 CFR 50.47(b):
- |   |            |           |
|---|------------|-----------|
| (1) Assignment of Emergency Response Organization responsibilities                                | <u>YES</u> | <u>NO</u> |
| (2) Assignment of on-shift Emergency Response Organization personnel                              | <u>YES</u> | <u>NO</u> |
| (3) Arrangements for Emergency Response Support and Resources                                     | <u>YES</u> | <u>NO</u> |
| (4) Emergency Classification and Action levels, including facility system and effluent parameters | <u>YES</u> | <u>NO</u> |
| (5) Notification Methods and Procedures   | <u>YES</u> | <u>NO</u> |
| (6) Emergency Communications among principal response organizations and the public                | <u>YES</u> | <u>NO</u> |
| (7) Public Education and Information  | <u>YES</u> | <u>NO</u> |
| (8) Adequacy of Emergency Facilities and Equipment  | <u>YES</u> | <u>NO</u> |
| (9) Adequacy of Accident Assessment methods, systems and equipment                                | <u>YES</u> | <u>NO</u> |
| (10) Plume exposure pathway EPZ protective actions  | <u>YES</u> | <u>NO</u> |
| (11) Emergency Worker Radiological Exposure Control   | <u>YES</u> | <u>NO</u> |
| (12) Medical Services for contaminated injured individuals  | <u>YES</u> | <u>NO</u> |
| (13) Recovery and Reentry Plans   | <u>YES</u> | <u>NO</u> |
| (14) Emergency response periodic drills and exercises   | <u>YES</u> | <u>NO</u> |
| (15) Radiological Emergency Response Training   | <u>YES</u> | <u>NO</u> |
| (16) Plan development, review and distribution  | <u>YES</u> | <u>NO</u> |

10 CFR 50.54 (g) Evaluation Checklist (Continued)

2. Could the change affect our ability to meet the following requirements of Appendix E to 10 CFR 50.

- |   |            |           |
|---|------------|-----------|
| (1) Section IV. A - Organization                          | <u>YES</u> | <u>NO</u> |
| (2) Section IV. B - Assessment Actions                    | YES        | <u>NO</u> |
| (3) Section IV. C - Activation of Emergency Organizations | YES        | <u>NO</u> |
| (4) Section IV. D - Notification Procedures               | YES        | <u>NO</u> |
| (5) Section IV. E - Emergency Facilities and Equipment    | YES        | <u>NO</u> |
| (6) Section IV. F - Training                              | YES        | <u>NO</u> |
| (7) Section IV. G - Maintaining Emergency Preparedness    | YES        | <u>NO</u> |
| (8) Section IV. H - Recovery                              | YES        | <u>NO</u> |

B. Effectiveness Determination

For each applicable (i.e., a "yes" answer specified) standard to 10 CFR 50.47(b) and Appendix E to 10 CFR 50 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 10 CFR 50.47(b)(1) and Appendix E Section IV. A of Section A above, this change DOES NOT decrease the effectiveness of the Emergency Plan and DOES continue to meet the stated applicable standard or requirement.

BASIS FOR ANSWER:

Changes made were based on comments from previous drills and exercises to improve the usefulness of procedure and add formality. The Governor Hunt House monitoring team was eliminated as it was determined that the process for evacuating and monitoring personnel could be improved. Personnel evacuating to the GHH were instructed to wait for further instructions. This placed a burden on the TSC Coordinator to continually monitor conditions and plume direction and when conditions required, release personnel from the GHH. The process of releasing personnel put them at risk for contamination if the plume path included the parking area, access road or GHH. Monitoring will be performed at the EOF.

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 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50. 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 10 CFR 50.54(q).

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

Keywords used in search: GHH, Governor

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

Document(s) affected: Emergency Plan, OP 3540, OP 3544, OP 3505, OP 3506, OP 3524

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: GHH, Governor

Additional Comments:

*Originally, personnel were evacuated to the GHH for monitoring because it was the EOF. When the EOF was moved to its current location, this function was left at the GHH and duplicated at the EOF. This change eliminates the redundancy.*

Prepared By: Audra Williams *Audra Williams* Date: 1/3/03  
(Print/Sign)

Reviewed By: Lori A. Traczyk *Lori A. Traczyk* Date: 1/3/03  
(Emergency Plan Coordinator) (Print/Sign)

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3524

REVISION 19

**EMERGENCY ACTIONS TO ENSURE INITIAL ACCOUNTABILITY  
AND SECURITY RESPONSE**

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages
1	08/14/02	VYOPF 3524.02 Pg 1 of 3
2	01/24/03	3, 7 & 17 of 17; <b>ADDED VYOPF 3524.03 Pg 1 of 1</b>
3	02/24/03	4, & 6-16 of 17; VYOPF 3524.02 Pg 1 of 3; Figure 3 Pg 1 of 1

**Implementation Statement: N/A**

Issue Date: 06/06/02

## REFERENCES AND COMMITMENTS

1. Technical Specifications and Site Documents
  - a. None
2. Codes, Standards, and Regulations
  - a. None
3. Commitments
  - a. None
4. Supplemental References
  - a. OP 3510, Off-Site and Site Boundary Monitoring
  - b. OP 3540, Control Room Actions During an Emergency
  - c. OP 3541, Activation of the Technical Support Center (TSC)
  - d. OP 3542, Operation of the Technical Support Center (TSC)
  - e. OP 3544, Operation of the Operations Support Center (OSC)
  - f. OP 3545, Activation of the Emergency Operations Facility/Recovery Center (EOF/RC)
  - g. OP 3546, Operation of the Emergency Operations Facility/Recovery Center (EOF/RC)
  - h. OP 3547, Security Actions During an Emergency
  - i. AP 6807, Collection, Temporary Storage and Retrieval of QA Records
  - j. OP 3508, On-Site Medical Emergency Procedure

LPC3

## DEFINITIONS

1. Normal Hours: Periods of time when sufficient personnel are on-site to activate the Technical Support Center (TSC) within a short period of time.
2. Off-Normal Hours: Periods of time when personnel needed to activate the TSC will be responding from off-site.

- C. All unassigned individuals (plant personnel, contractors, and visitors) shall:
1. without delay, proceed to Gatehouse 2 and leave the Protected Area (PA) as normal,
  2. Retrieve their vehicle from parking lot and leave site.
- D. Security Shift Supervisor(s) (SSS) shall, as necessary:
1. supplement security shift staffing,
  2. request local law enforcement support.

LPC 3

NOTE

If an emergency classification is entered due to a Security condition, then evacuation and performing accountability may put personnel at risk. Therefore, in these situations evacuation and accountability will be suspended until directed by Security.

II. Initial Personnel Accountability in the Event of an Alert

On notification of an Alert condition by alarm or verbal report, actions shall be taken to ensure personnel (including contractors and visitors) accountability. The accountability process to be used will be determined by activation of the TSC during normal or off-normal hours.

- A. During normal hours:
1. The Access Control Officer (ACO) shall direct security personnel to:
    - a. ensure that all evacuating personnel deposit their identification badges and card keys in the proper collection slots and promptly exit the Gatehouse,
    - b. immediately return all identification badges and card keys to their proper slots in the badge rack,
    - c. obtain an On-Site report from the security computer when personnel have evacuated the Protected Area (PA) and inventory the Visitor's Log,
    - d. initiate VYOPF 3524.01.

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NOTE

The ACO shall contact the TSC to ascertain the status of the VYOPF 3524.02 forms (check-in sheets) if they are not delivered following the evacuation of personnel.

2. The TSC Coordinator shall designate Accountability Coordinators to:
  - a. ensure all personnel reporting to the TSC and OSC check in on VYOPF 3524.02,
  - b. promptly deliver completed VYOPF 3524.02 forms to the ACO at Gatehouse 2,
  - c. activate accountability posts to monitor all personnel entering/exiting the emergency response facilities located in the Administration Building, using VYOPF 3542.01.

NOTE

Access to the Protected Area through Gate 2 may be suspended while accountability is being performed.

3. The ACO shall:
  - a. assign an individual to read off the gatehouse slot number and name, in that order, from the VYOPF 3524.02's and the Visitor's Log, if applicable,
  - b. check off the corresponding gatehouse slot number and name on the On-Site computer report,
  - c. when complete, verify that badges assigned to those personnel not checked-off on the On-Site computer report are not in the identification badge rack or in the deposit slots,

NOTE

Should an individual incorrectly note their slot number or a printed name is illegible, a cross-reference may be obtained using the current Employee Card Key Inventory List maintained at the ACO's desk.

- d. list personnel not checked off on the On-Site computer report as unaccounted for on VYOPF 3524.01,
- e. report the status of the accountability process to the TSC and the name(s) of any unaccounted for personnel, within 30 minutes of the announcement of the emergency classification,

NOTE

If the process is not complete at the time of this report another notification to the TSC is required upon completion.

- f. place colored pegs in the badge rack slots indicating those personnel unaccounted for.
4. When an On-Site computer report is not available, the ACO shall:
- a. ensure that all personnel deposit their identification badges and card keys in the proper collection slots and promptly exit the Gatehouse,
  - b. immediately return all identification badges and card keys to their proper slots in the badge rack,
  - c. initiate VYOPF 3524.01,

NOTE

The ACO shall contact the TSC to ascertain the status of the VYOPF 3524.02's (check-in sheets) if they are not delivered following the evacuation of personnel.

- d. following site evacuation numerically inventory by slot number the empty slots in the identification badge rack and the Visitor's Log, if applicable,

NOTE

During the time after the inventory list is compiled and before the process is complete, individuals who leave site must be deleted from the list in order to avoid appearing unaccounted for.

- e. assign an individual to read off the gatehouse slot number and name from the VYOPF 3524.02's and the Visitor's Log, if applicable,
- f. check-off the corresponding gatehouse slot number on the inventory list compiled in step 4.d.,

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- g. when complete, verify that badges assigned to those personnel not checked off on the inventory list are not in the identification badge rack or in the deposit slots,

NOTE

Should an individual incorrectly note their slot number or a printed name is illegible, a cross-reference may be obtained using the current Employee Card Key Inventory List maintained at the ACO's desk.

- h. list personnel not checked off as unaccounted for on VYOPF 3524.01,
- i. report the status of the accountability process to the TSC, and the name(s) of any unaccounted for personnel, within 30 minutes of the announcement of the emergency classification.

NOTE

If the process is not complete at the time of this report another notification to the TSC is required upon completion.

- 5. The TSC, on notification of unaccounted for personnel, shall designate personnel to:
  - a. page the unaccounted for individual(s) in an attempt to locate them,

NOTE

Whenever possible an Armed Security Officer should be assigned as a member of the search and rescue team.

LPC  
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- b. as necessary, dispatch an on-site search and rescue team to locate the individual(s) in accordance with OP 3508, On-Site Medical Emergency Procedure.
  - c. inform the ACO when the individual is located.
- 6. The ACO shall:
    - a. delete the individual from VYOPF 3524.01 as appropriate,
    - b. remove the colored peg from the individual's badge rack slot.

B. During off-normal hours:

1. the ACO shall direct security personnel to:

- a. ensure that all evacuating personnel deposit their identification badges and card keys in the proper collection slots and promptly exit the Gatehouse,
- b. immediately return all identification badges and card keys to their proper slots in the badge rack,
- c. obtain an On-Site report from the security computer when personnel have evacuated the PA and inventory the Visitor's Log, if applicable,

LPC 3

NOTE

If an On-Site report from the security computer is unavailable, perform accountability in accordance with step A.4.

- d. initiate VYOPF 3524.01,
- e. verify the well-being and accountability of each individual listed on the On-Site report, by contacting the senior supervisor for each department currently on site,

NOTE

If there is someone listed as on-site who cannot be accounted for by a supervisor, they will need to be located individually via Gai-Tronics or other means.

- f. check off the corresponding name and slot number on the On-Site report,
- g. note on the On-Site report the name(s) of the supervisors verifying well-being,
- h. when complete, verify that badges assigned to those personnel not checked off on the On-Site report are not in the identification badge rack or in the deposit slots,
- i. list them as unaccounted for on VYOPF 3524.01,

LPC 3

- j. report the status of the accountability process to the Operations Shift Supervisor (OSS), and the name(s) of any unaccounted for personnel, within 30 minutes of the announcement of the emergency classification,
  - k. place colored pegs in the badge rack slots indicating those personnel unaccounted for.
2. The OSS, on notification of unaccounted for personnel, shall designate personnel to:
- a. page the unaccounted for individual(s) in an attempt to locate them,

**NOTE**

Whenever possible an Armed Security Officer should be assigned as a member of the search and rescue team.

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- b. as necessary, dispatch an on-site search and rescue team to locate the individual(s) in accordance with OP 3508,
  - c. inform the ACO when the individual is located.
3. The ACO shall:
- a. delete the individual from VYOPF 3524.01 as appropriate,
  - b. remove the colored peg from the individual's badge rack slot.

### III. Additional Security Force Functions in the Event of an Alert

On notification of an Alert condition by alarm or verbal report, the following actions shall be taken by the security force:

#### A. Site Access Control

##### 1. The Gatehouse 1 security officer(s) shall:

- a. control access to the plant site to ensure that only those persons and vehicles authorized by the TSC Coordinator, OSC Coordinator or Plant Emergency Director (OSS) are allowed to enter the plant site (the ACO will be the point of contact),
- b. direct any emergency response vehicles to proceed to the Gatehouse 2 parking lot,
- c. direct all other incoming vehicles as normal unless otherwise directed by the TSC Coordinator or Plant Emergency Director,
- d. ensure that the site access road is not obstructed to prevent personnel evacuation or passage of emergency equipment.

##### 2. The Gatehouse 2 Access Control Officer shall:

- a. ensure that all personnel entering the PA have been authorized by the TSC Coordinator,
- b. ensure that all personnel entering the site enter through the Administration Building main west entry (lobby entry).

#### B. Posting of Signs at the Emergency Response Facility

1. The Security Shift Supervisor (SSS) shall dispatch a security officer(s) to post "Accountability Control" signs on doors which form the boundary of the facility.
2. The security officer(s) shall post signs on all doors shown on Figures 1, 2, and 3.

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C. Posting of CO<sub>2</sub> Hazard Signs

1. When directed by the Fire Brigade Commander, the SSS shall dispatch a security officer(s) to post "CO<sub>2</sub> Hazard" signs on the doors indicated in Figures 1 through 4.
2. The security officer(s) shall post the signs on the doors indicated on Figures 1 through 4.

NOTE

If an emergency classification is entered due to a Security condition, then evacuation and performing accountability may put personnel at risk. Therefore, in these situations evacuation and accountability will be suspended until directed by Security.

IV. Personnel Evacuation in the Event of a Site Area Emergency or General Emergency Which Has Not Been Preceded by the Declaration of an Alert

The following actions shall be taken to ensure personnel (including contractors and visitors) site evacuation:

- A. Any personnel exiting a known contamination area shall report to the Radiation Protection Control Point to be monitored and receive further instructions from Radiation Protection personnel.
- B. Plant emergency response personnel shall take actions as previously described in the Alert notification and required by their duty assignment.
- C. All other plant personnel shall evacuate the site as follows:
  1. Without delay, proceed to Gatehouse 2 (PA gatehouse), place dosimetry (to include Dositec, if any) in the appropriate slot in the dosimetry rack, and leave the PA as normal.
  2. Retrieve their vehicle from parking lot and proceed to the Emergency Operations Facility/Recovery Center (EOF/RC).

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D. Contractor employees and visitors shall evacuate the site as follows:

NOTE

If a visitor has been issued dosimetry, he/she will be instructed to clip the badge and dosimetry together and hand it to the security officer stationed at the gatehouse exit turnstiles.

1. Without delay, proceed to Gatehouse 2 (PA gatehouse), place dosimetry (to include Dositec, if any) in the appropriate slot in the dosimetry rack, and leave the PA as normal.
2. Retrieve their vehicle from the parking lot and proceed to the Emergency Operations Facility/Recovery Center (EOF/RC).

NOTE

If an emergency classification is entered due to a Security condition, then evacuation and performing accountability may put personnel at risk. Therefore, in these situations evacuation and accountability will be suspended until directed by Security.

V. Personnel Accountability in the Event of a Site Area Emergency or General Emergency, Not Preceded by the Declaration of an Alert  
(See Section I - Shall be the same as in the Alert notification.)

VI. Additional Security Force Functions in the Event of a Site Area Emergency or General Emergency Not Preceded by the Declaration of an Alert

The following actions shall be taken by the security force.

A. Site Access Control

1. The Gatehouse 1 Security Officer(s) shall:

- a. control access to the plant site to ensure that only those persons and vehicles authorized by the TSC Coordinator, OSC Coordinator or Plant Emergency Director (OSS) are allowed to enter the plant site, (the ACO will be the point of contact),
- b. direct any emergency response vehicles to proceed to the Gatehouse 2 parking lot,
- c. direct all other incoming vehicles as normal unless otherwise directed by the TSC Coordinator or Plant Emergency Director,
- d. ensure that the site access road is not obstructed to prevent personnel evacuation or passage of emergency equipment.

2. The ACO shall:

- a. ensure that all personnel entering the plant Protected Area have been authorized by the TSC Coordinator,
- b. ensure that all personnel entering the site enter through the Administration Building main west entry (lobby entry).

B. Posting of Signs at the Emergency Response Facilities

- 1. The SSS shall dispatch a security officer(s) to post "Accountability Control" signs on doors which form the boundary of the facility.
- 2. The security officer(s) shall post signs in all doors shown on Figures 1, 2, and 3.

LPC3

VII. Other Security Force Functions in the Event of an Emergency (Alert, Site Area or General)

The following additional actions shall be taken by the security force:

- ILPC  
3
- A. Deleted
  - B. Issue of Controlled Keys. The SSS shall:
    - 1. issue keys from the emergency key repository as requested by the Operations Support Center Coordinator. This could include issue of Emergency Key Rings which contain the master keys for Vital Areas, Protected Areas and Radiation Areas,
    - 2. log the issue and return of the keys on the SSS key control log.
  - C. Evacuation Assistance: As requested, security force members shall provide directions to Gatehouse 1 or EOF/RC at Brattleboro.
  - D. Protected Area Access Control: The security force shall adhere to all normal PA access control requirements (search, authorization, etc.) except Plant personnel dispatched by the TSC or OSC to work in the OCA shall retain their dosimetry.
- ILPC3

INITIAL SITE ACCOUNTABILITY CHECK-IN FORM  
FOR TECHNICAL SUPPORT CENTER RESPONSE PERSONNEL

DATE: \_\_\_\_\_

<u>POSITION</u>	<u>GATEHOUSE SLOT NO.</u>	<u>PLEASE PRINT NAME CLEARLY</u>	<u>DEPT.</u>
TECHNICAL SUPPORT CENTER COORDINATOR	_____	_____	_____
SECURITY COORDINATOR	_____	_____	_____
MAINTENANCE COORDINATOR	_____	_____	_____
ENGINEERING COORDINATOR	_____	_____	_____
REACTOR ENGINEERING COORDINATOR	_____	_____	_____
OPERATIONS COORDINATOR	_____	_____	_____
RADIATION PROTECTION COORDINATOR	_____	_____	_____
CHEMISTRY COORDINATOR	_____	_____	_____
<i>LPC 1</i> G.E. ENGINEER (WHEN AVAILABLE)	_____	_____	_____
<i>LPC 2</i> Deleted	_____	_____	_____
<i>LPC 3</i> DECISION MAKER	_____	_____	_____

FIGURE 3

OPERATIONS SUPPORT CENTER LAYOUT

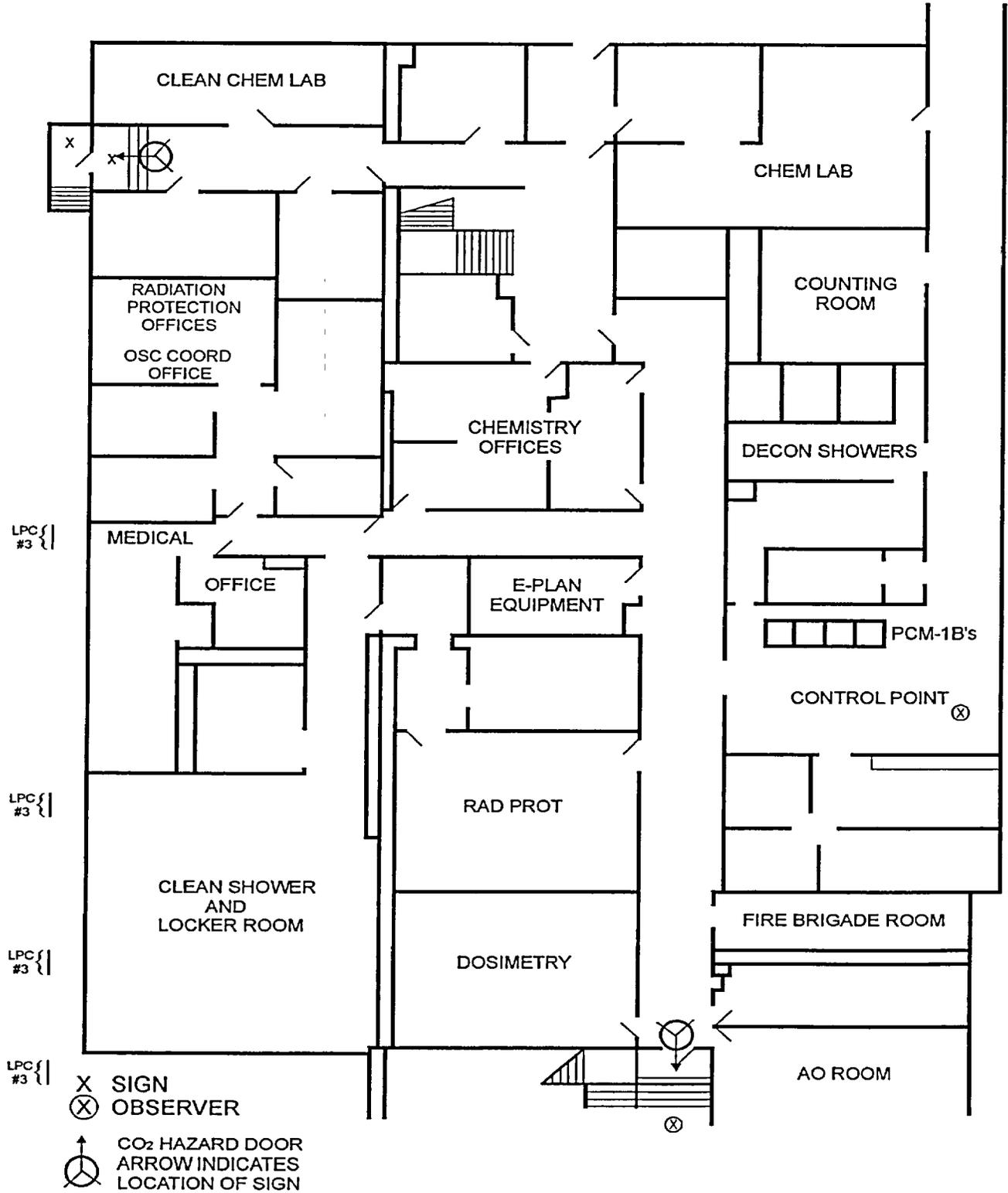


Figure 3  
OP 3524 Rev. 19  
Page 1 of 1  
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10 CFR 50.54(q) Evaluation Checklist

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

OP 3524, Rev. 19, LPC #3, Emergency Actions to Ensure Accountability and Security Response

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 10 CFR 50.47(b):
- (1) Assignment of Emergency Response Organization responsibilities YES NO
  - (2) Assignment of on-shift Emergency Response Organization personnel YES NO
  - (3) Arrangements for Emergency Response Support and Resources YES NO
  - (4) Emergency Classification and Action levels, including facility system and effluent parameters YES NO
  - (5) Notification Methods and Procedures YES NO
  - (6) Emergency Communications among principal response organizations and the public YES NO
  - (7) Public Education and Information YES NO
  - (8) Adequacy of Emergency Facilities and Equipment YES NO
  - (9) Adequacy of Accident Assessment methods, systems and equipment YES NO
  - (10) Plume exposure pathway EPZ protective actions YES NO
  - (11) Emergency Worker Radiological Exposure Control YES NO
  - (12) Medical Services for contaminated injured individuals YES NO
  - (13) Recovery and Reentry Plans YES NO
  - (14) Emergency response periodic drills and exercises YES NO
  - (15) Radiological Emergency Response Training YES NO
  - (16) Plan development, review and distribution YES NO

10 CFR 50.54(q) Evaluation Checklist (Continued)

2. Could the change affect our ability to meet the following requirements of Appendix E to 10 CFR 50.

- |   |            |           |
|---|------------|-----------|
| (1) Section IV. A - Organization                          | <u>YES</u> | <u>NO</u> |
| (2) Section IV. B - Assessment Actions                    | YES        | <u>NO</u> |
| (3) Section IV. C - Activation of Emergency Organizations | YES        | <u>NO</u> |
| (4) Section IV. D - Notification Procedures               | YES        | <u>NO</u> |
| (5) Section IV. E - Emergency Facilities and Equipment    | <u>YES</u> | <u>NO</u> |
| (6) Section IV. F - Training                              | YES        | <u>NO</u> |
| (7) Section IV. G - Maintaining Emergency Preparedness    | YES        | <u>NO</u> |
| (8) Section IV. H - Recovery                              | YES        | <u>NO</u> |

B. Effectiveness Determination

For each applicable (i.e., a "yes" answer specified) standard to 10 CFR 50.47(b) and Appendix E to 10 CFR 50 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 10 CFR 50.47(b) (1), (2), (10) and Appendix E, Section IV. A & E of Section A above, this change DOES NOT decrease the effectiveness of the Emergency Plan and DOES continue to meet the stated applicable standard or requirement.

BASIS FOR ANSWER:

The Governor Hunt House will no longer be used as an assembly area as it was determined that the process for evacuating and monitoring personnel could be improved. All contractors/visitors will now evacuate the site at the Alert. If a SAE or GE was declared (not preceded by an Alert), contractors/visitors will be directed to the EOF/RC for monitoring and decontamination, if necessary. This change also eliminates the issuance of exit passes by Security which required extra security personnel to be stationed at the exit turnstiles.

Doc & Admin Services Coord was eliminated from the sign in sheet as this is not a required position for activation.

Per the NRC Security Interim Compensatory Measures to remove collateral duties from the security force, security will no longer be required to perform site radiological surveys. This function is now covered by other personnel.

None of these changes decrease the effectiveness of the Emergency Plan and all requirements continue to be met.

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 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50. 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 10 CFR 50.54(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 3547, OP 3544, E-Plan, OP 3540, OP 3506, OP 3542

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: \_\_\_\_\_

Additional Comments:

Prepared By: Audra Williams, Audra Williams Date: 2/13/03  
(Print/Sign)

Reviewed By: Lori A. Tkaczyk, Lori A. Tkaczyk Date: 2/17/03  
(Emergency Plan Coordinator) (Print/Sign)

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3541

REVISION 1

ACTIVATION OF THE TECHNICAL SUPPORT CENTER (TSC)

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages
1	08/14/02	5 of 7; Table 2 Pg 1 of 1
2	02/03/03	Figure 1 Pg 1 of 1

**Implementation Statement: N/A**

Issue Date: 06/06/02

LPC 2

FIGURE 1  
TECHNICAL SUPPORT CENTER SAMPLE FOOTPRINT

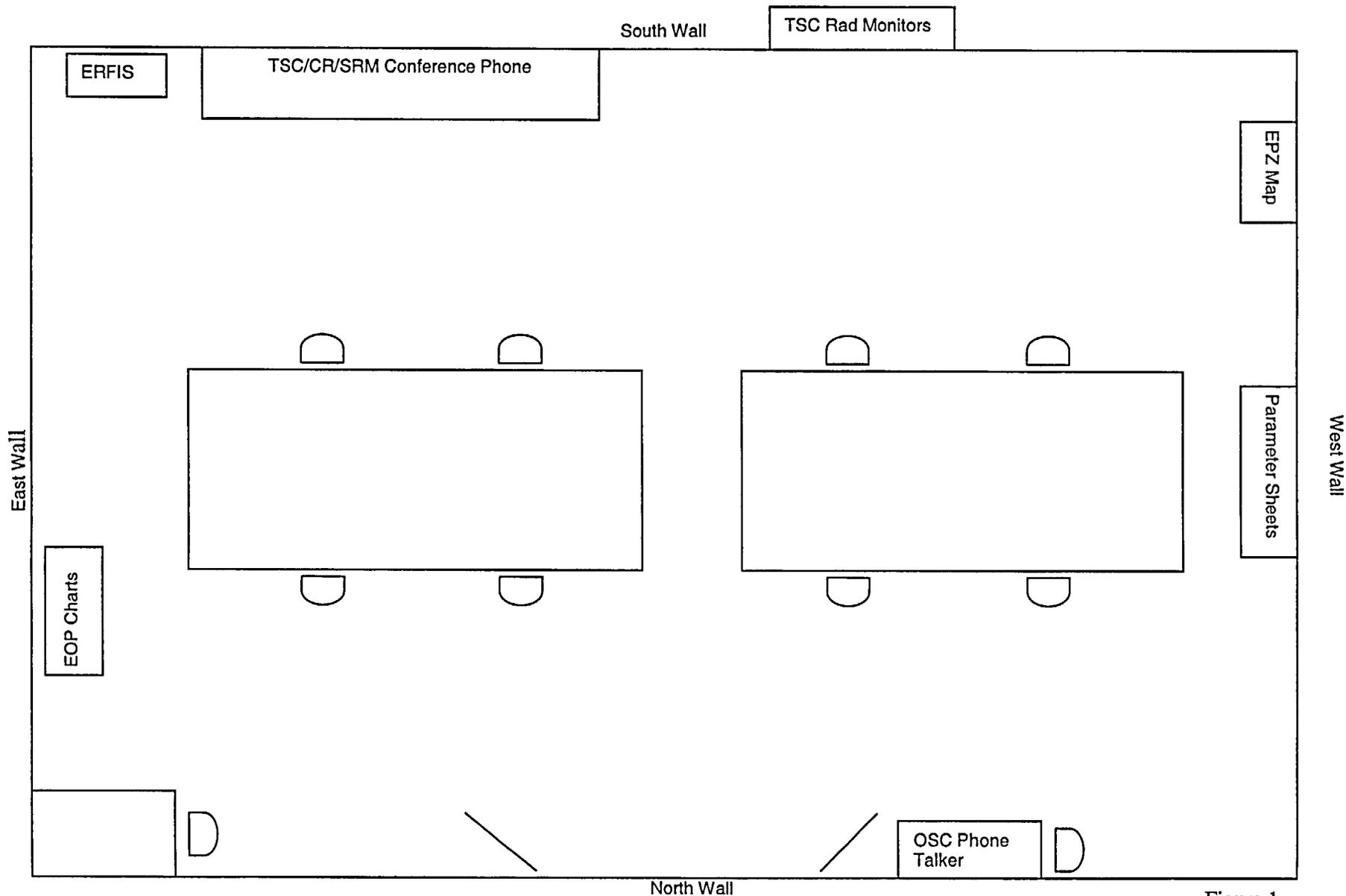


Figure 1  
OP 3541 Rev. 1  
Page 1 of 1  
LPC #2

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. 1, LPC #2, 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.

1. Could the proposed change affect our ability to meet the following standards of 10 CFR 50.47(b):
- |   |            |           |
|---|------------|-----------|
| (1) Assignment of Emergency Response Organization responsibilities                                | YES        | <u>NO</u> |
| (2) Assignment of on-shift Emergency Response Organization personnel                              | YES        | <u>NO</u> |
| (3) Arrangements for Emergency Response Support and Resources                                     | YES        | <u>NO</u> |
| (4) Emergency Classification and Action levels, including facility system and effluent parameters | YES        | <u>NO</u> |
| (5) Notification Methods and Procedures   | YES        | <u>NO</u> |
| (6) Emergency Communications among principal response organizations and the public                | YES        | <u>NO</u> |
| (7) Public Education and Information  | YES        | <u>NO</u> |
| (8) Adequacy of Emergency Facilities and Equipment  | <u>YES</u> | NO        |
| (9) Adequacy of Accident Assessment methods, systems and equipment                                | YES        | <u>NO</u> |
| (10) Plume exposure pathway EPZ protective actions  | YES        | <u>NO</u> |
| (11) Emergency Worker Radiological Exposure Control   | YES        | <u>NO</u> |
| (12) Medical Services for contaminated injured individuals  | YES        | <u>NO</u> |
| (13) Recovery and Reentry Plans   | YES        | <u>NO</u> |
| (14) Emergency response periodic drills and exercises   | YES        | <u>NO</u> |
| (15) Radiological Emergency Response Training   | YES        | <u>NO</u> |
| (16) Plan development, review and distribution  | YES        | <u>NO</u> |

10 CFR 50.54(q) Evaluation Checklist (Continued)

2. Could the change affect our ability to meet the following requirements of Appendix E to 10 CFR 50.

- |   |            |           |
|---|------------|-----------|
| (1) Section IV. A - Organization                          | YES        | <u>NO</u> |
| (2) Section IV. B - Assessment Actions                    | YES        | <u>NO</u> |
| (3) Section IV. C - Activation of Emergency Organizations | YES        | <u>NO</u> |
| (4) Section IV. D - Notification Procedures               | YES        | <u>NO</u> |
| (5) Section IV. E - Emergency Facilities and Equipment    | <u>YES</u> | NO        |
| (6) Section IV. F - Training                              | YES        | <u>NO</u> |
| (7) Section IV. G - Maintaining Emergency Preparedness    | YES        | <u>NO</u> |
| (8) Section IV. H - Recovery                              | YES        | <u>NO</u> |

B. Effectiveness Determination

For each applicable (i.e., a "yes" answer specified) standard to 10 CFR 50.47(b) and Appendix E to 10 CFR 50 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 10 CFR 50.47(b)(8) & Appendix E, Section IV. E of Section A above, this change DOES NOT decrease the effectiveness of the Emergency Plan and DOES continue to meet the stated applicable standard or requirement.

BASIS FOR ANSWER:

The change allows flexibility with the setup of the TSC. Should staff need to make changes to the layout that are not detailed on Figure 1, this gives them the flexibility without violating the procedure. 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 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50. 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 10 CFR 50.54(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: \_\_\_\_\_

Additional Comments:

*Admin. change only*

Prepared By: Audra Williams *Audra Williams* Date: 1/27/03  
(Print/Sign)

Reviewed By: Hori A. Tkaczyk *Hori A. Tkaczyk* Date: 1/27/03  
(Emergency Plan Coordinator) (Print/Sign)

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3542

REVISION 1

OPERATION OF THE TECHNICAL SUPPORT CENTER (TSC)

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages
1	09/17/02	7-12 of 16
2	12/09/02	14 of 16
3	02/19/03	10 of 16

**Implementation Statement:** N/A

Issue Date: 06/06/02

Time/Date

Initials

1.19. IF any persons are reported missing during the accountability checks, THEN perform the following steps:

1.19.1. Page the unaccounted for individual(s) in an attempt to locate them,

1.19.2. Deleted

1.19.3. As necessary, direct the OSC Coordinator to dispatch an on-site search and rescue team to locate the individual(s), and,

1.19.4. Inform the Security Access Control Officer once the individual(s) are located.

1.20. Once accountability is complete, make decision regarding further disposition of company and contractor evacuees, either to stand by or leave the site completely.

**NOTE**

If ERFIS is not available, the assigned individual (in Step 1.19) will also relay appropriate meteorological and radiological information to the Radiological Assistant at the EOF.

1.21. When necessary, assign an individual to report to the Control Room to relay appropriate radiological information to the RP Checkpoint.

(circle event)

A S G

/

1.22. Direct and coordinate the on-site assistance team activities as follows:

1.22.1. Prioritize job tasks to be implemented with the SS/PED, and OSC Coordinator, if staffed.

1.22.2. Ensure that the applicable work control process defined in AP 0021, "Work Orders", is used.

1.22.3. Authorize emergency dose commitments for required job tasks in accordance with OP 3507, "Emergency Radiation Exposure Control."

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 3542, Rev 1, LPC #3, Operation 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.

- 1. Could the proposed change affect our ability to meet the following standards of 10 CFR 50.47(b):
  - (1) Assignment of Emergency Response Organization responsibilities YES NO
  - (2) Assignment of on-shift Emergency Response Organization personnel YES NO
  - (3) Arrangements for Emergency Response Support and Resources YES NO
  - (4) Emergency Classification and Action levels, including facility system and effluent parameters YES NO
  - (5) Notification Methods and Procedures YES NO
  - (6) Emergency Communications among principal response organizations and the public YES NO
  - (7) Public Education and Information YES NO
  - (8) Adequacy of Emergency Facilities and Equipment YES NO
  - (9) Adequacy of Accident Assessment methods, systems and equipment YES NO
  - (10) Plume exposure pathway EPZ protective actions YES NO
  - (11) Emergency Worker Radiological Exposure Control YES NO
  - (12) Medical Services for contaminated injured individuals YES NO
  - (13) Recovery and Reentry Plans YES NO
  - (14) Emergency response periodic drills and exercises YES NO
  - (15) Radiological Emergency Response Training YES NO
  - (16) Plan development, review and distribution YES NO

10 CFR 50.54(q) Evaluation Checklist (Continued)

2. Could the change affect our ability to meet the following requirements of Appendix E to 10 CFR 50.

- |   |            |           |
|---|------------|-----------|
| (1) Section IV. A - Organization                          | <u>YES</u> | NO        |
| (2) Section IV. B - Assessment Actions                    | YES        | <u>NO</u> |
| (3) Section IV. C - Activation of Emergency Organizations | YES        | <u>NO</u> |
| (4) Section IV. D - Notification Procedures               | YES        | <u>NO</u> |
| (5) Section IV. E - Emergency Facilities and Equipment    | <u>YES</u> | NO        |
| (6) Section IV. F - Training                              | YES        | <u>NO</u> |
| (7) Section IV. G - Maintaining Emergency Preparedness    | YES        | <u>NO</u> |
| (8) Section IV. H - Recovery                              | YES        | <u>NO</u> |

B. Effectiveness Determination

For each applicable (i.e., a "yes" answer specified) standard to 10 CFR 50.47(b) and Appendix E to 10 CFR 50 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 10 CFR 50 .47(b) (1), (2), (8) and Appendix E, Section IV. A & E of Section A above, this change DOES NOT decrease the effectiveness of the Emergency Plan and DOES continue to meet the stated applicable standard or requirement.

BASIS FOR ANSWER:

The Governor Hunt House will no longer be used as an assembly area and the monitoring team was eliminated as it was determined that the process for evacuating and monitoring personnel could be improved. Personnel evacuating to the GHH were instructed to wait for further instructions. This placed a burden on the TSC Coordinator to continually monitor conditions and plume direction and when conditions required, release personnel from the GHH. The process of releasing personnel put them at risk for contamination if the plume path included the parking area, access road or GHH. All contractors/visitors will now evacuate the site at the Alert. If a SA or General was declared (not preceded by an Alert), contractors/visitors will be sent to the EOF/RC for monitoring and decontamination, if necessary.

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 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50. 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 10 CFR 50.54(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 3547, OP 3544, E-Plan, OP 3540, OP 3506, OP 3524

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: \_\_\_\_\_

Additional Comments:

Prepared By: Audra Williams *Audra Williams* Date: 2/6/03  
(Print/Sign)

Reviewed By: Lori A. Tkaczyk *Lori A. Tkaczyk* Date: 2/7/03  
(Emergency Plan Coordinator) (Print/Sign)

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3544

REVISION 2

OPERATION OF THE OPERATIONS SUPPORT CENTER (OSC)

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages
1	02/19/03	7 of 11

**Implementation Statement: N/A**

Issue Date: 08/20/02

- |       |   | <u>Time/Date</u>                                      | <u>Initials</u>         |
|-------|---|---|-------------------------|
| 1.6.  | IF there is no indication of a stack release, THEN perform stack sampling as required.  | A _____ / _____<br>S _____ / _____<br>G _____ / _____ | _____<br>_____<br>_____ |
| 1.7.  | Ensure that the names of personnel stationed at the OSC are reported to Security as soon as possible.<br>(VYOPF 3524.02)  | (circle one)<br>A     S     G<br>_____ / _____        | _____<br>_____          |
| 1.8.  | Assign a qualified individual to implement Appendix A, Radiological Habitability Assessment.<br><br>Name: _____   | (circle one)<br>A     S     G<br>_____ / _____        | _____<br>_____          |
| 1.9.  | Designate a qualified individual (Ops. SRO/Control Authority Qualified) to be Switching and Tagging Coordinator (see Appendix C).<br><br>Name: _____                          | (circle one)<br>A     S     G<br>_____ / _____        | _____<br>_____          |
| 1.10. | Utilizing white board located in OSC hallway, designate qualified personnel to implement the following emergency team assignments as applicable and as they become available: |   |                         |

ILPC 1

1.10.1. Deleted

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 3544, Rev 2, LPC #1, Operation 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 10 CFR 50.47(b):
- |   |            |           |
|---|------------|-----------|
| (1) Assignment of Emergency Response Organization responsibilities                                | <u>YES</u> | <u>NO</u> |
| (2) Assignment of on-shift Emergency Response Organization personnel                              | <u>YES</u> | <u>NO</u> |
| (3) Arrangements for Emergency Response Support and Resources                                     | <u>YES</u> | <u>NO</u> |
| (4) Emergency Classification and Action levels, including facility system and effluent parameters | <u>YES</u> | <u>NO</u> |
| (5) Notification Methods and Procedures   | <u>YES</u> | <u>NO</u> |
| (6) Emergency Communications among principal response organizations and the public                | <u>YES</u> | <u>NO</u> |
| (7) Public Education and Information  | <u>YES</u> | <u>NO</u> |
| (8) Adequacy of Emergency Facilities and Equipment  | <u>YES</u> | <u>NO</u> |
| (9) Adequacy of Accident Assessment methods, systems and equipment                                | <u>YES</u> | <u>NO</u> |
| (10) Plume exposure pathway EPZ protective actions  | <u>YES</u> | <u>NO</u> |
| (11) Emergency Worker Radiological Exposure Control   | <u>YES</u> | <u>NO</u> |
| (12) Medical Services for contaminated injured individuals  | <u>YES</u> | <u>NO</u> |
| (13) Recovery and Reentry Plans   | <u>YES</u> | <u>NO</u> |
| (14) Emergency response periodic drills and exercises   | <u>YES</u> | <u>NO</u> |
| (15) Radiological Emergency Response Training   | <u>YES</u> | <u>NO</u> |
| (16) Plan development, review and distribution  | <u>YES</u> | <u>NO</u> |

10 CFR 50.54(q) Evaluation Checklist (Continued)

2. Could the change affect our ability to meet the following requirements of Appendix E to 10 CFR 50.

- |   |            |           |
|---|------------|-----------|
| (1) Section IV. A - Organization                          | <u>YES</u> | NO        |
| (2) Section IV. B - Assessment Actions                    | YES        | <u>NO</u> |
| (3) Section IV. C - Activation of Emergency Organizations | YES        | <u>NO</u> |
| (4) Section IV. D - Notification Procedures               | YES        | <u>NO</u> |
| (5) Section IV. E - Emergency Facilities and Equipment    | <u>YES</u> | NO        |
| (6) Section IV. F - Training                              | YES        | <u>NO</u> |
| (7) Section IV. G - Maintaining Emergency Preparedness    | YES        | <u>NO</u> |
| (8) Section IV. H - Recovery                              | YES        | <u>NO</u> |

B. Effectiveness Determination

For each applicable (i.e., a "yes" answer specified) standard to 10 CFR 50.47(b) and Appendix E to 10 CFR 50 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 10 CFR 50 .47(b) (1), (2),<sup>(5)</sup> and Appendix E, Section IV. A<sup>of</sup> of Section A above, this change DOES NOT decrease the effectiveness of the Emergency Plan and DOES continue to meet the stated applicable standard or requirement.

BASIS FOR ANSWER:

The Governor Hunt House will no longer be used as an assembly area and the monitoring team was eliminated as it was determined that the process for evacuating and monitoring personnel could be improved. Personnel evacuating to the GHH were instructed to wait for further instructions. This placed a burden on the TSC Coordinator to continually monitor conditions and plume direction and when conditions required, release personnel from the GHH. The process of releasing personnel put them at risk for contamination if the plume path included the parking area, access road or GHH. All contractors/visitors will now evacuate the site at the Alert. If a SA or General was declared (not preceded by an Alert), contractors/visitors will be sent to the EOF/RC for monitoring and decontamination, if necessary.

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 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50. 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 10 CFR 50.54(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 3547, OP 3542, E-Plan, OP 3540, OP 3506, OP 3524

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: \_\_\_\_\_

Additional Comments:

*VY personnel are monitored at the EOF, this change puts everyone through the same process.*

Prepared By: Audra Williams *Audra Williams* Date: 2/6/03  
(Print/Sign)

Reviewed By: Lori A. Tkaczuk *Lori A. Tkaczuk* Date: 2/7/03  
(Emergency Plan Coordinator) (Print/Sign)

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3545

REVISION 1

**ACTIVATION OF THE  
EMERGENCY OPERATIONS FACILITY/RECOVERY CENTER (EOF/RC)**

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages
1	10/22/02	5 of 6
2	01/24/03	4 & 6 of 6; Table 1 Pgs 1 & 2 of 2; Table 2 Pg 1 of 1; Figure 1 Pg 1 of 1; <b>DELETE FIGURE 2 PG 1 OF 1; &amp; Figure 3 Pg 1 of 1</b>
3	02/24/03	Table 1 Pg 2 of 2; Figure 1 Pg 1 of 1

**Implementation Statement: N/A**

Issue Date: 06/06/02

**TABLE 1 (Continued)**

**Other Positions to be Staffed (cont.)**

SRM Ops Advisor #2	_____
LPC 2 EOF Coordinator's Assistant	_____
SRM State Advisor	_____
LPC 3 JNC Technical Representative	_____
SRM Media Advisor	_____
SRM Radiological Advisor	_____
ERFIS Operator	_____
METPAC Operator	_____
Manpower & Planning Assistant	_____
Personnel & Equipment Monitors	_____
Personnel & Equipment Monitors	_____
Facilities Coordinator	_____
Telecommunications Coordinator	_____
Switchboard Operator	_____

**FIGURE 1**  
**EOF/RC FOOTPRINT SAMPLE**

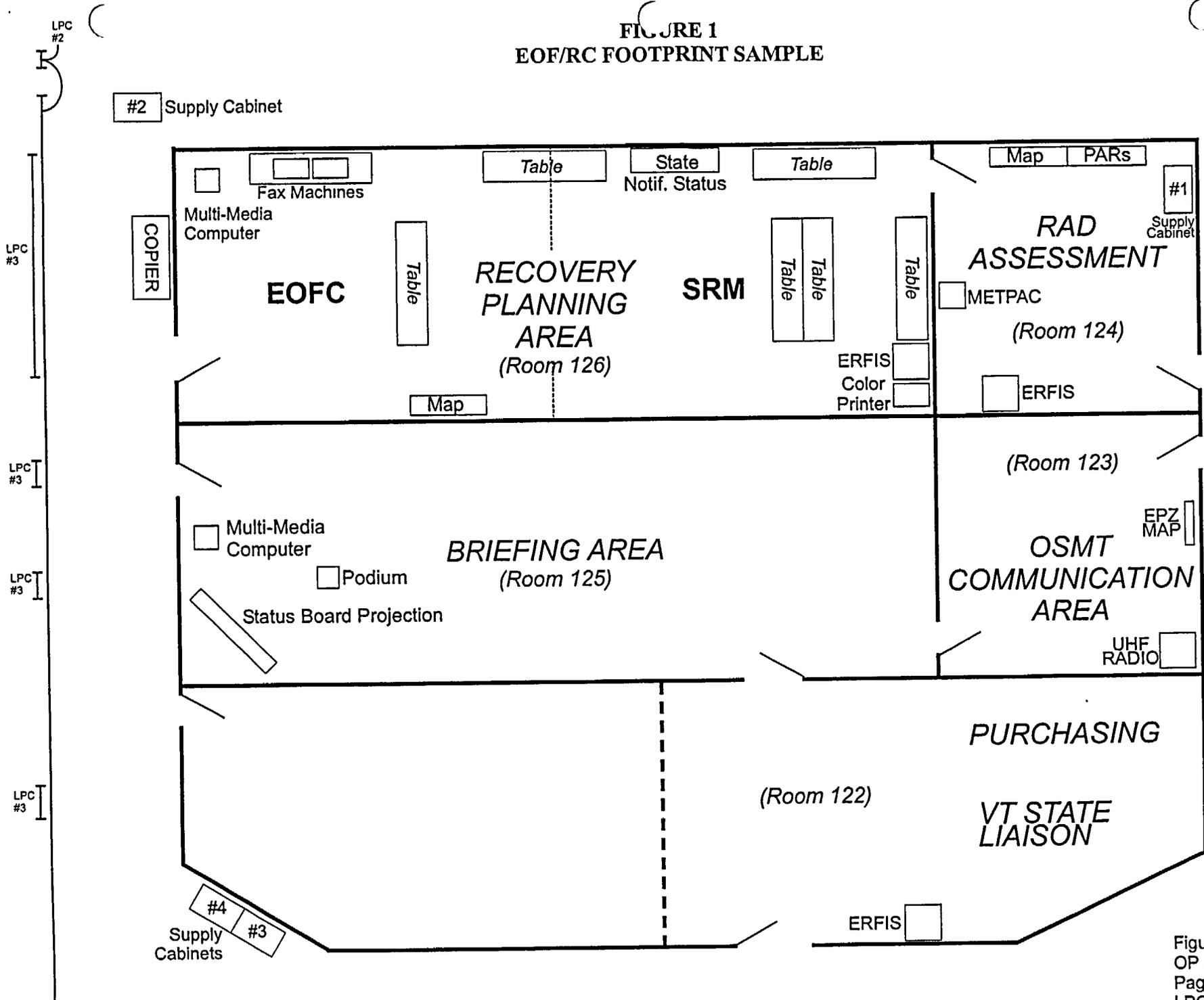


Figure 1  
OP 3545 Rev. 1  
Page 1 of 1  
LPC #3

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 3545, Rev. 1, LPC #3, Activation of the EOF/RC

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 10 CFR 50.47(b):
- |   |            |           |
|---|------------|-----------|
| (1) Assignment of Emergency Response Organization responsibilities                                | YES        | <u>NO</u> |
| (2) Assignment of on-shift Emergency Response Organization personnel                              | YES        | <u>NO</u> |
| (3) Arrangements for Emergency Response Support and Resources                                     | YES        | <u>NO</u> |
| (4) Emergency Classification and Action levels, including facility system and effluent parameters | YES        | <u>NO</u> |
| (5) Notification Methods and Procedures   | YES        | <u>NO</u> |
| (6) Emergency Communications among principal response organizations and the public                | YES        | <u>NO</u> |
| (7) Public Education and Information  | YES        | <u>NO</u> |
| (8) Adequacy of Emergency Facilities and Equipment  | <u>YES</u> | <u>NO</u> |
| (9) Adequacy of Accident Assessment methods, systems and equipment                                | YES        | <u>NO</u> |
| (10) Plume exposure pathway EPZ protective actions  | YES        | <u>NO</u> |
| (11) Emergency Worker Radiological Exposure Control   | YES        | <u>NO</u> |
| (12) Medical Services for contaminated injured individuals  | YES        | <u>NO</u> |
| (13) Recovery and Reentry Plans   | YES        | <u>NO</u> |
| (14) Emergency response periodic drills and exercises   | YES        | <u>NO</u> |
| (15) Radiological Emergency Response Training   | YES        | <u>NO</u> |
| (16) Plan development, review and distribution  | YES        | <u>NO</u> |

10 CFR 50.54(q) Evaluation Checklist (Continued)

2. Could the change affect our ability to meet the following requirements of Appendix E to 10 CFR 50.

- |   |            |           |
|---|------------|-----------|
| (1) Section IV. A - Organization                          | YES        | NO        |
| (2) Section IV. B - Assessment Actions                    | YES        | <u>NO</u> |
| (3) Section IV. C - Activation of Emergency Organizations | YES        | <u>NO</u> |
| (4) Section IV. D - Notification Procedures               | YES        | <u>NO</u> |
| (5) Section IV. E - Emergency Facilities and Equipment    | <u>YES</u> | NO        |
| (6) Section IV. F - Training                              | YES        | <u>NO</u> |
| (7) Section IV. G - Maintaining Emergency Preparedness    | YES        | <u>NO</u> |
| (8) Section IV. H - Recovery                              | YES        | <u>NO</u> |

B. Effectiveness Determination

For each applicable (i.e., a "yes" answer specified) standard to 10 CFR 50.47(b) and Appendix E to 10 CFR 50 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 10 CFR 50.47(b) (8) & Appendix E, Section IV. E of Section A above, this change DOES NOT decrease the effectiveness of the Emergency Plan and DOES continue to meet the stated applicable standard or requirement.

BASIS FOR ANSWER:

The changes to the floor plan have already been covered in LPC#2. This change is just an enhancement to the floor plan after a dry run through was conducted using the new diagram. The functionality of the room has not changed.

The removal of the EOF Coordinator's Assistant was covered in LPC#2, but was overlooked on page 6 when it was removed from other parts of the procedure. This change is removing the position on page 6.

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 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50. 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 10 CFR 50.54(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: \_\_\_\_\_

Additional Comments:

Prepared By: Audra Williams *Audra Williams* Date: 2/13/03  
(Print/Sign)

Reviewed By: Lori A. Traczyk *Lori A. Traczyk* Date: 2/17/03  
(Emergency Plan Coordinator) (Print/Sign)

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3546

REVISION 2

**OPERATIONS OF THE  
EMERGENCY OPERATIONS FACILITY/RECOVERY CENTER (EOF/RC)**

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages
1	01/24/03	App A Pg 2 of 7
2	02/24/03	VYOPF 3546.02 Pgs 1 & 2 of 2

Implementation Statement: N/A

Issue Date: 01/20/03

**EMERGENCY CLASSIFICATION AND PAR NOTIFICATION/UPGRADE FORM**

**VYOPF 3546.02 INSTRUCTIONS**

**STATES NOTIFICATION MUST BE INITIATED WITHIN 15 MINUTES OF DECLARATION.**

- LPC  
2
1. Prepare message (Section I). Check A.1. **IF** an event is being declared and fill in appropriate information. Check A.2. **IF** the Protective Action Recommendation is being up-graded. Complete section B. Complete section C. If a PAR is part of the message, use VYOPF 3511.01 for affected towns. Read Section E only at initial General Emergency declaration to recommend implementation of State KI plan.
  2. Obtain signatures (Section II). Individual filling out form must sign. Prior to notifications, get approval of contents of message by getting appropriate signature.
  3. Contact States by using appropriate contact number(s) listed below.
  4. Record initial State contact times and name of individual contacted (Section III).
  5. Fax States by using appropriate fax number(s) listed below.
  6. Record time notification was faxed to States (Section IV).
  7. After all States notifications are completed, inform authorizing individual.

CONTACT NUMBERS				
	CONTROL ROOM		EOF/RC	
<b>NAS - ORANGE PHONE GROUP CALL</b>	<b>VT/NH/MA STATE POLICE 111</b>		<b>VT/NH/MA STATE EOCs 333</b>	
NAS INDIVIDUAL STATION CALL	VT STATE POLICE	213	VT STATE EOC	314
	NH STATE POLICE	212	NH STATE EOC	311
	MA STATE POLICE	210	MA STATE EOC	313

**NOTE**

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

COMMERCIAL TELEPHONE BACKUP	VT STATE POLICE Primary - 802-244-8727 Backup - 802-244-7814	VT STATE EOC Switchboard - 802-244-8721 Direct Line - 802-241-5476
	NH STATE POLICE 603-271-3636	NH STATE EOC Switchboard - 603-271-2231 Direct Line - 603-223-3662
	MA STATE POLICE 413-584-3000	MA STATE EOC Switchboard - 508-820-2000 Direct Line - 508-820-2075
FAX NOTIFICATIONS	VT - 802-875-2176 NH - 603-271-1153 MA - 413-587-5675 OR 413-584-9981	VT - 802-241-5556 NH - 603-225-7341 MA - 508-875-2517

**EMERGENCY CLASSIFICATION AND PAR NOTIFICATION/UPGRADE FORM (Continued)**

**I. MESSAGE**

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

A. We have: (complete either 1 or 2)

1. Declared a (check one):
- Unusual Event
  - Unusual Event Terminated
  - Alert
  - Site Area Emergency
  - General Emergency

at \_\_\_\_\_ hours due to AP 3125 EAL  
alpha-numeric designator \_\_\_\_\_

2. Upgraded the Protective Actions for the General Emergency which was declared at \_\_\_\_\_ hours.

B. Plant Conditions:

1. The Plant is: (Check one)

- continuing normal operation
- reducing power levels
- shut down

2. There is: (Check one)

- no radiation release related to this event
- a release of radiation BELOW federally approved operating limits in progress, related to this event
- a release of radiation ABOVE federally approved operating limits in progress, related to this event

3. Present Meteorological conditions:

Wind speed \_\_\_\_\_ mph  
Wind direction from \_\_\_\_\_ degrees.

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

- None       As Follows

State	Town	Shelter	Evac
VT	Brattleboro	<input type="checkbox"/>	<input type="checkbox"/>
	Dummerston	<input type="checkbox"/>	<input type="checkbox"/>
	Guilford	<input type="checkbox"/>	<input type="checkbox"/>
	Halifax	<input type="checkbox"/>	<input type="checkbox"/>
	Vernon	<input type="checkbox"/>	<input type="checkbox"/>
NH	Chesterfield	<input type="checkbox"/>	<input type="checkbox"/>
	Hinsdale	<input type="checkbox"/>	<input type="checkbox"/>
	Richmond	<input type="checkbox"/>	<input type="checkbox"/>
	Swansey	<input type="checkbox"/>	<input type="checkbox"/>
MA	Winchester	<input type="checkbox"/>	<input type="checkbox"/>
	Bernardston	<input type="checkbox"/>	<input type="checkbox"/>
	Colrain	<input type="checkbox"/>	<input type="checkbox"/>
	Gill	<input type="checkbox"/>	<input type="checkbox"/>
	Greenfield	<input type="checkbox"/>	<input type="checkbox"/>
	Leyden	<input type="checkbox"/>	<input type="checkbox"/>
	Northfield	<input type="checkbox"/>	<input type="checkbox"/>
	Warwick	<input type="checkbox"/>	<input type="checkbox"/>

D. Follow your State procedures for the designated Classification

E. (At the initial General Emergency declaration, state the following:)

We recommend you implement your State KI plan.

**II. PREPARER/APPROVAL SIGNATURES**

Form filled out by (print and sign): \_\_\_\_\_ / \_\_\_\_\_  
Authorized by (print and sign): \_\_\_\_\_ / \_\_\_\_\_  
(PED / TSCC / SRM) Time/Date

**III. NOTIFICATION TIME AND ACKNOWLEDGEMENT: (NOTE: INITIAL CONTACT WITH STATES MUST BE MADE WITHIN 15 MINUTES OF DECLARATION OR UPGRADE)**

Time notification initiated: VT \_\_\_\_\_ NH \_\_\_\_\_ MA \_\_\_\_\_  
Acknowledgement of message: VT \_\_\_\_\_ NH \_\_\_\_\_ MA \_\_\_\_\_  
Name Name Name

**IV. FAX NOTIFICATION FORM TO THE STATES (NOTE: THIS IS TO SUPPLEMENT THE CALL)**

Time notification initiated: VT \_\_\_\_\_ NH \_\_\_\_\_ MA \_\_\_\_\_

Remarks:

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 3546, Rev 2, LPC #<sup>2</sup>~~0~~, Operation of the EOF/RC

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 10 CFR 50.47(b):
- |   |            |           |
|---|------------|-----------|
| (1) Assignment of Emergency Response Organization responsibilities                                | YES        | <u>NO</u> |
| (2) Assignment of on-shift Emergency Response Organization personnel                              | YES        | <u>NO</u> |
| (3) Arrangements for Emergency Response Support and Resources                                     | YES        | <u>NO</u> |
| (4) Emergency Classification and Action levels, including facility system and effluent parameters | YES        | <u>NO</u> |
| (5) Notification Methods and Procedures   | YES        | <u>NO</u> |
| (6) Emergency Communications among principal response organizations and the public                | YES        | <u>NO</u> |
| (7) Public Education and Information  | YES        | <u>NO</u> |
| (8) Adequacy of Emergency Facilities and Equipment  | YES        | <u>NO</u> |
| (9) Adequacy of Accident Assessment methods, systems and equipment                                | YES        | <u>NO</u> |
| (10) Plume exposure pathway EPZ protective actions  | <u>YES</u> | NO        |
| (11) Emergency Worker Radiological Exposure Control   | YES        | <u>NO</u> |
| (12) Medical Services for contaminated injured individuals  | YES        | <u>NO</u> |
| (13) Recovery and Reentry Plans   | YES        | <u>NO</u> |
| (14) Emergency response periodic drills and exercises   | YES        | <u>NO</u> |
| (15) Radiological Emergency Response Training   | YES        | <u>NO</u> |
| (16) Plan development, review and distribution  | YES        | <u>NO</u> |

10 CFR 50.54(q) Evaluation Checklist (Continued)

2. Could the change affect our ability to meet the following requirements of Appendix E to 10 CFR 50.

- |   |     |           |
|---|-----|-----------|
| (1) Section IV. A - Organization                          | YES | <u>NO</u> |
| (2) Section IV. B - Assessment Actions                    | YES | <u>NO</u> |
| (3) Section IV. C - Activation of Emergency Organizations | YES | <u>NO</u> |
| (4) Section IV. D - Notification Procedures               | YES | <u>NO</u> |
| (5) Section IV. E - Emergency Facilities and Equipment    | YES | <u>NO</u> |
| (6) Section IV. F - Training                              | YES | <u>NO</u> |
| (7) Section IV. G - Maintaining Emergency Preparedness    | YES | <u>NO</u> |
| (8) Section IV. H - Recovery                              | YES | <u>NO</u> |

B. Effectiveness Determination

For each applicable (i.e., a "yes" answer specified) standard to 10 CFR 50.47(b) and Appendix E to 10 CFR 50 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 10 CFR 50.47(b)(10) of Section A above, this change DOES NOT decrease the effectiveness of the Emergency Plan and DOES continue to meet the stated applicable standard or requirement.

BASIS FOR ANSWER:

This changed is based on the decision of each of the states to include KI as part of their state plan and public protective actions for their state. As part of the requirement of 10CFR50.47(b)(10) to provide appropriate PARs to state decision makers, VY has also added the recommendation to the state to implement their KI plans. The state plans provide the basis for distribution of KI. This does not decrease the effectiveness of the EPlan 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 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50. 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 10 CFR 50.54(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 3540

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: \_\_\_\_\_

Additional Comments:

Prepared By: Audra Williams *Audra Williams* Date: 2/12/03  
(Print/Sign)

Reviewed By: Lori A. Tkaczyk *Lori A. Tkaczyk* Date: 2/12/03  
(Emergency Plan Coordinator) (Print/Sign)

VERMONT YANKEE NUCLEAR POWER STATION

**OPERATING PROCEDURE**

OP 3547

REVISION 1

SECURITY ACTIONS DURING AN EMERGENCY

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages
1	02/19/03	7 of 8

Implementation Statement: N/A

Issue Date: 06/25/02

Time/Date

Initials

LPC 1

1.3. If deemed necessary, at ALERT or higher, ensure Security has been assigned for contractor and visitor control at Gate 1.

(circle one)  
A S G

\_\_\_\_\_/\_\_\_\_\_  
\_\_\_\_\_

1.4. At ALERT and higher, ensure accountability of personnel has been completed in accordance with OP 3524.

(circle one)  
A S G

\_\_\_\_\_/\_\_\_\_\_  
\_\_\_\_\_

1.5. 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:

"This is Vermont Yankee Nuclear Power Station in Vernon, Vermont. We have a(n) \_\_\_\_\_.  
I repeat, this is Vermont Yankee Nuclear Power Station in Vernon, Vermont. We have a(n) \_\_\_\_\_.  
Please acknowledge with your name."

Name of Watch Staff Member

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

(circle one)  
U A S G

\_\_\_\_\_/\_\_\_\_\_  
\_\_\_\_\_

1.6. Post the appropriate emergency classification sign in an obvious location on the front of the Gate II desk.

(circle one)  
U A S G

\_\_\_\_\_/\_\_\_\_\_  
\_\_\_\_\_

1.7. IF ALERT, or higher, THEN arrange for Fitness-For-Duty Collection Site Staff to be available at the EOF and the Plant.

(circle one)  
A S G

\_\_\_\_\_/\_\_\_\_\_  
\_\_\_\_\_

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 1, 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 10 CFR 50.47(b):
- |   |            |           |
|---|------------|-----------|
| (1) Assignment of Emergency Response Organization responsibilities                                | YES        | <u>NO</u> |
| (2) Assignment of on-shift Emergency Response Organization personnel                              | <u>YES</u> | NO        |
| (3) Arrangements for Emergency Response Support and Resources                                     | YES        | <u>NO</u> |
| (4) Emergency Classification and Action levels, including facility system and effluent parameters | YES        | <u>NO</u> |
| (5) Notification Methods and Procedures   | YES        | <u>NO</u> |
| (6) Emergency Communications among principal response organizations and the public                | YES        | <u>NO</u> |
| (7) Public Education and Information  | YES        | <u>NO</u> |
| (8) Adequacy of Emergency Facilities and Equipment  | YES        | <u>NO</u> |
| (9) Adequacy of Accident Assessment methods, systems and equipment                                | YES        | <u>NO</u> |
| (10) Plume exposure pathway EPZ protective actions  | YES        | <u>NO</u> |
| (11) Emergency Worker Radiological Exposure Control   | YES        | <u>NO</u> |
| (12) Medical Services for contaminated injured individuals  | YES        | <u>NO</u> |
| (13) Recovery and Reentry Plans   | YES        | <u>NO</u> |
| (14) Emergency response periodic drills and exercises   | YES        | <u>NO</u> |
| (15) Radiological Emergency Response Training   | YES        | <u>NO</u> |
| (16) Plan development, review and distribution  | YES        | <u>NO</u> |

10 CFR 50.54(q) Evaluation Checklist (Continued)

2. Could the change affect our ability to meet the following requirements of Appendix E to 10 CFR 50.

- |   |     |           |
|---|-----|-----------|
| (1) Section IV. A - Organization                          | YES | <u>NO</u> |
| (2) Section IV. B - Assessment Actions                    | YES | <u>NO</u> |
| (3) Section IV. C - Activation of Emergency Organizations | YES | <u>NO</u> |
| (4) Section IV. D - Notification Procedures               | YES | <u>NO</u> |
| (5) Section IV. E - Emergency Facilities and Equipment    | YES | <u>NO</u> |
| (6) Section IV. F - Training                              | YES | <u>NO</u> |
| (7) Section IV. G - Maintaining Emergency Preparedness    | YES | <u>NO</u> |
| (8) Section IV. H - Recovery                              | YES | <u>NO</u> |

B. Effectiveness Determination

For each applicable (i.e., a "yes" answer specified) standard to 10 CFR 50.47(b) and Appendix E to 10 CFR 50 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 10 CFR 50 .47(b)(2) of Section A above, this change DOES NOT decrease the effectiveness of the Emergency Plan and DOES continue to meet the stated applicable standard or requirement.

BASIS FOR ANSWER:

With the elimination of the use of the GHH during an event, there is no longer a need for Security personnel to be stationed at the GHH. This does not decrease the effectiveness of the plan and all requirements are being met.

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 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50.
- The changes made do decrease the effectiveness of the Emergency Plan and decrease our ability to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR 50. 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 10 CFR 50.54(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 3544, OP 3542, E-Plan, OP 3540, OP 3506

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: \_\_\_\_\_

Additional Comments:

Prepared By: Audra Williams *Audra Williams* Date: 2/6/03  
(Print/Sign)

Reviewed By: Lori A. Tkaczyk *Lori A. Tkaczyk* Date: 2/7/03  
(Emergency Plan Coordinator) (Print/Sign)