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January 20, 2003
BVY 03-07

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 – Change #212

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 3540, Rev. 2
OP 3546, Rev 2
OP 3511, Rev. 12

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

TO: NRC DCC

VERMONT YANKEE CONTROLLED DOCUMENT TRANSMITTAL FORM

SECTION 1

DOCUMENT TITLE: E-PLAN IMPLEMENTING PROCEDURES

COPY NUMBER: 54

CHANGE NUMBER: 212

ISSUE DATE: 01/20/03

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- e. Destroy all superseded pages.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: Ann M. Pichette 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: _____

Eplan Implementing Plant Procedures

To: EPlan Implementing Procedure Controlled Set Holders
From: Technical Support - DCC - Ann M. Pichette
Date: 01/20/2003
Re: VY EPlan Implementing Procedure Change #212, Instruction Sheet

A new Table of Contents is included.

REVISIONS:

Please replace the following procedures:

Proc/Rev #

Procedure Title

OP 3511/12

Emergency Communications

OP 3540/2

Control Room Actions During an Emergency

OP 3546/2

Operation of the Emergency Operations Facility/Recovery Center (EOF/RC)

Index Pages

39 & 40

Vermont Yankee Emergency Plan Implementing Procedures				
Table of Contents				
January 20, 2003				
Title	Number	Revision	LPC #	Use Classification
Emergency Plan Classification and Action Level Scheme	AP 3125	Rev. 19		"Reference"
Emergency Communications	OP 3504	Rev. 34	2	"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. 26	1	"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	1	"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		"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	1	"Reference"
Operation of the Technical Support Center	OP 3542	Rev. 1	2	"Reference"
Operation of the Operations Support Center	OP 3544	Rev. 2		"Reference"
Activation of the Emergency Operations Facility/Recovery Center	OP 3545	Rev. 1	1	"Reference"
Operation of the Emergency Operations Facility/Recovery Center	OP 3546	Rev. 2		"Reference"
Security Actions During an Emergency	OP 3547	Rev. 1		"Reference"
Emergency Plan Training	OP 3712	Rev. 16		"Information"

REVISED PROCEDURE CONTROL FORM

PART 1 - Initiation

A. Procedure No. OP 3511	New Revision No. No. 12	Title Off-Site Protective Action Recommendations	
B. Review Criteria: <input type="checkbox"/> Partial <input type="checkbox"/> Editorial <input checked="" type="checkbox"/> Complete		C. Periodic Review Cycle: <input checked="" type="checkbox"/> 2 Year (Event Driven) <input type="checkbox"/> N/A	
D. List DIs & LPCs: #1, 2, 3			
E. Description and Reasons for Procedure/Changes: Added text to control future Applicability Determinations. Per EPEX-2001-EOF-5_01 – defined when the 15 min. clock begins Corrected typo of procedure number in II.A.5			
F. Originator Name: (App. A was used as references to create this revision, App. C is completed and attached unless Part 1.B above is "Editorial".) (Print/sign/date) Audra Williams <i>Audra Williams</i> 6/26/02			Telephone Extension: x4177

PART 2 - Reviews

A. Walk-Through Validation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Field Walk-Through <input type="checkbox"/> Table-Top <input type="checkbox"/> Simulator Validation		B. Technical Verification Reviewer <input type="checkbox"/> N/A (App. B used as a reference) (Print/Sign/Date) <i>Lori A. Tkaczuk Louella Tkaczuk 6/27/02</i>	
C. Cross-Discipline Reviews: <input type="checkbox"/> N/A			
Department	Name	Signature	Date
Rad Protection	<i>John J. Gysin</i>	<i>[Signature]</i>	<i>11/18/02</i>
D. 50.59 Review Per AP 6002, Preparing 50.59 Evaluations <input type="checkbox"/> N/A <input type="checkbox"/> 50.59 AD previously performed and documented in the text of this procedure and is still applicable. <input checked="" type="checkbox"/> 50.59 Applicability Determination completed and attached; 50.59 Screening NOT required. <input type="checkbox"/> 50.59 Review Screening completed and attached, 50.59 Evaluation NOT required. <input type="checkbox"/> 50.59 Evaluation completed and attached.			
E. QUALIFIED REVIEWER: Use App. D as a reference (May perform 50.59 Applicability Determination) (Part 2.D) (Print/Sign/Date) <i>Audra Williams Audra Williams 11.19.02</i>			
F. ORIGINATOR: <input checked="" type="checkbox"/> Comments Resolved <input checked="" type="checkbox"/> Re-verify All DIs & LPCs Considered <input checked="" type="checkbox"/> Sent for Final Type (CDS or STC (SPs only)) Initial/Date <i>Amp 1/7/03</i> <input checked="" type="checkbox"/> Proofread after Final Type (Print/Sign/Date) <i>Audra Williams</i>			

VERMONT YANKEE NUCLEAR POWER STATION

OPERATING PROCEDURE

OP 3511

REVISION 12

OFF-SITE PROTECTIVE ACTION RECOMMENDATIONS

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages

Implementation Statement: N/A

Issue Date: 01/20/03

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PURPOSE

To specify the criteria that is utilized for making a Protective Action Recommendation (PAR) to the appropriate Emergency Planning Zone States.

DISCUSSION

Responsibilities:

1. Shift Supervisor/Plant Emergency Director (SS/PED):

Authorizes the initial Protective Action Recommendation to the State authorities until relieved by the TSC Coordinator or Site Recovery Manager.

2. Technical Support Center (TSC) Coordinator:

Authorizes Protective Action Recommendation to the State authorities until relieved by the Site Recovery Manager.

3. EOF Coordinator/Radiological Assistant:

Evaluates radiological data used to determine the appropriate Protective Action Recommendation and provides recommendation to the Site Recovery Manager at the EOF/RC.

4. Site Recovery Manager (SRM):

The cognizant individual with the overall responsibility and authority to provide the appropriate Protective Action Recommendation to the State authorities.

The decision making process to determine the Protective Action Recommendation for the plume exposure emergency planning zone is based on two criteria. The criteria include the consideration of plant conditions at the General Emergency classification, and projected and measured radiological doses in the environment.

For a Protective Action Recommendation based on plant conditions at the General Emergency classification, information is obtained on in-core fuel conditions, fission product inventory in containment, containment integrity, and release conditions. This information is then utilized to determine the appropriate Protective Action Recommendation (i.e., shelter or evacuation) based upon the guidance contained in Figure 1.

For a Protective Action Recommendation based on release of radioactivity, the appropriate information concerning projected and measured dose rates in the environment is utilized. Determination of the population at risk is based upon meteorological data (wind speed, wind direction, and stability class). The exposure time is based upon available information such as plant conditions or type of accident. In the event that this cannot be readily approximated, a default release duration estimate is utilized. The projected and measured dose is calculated from this information.

The projected or measured dose is then utilized to determine the appropriate Protective Action Recommendation based upon Environmental Protection Agency (EPA) guidance.

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 a managerial and an administrative monitoring process, subject to 10CFR50 Appendix B, that does not alter the design, performance requirements, operation, or control of Systems, Structures, or Components (SSCs).

ATTACHMENTS

1. VYOPF 3511.01 Protective Action Recommendation Worksheet
2. VYOPF 3511.02 Deleted
3. Table 1 Deleted
4. Table 2 Deleted
5. Table 3 General Emergency Protective Action Guidelines Based on Plant Conditions
6. Table 4 Dose Projection Protective Action Guidelines - Towns 10 Miles Downwind
7. Table 5 Dose Projection Protective Action Guidelines - Towns 5 Miles Downwind
8. Figure 1 Flow Chart - General Emergency Protective Action Recommendations

REFERENCES AND COMMITMENTS

1. Technical Specifications and Site Documents
 - a. None
2. Codes, Standards, and Regulations
 - a. NUREG 0654, Rev. 1, "Criteria for Preparation and Evaluation of the Radiological Emergency Response Plans at Nuclear Power Plants."
3. Commitments
 - a. None
4. Supplemental References
 - a. EPA 400-R-92-001, "Manual of Protective Action Guides and Protective Actions for Nuclear Accidents.", October 1991
 - b. USNRC IE Notice 83-28, "Criteria for Protective Action Recommendations for General Emergencies", May 4, 1983
 - c. Vermont Yankee Nuclear Power Station Emergency Plan

- d. YAEC Memorandum J.G. Parillo to S.R. Miller, "Monitor Indications for Failed Fuel", dated 6/27/95, REG 110/95
- e. AP 3125, Emergency Plan Classification and Action Level Scheme
- f. OP 3504, Emergency Communications
- g. OP 3513, Evaluation of Off-Site Radiological Conditions
- h. OP 3540, Control Room Actions During an Emergency
- i. OP 3542, Operation of the Technical Support Center (TSC)
- j. OP 3544, Operation of the Operations Support Center (OSC)
- k. OP 3546, Operation of the Emergency Operations Facility/Recovery Center (EOF/RC)
- l. OP 3547, Security Actions During an Emergency
- m. AP 6807, Collection, Temporary Storage and Retrieval of QA Records

PRECAUTIONS/LIMITATIONS

1. Emphasize to States' representatives that no compensation in the recommendation is made for the time to implement and complete protective actions.
2. An immediate Protective Action Recommendation based on General Emergency classification level must be implemented as delineated in Section I of this procedure.
3. A Protective Action Recommendation is reviewed against protective action actually implemented prior to re-issuing an updated recommendation.
4. If possible and if time permits, confer with the appropriate State and Federal authorities to ensure that questions on protective actions to be applied are answered prior to formal recommendation.

PROCEDURE

NOTES

- If a Protective Action Recommendation (shelter or evacuation) is warranted, ensure that a General Emergency has been declared, consistent with AP 3125.
- A Protective Action Recommendation is approved by the senior manager in charge of emergency activities at the time the recommendation is made. This person reviews and approves the recommendation, then transmits it to the states.
- Section I or II may be performed out of sequence and independent of each other.

I. Protective Action Recommendation Based on Plant Conditions

- A. Immediate actions by the senior manager in charge or designated alternate (General Emergency Declared)

NOTES

- Initial notification of the General Emergency based on plant conditions, with determined Protective Action Recommendation, must be initiated to state authorities within 15 minutes.
- A Protective Action Recommendation becomes valid and the 15-minute clock begins when the senior manager in charge of emergency activities at the time the recommendation is made approves and signs VYOPF 3511.01.
- Initial notification of the General Emergency based on plant conditions, with determined Protective Action Recommendation, should not be delayed due to performing dose projections or awaiting their results.
- Two individuals should be assigned to formulate the PAR independently to ensure accuracy.

1. Use Figure 1 and Table 3 (ER2000-1363) to determine the appropriate Protective Action Recommendation (PAR) based on plant conditions.
 - a. If the actual or potential release pathway is a stack release, use the upper wind direction.
 - b. If the actual or potential release pathway is a ground release, use the lower wind direction.

- c. If the actual or potential release pathway is a multiple release (stack and ground), use both the upper and lower wind direction.
2. If available, a second individual should independently verify the PAR. The verification may be performed by the individual who is approving the PAR (PED, TSC Coordinator, or Site Recovery Manager).

NOTE

Any prior protective action recommendations that are still in effect shall be included with updated information and documentation (VYOPF 3511.01).

3. Record appropriate PAR information in Section I of VYOPF 3511.01.
 4. Review PAR with the Site Recovery Manager or senior manager in charge to obtain approval.
 5. Transmit approved PAR to State authorities as delineated in OP 3540 (PED or TSC Coord.) (use VYOPF 3540.06) or OP 3546 (Site Recovery Manager) (use VYOPF 3546.02).
 6. Forward completed VYOPF 3511.01 to the Site Recovery Manager or senior manager in charge.
- B. Subsequent Actions
1. Continue to obtain updated information on plant conditions.
 2. If significant changes occur with plant or meteorological conditions, repeat steps in Section I.A. to re-evaluate Protective Action Recommendation.

II. Protective Action Recommendation Based on Radiological Dose Information

A. Immediate Actions by the EOF Coordinator/Radiological Assistant

NOTE

If EOF/RC is not activated, the SS/PED or TSC Coordinator will be responsible for implementing this section.

1. Obtain current off-site dose projection results and meteorological data (wind direction and stability class) from OP 3513.

NOTE

ODPS and METPAC will automatically compare EPA Protective Action Guidelines with off-site dose projection results. Each computer program provides PARs for selected downwind distances in program printouts and computer screens.

2. Determine appropriate Protective Action Recommendations (PARs) as follows: (Use Section II of VYOPF 3511.01).
 - a. Compare the calculated dose projection results with EPA Protective Action Guidelines delineated below to determine whether EPA Protective Action Guidelines have been exceeded.

EPA PROTECTIVE ACTION GUIDELINES

Total Effective Dose Equivalent (TEDE)	Committed Dose Equivalent (CDE) to the Thyroid	Protective Action
≥1 rem	≥5 rem	<p style="text-align: center;">EVACUATION</p> <p><u>Note:</u> Sheltering may be the preferred protective action if the following are present:</p> <ul style="list-style-type: none"> • severe weather, • competing disasters, • local physical factors which impede evacuation <p>LOCAL/STATE OFF-SITE OFFICIALS WILL DETERMINE THE SIGNIFICANCE OF THESE FACTORS TO THE PAR SUBSEQUENT TO THE ISSUANCE OF THE PAR BY VY.</p>

NOTES

- Table 4 and Table 5 are conservatively based on using the dispersion wheel EPZ area map with plume width transparent overlays and grouping affected towns by stability class and wind directions in 22.5 degree sectors.
- The EPZ area base map with transparent overlays may be used as an aid to display plume direction and plume width. The transparent overlays consist of three colored angles defined as blue (stability class A, B, and C), red (stability class D) and orange (stability class E, F, and G).
- The town of Marlboro, VT is not a VY EPZ town.

b. Choose the towns affected by the PAR as follows:

- 1) **If Appendix B of OP 3513 shows that the PAR (evacuation) is exceeded**, then use **TABLE 5** and appropriate meteorological data (**wind direction and stability class A**) to obtain affected towns out to **five miles** downwind.
- 2) **If ODPS shows that the PAR (evacuation) is exceeded between five and ten miles**, then use **TABLE 4** and appropriate meteorological data (**wind direction and stability class**) to obtain affected towns out to **ten miles** downwind.
- 3) **If ODPS shows that the PAR (evacuation) is exceeded between the site boundary and five miles**, then use **TABLE 5** and appropriate meteorological data (**wind direction and stability class**) to obtain affected towns out to **five miles** downwind.
- 4) **If METPAC is used**, towns affected by the PAR are determined by using one or more of the following:
 - a) METPAC Plume Plot
 - b) METPAC PAG Report
 - c) METPAC Tracking Report
 - d) Field Monitoring Results
 - e) Table 4
 - f) Table 5

NOTE

Any prior protective action recommendations that are still in effect should be included with updated information and documentation (VYOPF 3511.01).

- c. Record appropriate PAR information in Section II of VYOPF 3511.01
 3. Forward completed VYOPF 3511.01 to the Site Recovery Manager or senior manager in charge.
 4. Review the PARs with the Site Recovery Manager or senior manager in charge to obtain approval.
 5. Transmit approved PARs to State authorities as delineated in OP 3540 (PED or TSC Coord.). (Use VYOPF 3540.06) or OP 3546 (Site Recovery Manager) (use VYOPF 3546.02)
- B. Subsequent Actions
1. Continue to obtain updated information concerning off-site release information and status from OP 3513.
 2. If significant changes occur on plant radiological release or meteorological conditions, repeat steps in Section II.A to re-evaluate Protective Action Recommendation.

FINAL CONDITIONS

1. Ensure that all documentation is maintained in an orderly fashion and route all documentation to the Emergency Plan Coordinator for review and filing at the conclusion of the emergency response process.
2. The Emergency Plan Coordinator will ensure that completed records are filed in accordance with AP 6807.

PROTECTIVE ACTION RECOMMENDATION WORKSHEET

INFORMATION CURRENT AT: _____ / _____ (Time/Date)

PROTECTIVE ACTION RECOMMENDATIONS

<p>SECTION I: PLANT CONDITIONS (Fill in with appropriate letter designation for affected towns from Table 3)</p> <p>S= Shelter in Place OR E= Evacuate</p> <p>VERMONT TOWNS</p> <p>_____ Brattleboro _____ Guilford _____ Vernon</p> <p>NEW HAMPSHIRE TOWNS</p> <p>_____ Hinsdale _____ Winchester</p> <p>MASSACHUSETTS TOWNS</p> <p>_____ Bernardston _____ Northfield</p> <p>Performed By: _____</p> <p>Verified By: _____</p>	<p>SECTION II: RADIOLOGICAL DOSE (Fill in with letter designation for affected towns)</p> <p>E= Evacuate</p> <p style="text-align: center;">OR</p> <p>(Check if appropriate) _____ NO PARs Based on Radiological Dose</p> <p>VERMONT TOWNS</p> <p>_____ Brattleboro _____ Dummerston _____ Guilford _____ Halifax _____ Vernon</p> <p>NEW HAMPSHIRE TOWNS</p> <p>_____ Chesterfield _____ Hinsdale _____ Richmond _____ Swanzey _____ Winchester</p> <p>MASSACHUSETTS TOWNS</p> <p>_____ Bernardston _____ Colrain _____ Gill _____ Greenfield _____ Leyden _____ Northfield _____ Warwick</p> <p>The following was used (Check as applicable): <input type="checkbox"/> Nomogram <input type="checkbox"/> ODPS <input type="checkbox"/> METPAC <input type="checkbox"/> Field Data</p> <p>Performed By: _____</p> <p>Verified By: _____</p>
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(The following information to be filled in by Senior Manager in charge or designated alternate)

<p>Approved By: _____ (Time/date) _____</p> <p><input type="checkbox"/> PED <input type="checkbox"/> TSC Coordinator <input type="checkbox"/> Site Recovery Manager (Check one)</p>

Transmit approved PAR to State Authorities as delineated in OP 3540 (PED or TSC Coordinator using OP 3540.06) or OP 3546 (Site Recovery Manager using OP 3546.02)

TABLE 3

GENERAL EMERGENCY PROTECTIVE ACTION GUIDELINES BASED ON PLANT CONDITIONS

WIND IS FROM:	TOWNS 5 MILES DOWNWIND	
Sector A (348° - 11°) North	Vernon Hinsdale	Bernardston Northfield Guilford
Sector B (12° - 33°) NorthNorthEast	Vernon Hinsdale	Bernardston Northfield Guilford
Sector C (34° - 56°) NorthEast	Vernon Hinsdale	Bernardston Northfield Guilford
Sector D (57° - 78°) EastNorthEast	Vernon Hinsdale	Guilford Bernardston
Sector E (79° - 101°) East	Vernon Hinsdale	Brattleboro Guilford Bernardston
Sector F (102° - 123°) EastSouthEast	Vernon Hinsdale	Brattleboro Guilford
Sector G (124° - 146°) SouthEast	Vernon Hinsdale	Brattleboro Guilford
Sector H (147° - 168°) SouthSouthEast	Vernon Hinsdale	Brattleboro Guilford
Sector J (169° - 191°) South	Vernon Hinsdale	Brattleboro Guilford Winchester
Sector K (192° - 213°) SouthSouthWest	Vernon Hinsdale	Winchester
Sector L (214° - 236°) SouthWest	Vernon Hinsdale	Winchester
Sector M (237° - 258°) WestSouthWest	Vernon Hinsdale	Winchester
Sector N (259° - 281°) West	Vernon Hinsdale	Winchester Northfield
Sector P (282° - 303°) WestNorthWest	Vernon Hinsdale	Winchester Northfield
Sector Q (304° - 326°) NorthWest	Vernon Hinsdale	Winchester Northfield Bernardston
Sector R (327° - 347°) NorthNorthWest	Vernon Hinsdale	Winchester Northfield Bernardston

TABLE 4

DOSE PROJECTION PROTECTIVE ACTION GUIDELINES - TOWNS 10 MILES DOWNWIND

Wind From/ Stability Class	Sector A (348° - 11°) North	Sector B (12° - 33°) NorthNorthEast	Sector C (34° - 56°) NorthEast	Sector D (57° - 78°) EastNorthEast
A, B, C (Unstable)	Vernon Hinsdale Bernardston Gill Greenfield Leyden Northfield	Guilford Vernon Hinsdale Bernardston Colrain Gill Greenfield Leyden Northfield	Guilford Vernon Hinsdale Bernardston Colrain Greenfield Leyden	Guilford Halifax Vernon Hinsdale Bernardston Colrain Leyden
D (Neutral)	Vernon Hinsdale Bernardston Gill Greenfield Northfield	Vernon Hinsdale Bernardston Colrain Gill Greenfield Leyden Northfield	Guilford Vernon Hinsdale Bernardston Colrain Greenfield Leyden	Guilford Halifax Vernon Hinsdale Bernardston Colrain Leyden
E, F, G (Stable)	Vernon Hinsdale Bernardston Gill Greenfield Northfield	Vernon Hinsdale Bernardston Gill Greenfield Leyden	Guilford Vernon Hinsdale Bernardston Colrain Leyden	Guilford Halifax Vernon Hinsdale Bernardston Colrain Leyden
Wind From/ Stability Class	Sector E (79° - 101°) East	Sector F (102° - 123°) EastSouthEast	Sector G (124° - 146°) SouthEast	Sector H (147° - 168°) SouthSouthEast
A, B, C (Unstable)	Guilford Halifax Vernon Hinsdale Colrain Leyden	Brattleboro Guilford Halifax Vernon Hinsdale	Brattleboro Dummerston Guilford Halifax Vernon Hinsdale	Brattleboro Dummerston Guilford Vernon Chesterfield Hinsdale
D (Neutral)	Guilford Halifax Vernon Hinsdale Colrain Leyden	Brattleboro Guilford Halifax Vernon Hinsdale	Brattleboro Dummerston Guilford Vernon Hinsdale	Brattleboro Dummerston Guilford Vernon Chesterfield Hinsdale
E, F, G (Stable)	Guilford Halifax Vernon Hinsdale	Brattleboro Guilford Halifax Vernon Hinsdale	Brattleboro Dummerston Guilford Vernon Hinsdale	Brattleboro Dummerston Guilford Vernon Chesterfield Hinsdale

TABLE 4 (Continued)

DOSE PROJECTION PROTECTIVE ACTION GUIDELINES - TOWNS 10 MILES DOWNWIND

Wind From/ Stability Class	Sector J (169° - 191°) South	Sector K (192° - 213°) SouthSouth West	Sector L (214° - 236°) SouthWest	Sector M (237° - 258°) WestSouthWest
A, B, C (Unstable)	Brattleboro Dummerston Vernon Chesterfield Hinsdale Winchester	Dummerston Vernon Chesterfield Hinsdale Swanzy Winchester	Vernon Chesterfield Hinsdale Swanzy Winchester	Vernon Chesterfield Hinsdale Richmond Swanzy Winchester
D (Neutral)	Brattleboro Dummerston Vernon Chesterfield Hinsdale	Vernon Chesterfield Hinsdale Winchester	Vernon Chesterfield Hinsdale Swanzy Winchester	Vernon Chesterfield Hinsdale Richmond Swanzy Winchester
E, F, G (Stable)	Brattleboro Dummerston Vernon Chesterfield Hinsdale	Vernon Chesterfield Hinsdale Winchester	Vernon Chesterfield Hinsdale Swanzy Winchester	Vernon Hinsdale Richmond Swanzy Winchester
Wind From/ Stability Class	Sector N (259° - 281°) West	Sector P (282° - 303°) WestNorthWest	Sector Q (304° - 326°) NorthWest	Sector R (327° - 347°) NorthNorthWest
A, B, C (Unstable)	Vernon Hinsdale Richmond Swanzy Winchester Warwick	Vernon Hinsdale Richmond Winchester Northfield Warwick	Vernon Hinsdale Winchester Northfield Warwick	Vernon Hinsdale Bernardston Gill Northfield Warwick
D (Neutral)	Vernon Hinsdale Richmond Swanzy Winchester	Vernon Hinsdale Richmond Winchester Northfield Warwick	Vernon Hinsdale Winchester Northfield Warwick	Vernon Hinsdale Bernardston Gill Northfield Warwick
E, F, G (Stable)	Vernon Hinsdale Richmond Swanzy Winchester	Vernon Hinsdale Richmond Winchester Northfield Warwick	Vernon Hinsdale Winchester Northfield Warwick	Vernon Hinsdale Bernardston Gill Northfield

TABLE 5

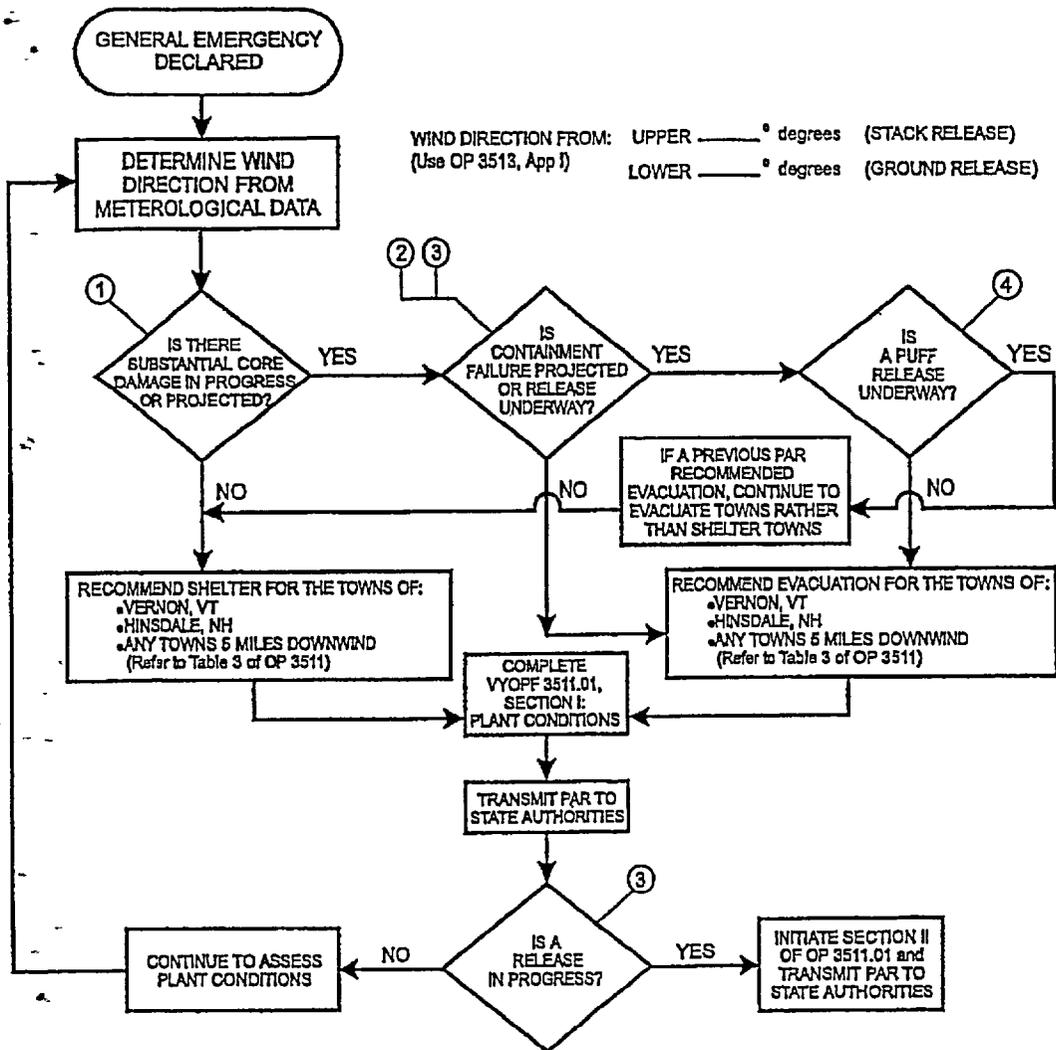
DOSE PROJECTION PROTECTIVE ACTION GUIDELINES - TOWNS 5 MILES DOWNWIND

Wind From/ Stability Class	Sector A (348° - 11°) North	Sector B (12° - 33°) NorthNorthEast	Sector C (34° - 56°) NorthEast	Sector D (57° - 78°) EastNorthEast
A, B, C (Unstable)	Vernon Hinsdale Bernardston Northfield	Guilford Vernon Hinsdale Bernardston Northfield	Guilford Vernon Hinsdale Bernardston	Guilford Vernon Hinsdale Bernardston
D (Neutral)	Vernon Hinsdale Bernardston Northfield	Vernon Hinsdale Bernardston Northfield	Guilford Vernon Hinsdale Bernardston	Guilford Vernon Hinsdale Bernardston
E, F, G (Stable)	Vernon Hinsdale Bernardston Northfield	Vernon Hinsdale Bernardston	Guilford Vernon Hinsdale Bernardston	Guilford Vernon Hinsdale Bernardston
Wind From/ Stability Class	Sector E (79° - 101°) East	Sector F (102° - 123°) EastSouthEast	Sector G (124° - 146°) SouthEast	Sector H (147° - 168°) SouthSouthEast
A, B, C (Unstable)	Guilford Vernon Hinsdale	Brattleboro Guilford Vernon Hinsdale	Brattleboro Guilford Vernon Hinsdale	Brattleboro Guilford Vernon Hinsdale
D (Neutral)	Guilford Vernon Hinsdale	Brattleboro Guilford Vernon Hinsdale	Brattleboro Guilford Vernon Hinsdale	Brattleboro Guilford Vernon Hinsdale
E, F, G (Stable)	Guilford Vernon Hinsdale	Brattleboro Guilford Vernon Hinsdale	Brattleboro Guilford Vernon Hinsdale	Brattleboro Guilford Vernon Hinsdale
Wind From/ Stability Class	Sector J (169° - 191°) South	Sector K (192° - 213°) SouthSouthWest	Sector L (214° - 236°) South West	Sector M (237° - 258°) WestSouth West
A, B, C (Unstable)	Brattleboro Vernon Hinsdale Winchester	Vernon Hinsdale Winchester	Vernon Hinsdale Winchester	Vernon Hinsdale Winchester
D (Neutral)	Brattleboro Vernon Hinsdale	Vernon Hinsdale Winchester	Vernon Hinsdale Winchester	Vernon Hinsdale Winchester
E, F, G (Stable)	Brattleboro Vernon Hinsdale	Vernon Hinsdale Winchester	Vernon Hinsdale Winchester	Vernon Hinsdale Winchester

TABLE 5 (Continued)

Wind From/ Stability Class	Sector N (259° - 281°) West	Sector P (282° - 303°) WestNorth West	Sector Q (304° - 326°) North West	Sector R (327° - 347°) NorthNorth West
A, B, C (Unstable)	Vernon Hinsdale Winchester	Vernon Hinsdale Winchester Northfield	Vernon Hinsdale Winchester Northfield	Vernon Hinsdale Bernardston Northfield
D (Neutral)	Vernon Hinsdale Winchester	Vernon Hinsdale Winchester Northfield	Vernon Hinsdale Winchester Northfield	Vernon Hinsdale Bernardston Northfield
E, F, G (Stable)	Vernon Hinsdale Winchester	Vernon Hinsdale Winchester Northfield	Vernon Hinsdale Winchester Northfield	Vernon Hinsdale Bernardston Northfield

FIGURE 1
GENERAL EMERGENCY PARs



NOTES

(1) INDICATORS OF SUBSTANTIAL CORE DAMAGE MAY INCLUDE:

- Significant Radioactive Inventory In Primary Containment
 - Containment radiation monitor readings >5000 R/hr
- Loss of Critical Functions for Core Protection
 - Reactor water level <TAF
 - ECCS not available to maintain core cooling

(2) INDICATORS OF CONTAINMENT FAILURE MAY INCLUDE:

- Drywell Pressure >42 psig and Increasing
- PCIS Failure to Isolate Containment
- Primary Containment H₂O₂ Concentration Increasing

(3) INDICATORS OF SIGNIFICANT RELEASE OF RADIOACTIVITY TO ENVIRONMENT MAY INCLUDE:

- Increasing and Elevated Stack High Range Monitor Readings
- Measurable Radiation Levels Above Background at or Beyond Site Boundary
- Extremely High and Increasing Reactor Building ARM Readings

(4) INDICATORS OF A PUFF RELEASE MAY INCLUDE:

- Predictable Release Duration for Short Time Period (e.g., Release Duration <1 Hour)
- Controlled Release Where the Timing of the Duration Is Known

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 3511, Rev. 12, Off-Site Protective Action Recommendations

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 | 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 N/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 to the procedure were to add formality. Added text to clarify when the "15 min" clock starts. This was normal practice, just added to procedure for formality. Added instructions to transfer information from form to OP 3540/46, again normal practice, just adding for formality.

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: 1/8/03
(Print/Sign)

Reviewed By: Lori A. Tkaczyk *Lori A. Tkaczyk* Date: 1/8/03
(Emergency Plan Coordinator) (Print/Sign)

REVISED PROCEDURE CONTROL FORM

PART 1 - Initiation

A. Procedure No. OP 3540	New Revision No. 2	Title Control Room Actions During An Emergency	
B. Review Criteria: <input type="checkbox"/> Partial <input type="checkbox"/> Editorial <input checked="" type="checkbox"/> Complete		C. Periodic Review Cycle: <input checked="" type="checkbox"/> 2 Year (Event Driven) <input type="checkbox"/> N/A	
D. List DIs & LPCs: #1			
E. Description and Reasons for Procedure/Changes: <ul style="list-style-type: none"> • Per AUDITRPT-2001-14_03 - Added definitions of an Alternate Communicator and Control Room Communicator. • Deleted step 1.4.1 and included wording in NOTE regarding Code Red Event. • Added step to have the Control Room request a CRC to report to Control Room. • Moved the step of contacting SSS and implement OP 3547 to earlier in procedure. • Added the step to require the preparation of VYOPF 3540.06. • Added step to have VYOPF 3540.06 faxed to the states to supplement the notification phone call. • Deleted step requiring VY State Liaison as this is a step already required when AP 0156 is implemented. • VYOPF 3540.06 page 1 of the instructions is now more detailed on how to fill out the revised 3540.06 form. Added alternate phone numbers for VT state police. Added fax numbers for all 3 states. • VYOPF 3540.06 page 2 – Added a checkbox for Upgrades. Changed the wording for a definition of a release. Added a signature line for the preparer of the form. Clarified the acknowledgements and added to notification section. Added fax notification section 			
F. Originator Name: (App. A was used as references to create this revision, App. C is completed and attached unless Part 1.B above is "Editorial".)			Telephone Extension:
(Print/sign/date) Audra Williams		<i>Audra Williams</i>	10/28/02
			x4177

PART 2 - Reviews

A. Walk-Through Validation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Field Walk-Through <input type="checkbox"/> Table-Top <input type="checkbox"/> Simulator Validation		B. Technical Verification Reviewer <input type="checkbox"/> N/A (App. B used as a reference) (Print/Sign/Date) Michael F. Empey / <i>Michael Empey</i> / 10/29/02	
C. Cross-Discipline Reviews: <input type="checkbox"/> N/A			
Department	Name	Signature	Date
Ops - Training	Dennis Deer	<i>Dennis Deer</i>	10/28/02
D. 50.59 Review Per AP 6002, Preparing 50.59 Evaluations <input type="checkbox"/> N/A <input checked="" type="checkbox"/> 50.59 AD previously performed and documented in the text of this procedure and is still applicable. <input type="checkbox"/> 50.59 Applicability Determination completed and attached; 50.59 Screening NOT required. <input type="checkbox"/> 50.59 Review Screening completed and attached, 50.59 Evaluation NOT required. <input type="checkbox"/> 50.59 Evaluation completed and attached.			
E. QUALIFIED REVIEWER: Use App. D as a reference (May perform 50.59 Applicability Determination) (Part 2.D) (Print/Sign/Date) <i>Audra Williams</i> Audra Williams 10.28.02			

VERMONT YANKEE NUCLEAR POWER STATION

OPERATING PROCEDURE

OP 3540

REVISION 2

CONTROL ROOM ACTIONS DURING AN EMERGENCY

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages

Implementation Statement: N/A

Issue Date: 01/20/03

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PURPOSE

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

DISCUSSION

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

REFERENCES AND COMMITMENTS

1. Technical Specifications and Site Documents
 - a. Vermont Yankee Nuclear Power Station Emergency Plan
2. Codes, Standards and Regulations
 - a. None
3. Commitments
 - a. UND-98012_01

4. Supplemental References

- a. AP 0009, Event Reports
- b. AP 0010, Situational Reporting Requirements
- c. AP 0021, Work Orders
- d. AP 0156, Notification of Significant Events
- e. AP 0864, Fitness for Duty
- f. AP 3125, Emergency Plan Classification and Action Level Scheme
- g. OP 3132, Operations Department Response to Security Events
- h. OP 3504, Emergency Communications
- i. OP 3507, Emergency Radiation Exposure Control
- j. OP 3508, On-Site Medical Emergency Procedure
- k. OP 3511, Off-Site Protective Action Recommendations
- l. OP 3513, Evaluation of Off-Site Radiological Conditions
- m. OP 3531, Emergency Call-in Method
- n. OP 3541, Activation of the Technical Support Center (TSC)
- o. OP 3542, Operation of the Technical Support Center (TSC)
- p. OP 3544, Operation of the Operations Support Center (OSC)
- q. OP 3545, Activation of the Emergency Operations Facility/Recover Center (EOF/RC)
- r. OP 3546, Operation of the Emergency Operations Facility/Recover Center (EOF/RC)
- s. OP 3547, Security Actions During an Emergency
- t. AP 6807, Collection, Temporary Storage and Retrieval of QA Records

PRECAUTIONS/LIMITATIONS

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

DEFINITIONS

1. Alternate Communicator: this position will be filled by a qualified Shift Engineer as indicated on Appendix O of the Emergency Call-In List. Alternate Communicators are expected to be able to gather data, fill out appropriate forms, communicate information over the phone to appropriate officials and make plant announcements.
2. Control Room Communicator: (CRC): this position will be filled by a Chemistry Technician. CRCs are expected to communicate information over the phone to appropriate officials and make plant announcements.

PROCEDURE

NOTES

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

PED Name (print): _____

Date: _____

Time/Date

Initials

1.0 Immediate Actions

1.1. It has been determined that an EAL has been reached per AP 3125. Record EAL level, time and date of entry below.

U _____ / _____
 A _____ / _____
 S _____ / _____
 G _____ / _____

1.2. IF a GENERAL EMERGENCY, THEN implement OP 3511, Off-Site Protective Action Recommendations.

G _____ / _____

1.3. If a release is in progress or expected, ensure that OP 3513, Evaluation of Off-Site Radiological Conditions, is implemented by the SS/PED or Radiological Assistant or their qualified designee.

A _____ / _____
 S _____ / _____
 G _____ / _____

- | | <u>Time/Date</u> | <u>Initials</u> |
|---|--|----------------------------------|
| 1.4. Determine the immediate personnel response to be taken. | U _____ / _____
A _____ / _____
S _____ / _____
G _____ / _____ | _____

_____ |
| 1.5. Call the Security Shift Supervisor to implement OP 3547, Security Actions During An Emergency. | (circle one)
U A S G
_____ / _____ | _____
_____ |

NOTES

IF an emergency classification is entered due to a security condition, THEN staffing facilities and performing accountability may put personnel at risk. Therefore, during a Code Red Event:

- the alarm tone shall not be sounded,
- personnel shall not be directed to their facilities and,
- the Gai-Troncis announcement will not be made.

- | | | |
|---|--|----------------------------------|
| 1.6. Request Control Room Communicator (CRC) to report to Control Room | (circle one)
U A S G
_____ / _____ | _____
_____ |
| 1.7. Prepare Gai-Tronics announcement for applicable emergency classification. (VYOPF 3540.01-05) | U _____ / _____
A _____ / _____
S _____ / _____
G _____ / _____ | _____

_____ |
| 1.8. Make Gai-Tronics announcement. | U _____ / _____
A _____ / _____
S _____ / _____
G _____ / _____ | _____

_____ |

	<u>Time/Date</u>	<u>Initials</u>
1.9. Request that extra Operations personnel report to the Control Room or OSC per PED request.	/	
1.10. Direct the Security Shift Supervisor (SSS) to request an Alternate Communicator to report to the Control Room per OP 3531, Emergency Call-In Method, as warranted.	/	

NOTES

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

1.11. Prepare VYOPF 3540.06, Emergency Classification and PAR Notification/Upgrade Form for applicable emergency classification.	U	/	
	A	/	
	S	/	
	G	/	
1.12. Notify VT/NH/MA State Police Agencies per VYOPF 3540.06.	U	/	
	A	/	
	S	/	
	G	/	
1.13. IF commercial telephone service is degraded, THEN instruct Communicator to inform the States of this condition and request that all State call-back communications should occur through the NAS-Orange Phone. (Use Remarks section of VYOPF 3540.06 to note directive.)	U	/	
	A	/	
	S	/	
	G	/	

	<u>Time/Date</u>	<u>Initials</u>	
1.14. Fax copy of VYOPF 3540.06 to each State to supplement phone call.	U _____ / _____	_____	
	A _____ / _____	_____	
	S _____ / _____	_____	
	G _____ / _____	_____	
1.15. After completion of the State's notification, SS/PED acknowledges that the States' notification has been completed.	U _____ / _____	_____	
	A _____ / _____	_____	
	S _____ / _____	_____	
	G _____ / _____	_____	
1.16. Record call-back from State officials concerning plant conditions:	VT Official _____	U _____ / _____	_____
	VT Official _____	A _____ / _____	_____
	VT Official _____	S _____ / _____	_____
	VT Official _____	G _____ / _____	_____
	NH Official _____	U _____ / _____	_____
	NH Official _____	A _____ / _____	_____
	NH Official _____	S _____ / _____	_____
	NH Official _____	G _____ / _____	_____
	MA Official _____	U _____ / _____	_____
	MA Official _____	A _____ / _____	_____
	MA Official _____	S _____ / _____	_____
	MA Official _____	G _____ / _____	_____
	1.17. IF State officials have not made contact with the plant within one hour, THEN recall State Police by utilizing the appropriate NAS-Orange Phone number or commercial telephone back-up number listed on VYOPF 3540.06. Record contact above.		
1.18. IF the SRM or TSC Coordinator has not assumed overall responsibility for the response effort, and conditions indicate that escalation is necessary, THEN the SS/PED proceeds with the notification for the new emergency classification by repeating those steps, 1 through 1.17, that have multiple event level sign-offs.	A _____ / _____	_____	
	S _____ / _____	_____	
	G _____ / _____	_____	

Time/Date

Initials

NOTE

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

- | | | |
|---|--|----------------------------------|
| 1.19. Prepare message for NRC using VYAPF 0156.01. | U _____ / _____
A _____ / _____
S _____ / _____
G _____ / _____ | _____

_____ |
| 1.20. Notify NRC Headquarters on the FTS Emergency Notification System (ENS) phone by dialing the first number listed below, using all 11 digits. If the first number is busy, use the second, etc.

1-301-816-5100
1-301-951-0550
1-301-415-0550 | U _____ / _____
A _____ / _____
S _____ / _____
G _____ / _____ | _____

_____ |
| 1.21. IF contact cannot be established using the FTS System, THEN call the NRC Operations Center via the commercial telephone system, using (in the order listed), one of the telephone numbers listed above and inform the NRC Operations Center of the problem with the FTS System. | U _____ / _____
A _____ / _____
S _____ / _____
G _____ / _____ | _____

_____ |
| 1.22. Upon establishing communications, provide message using VYAPF 0156.01, Event Notification Worksheet. | U _____ / _____
A _____ / _____
S _____ / _____
G _____ / _____ | _____

_____ |
| 1.23. IF desired by NRC Headquarters, THEN maintain an open and continuous communications channel, until relieved by the TSC staff or until continuous communications are no longer necessary. | _____ / _____ | _____ |
| 1.24. When contacted by the Public Affairs Department, provide a brief description of the event (e.g., Plant power level? Involvement of outside agencies? Injuries?). | U _____ / _____
A _____ / _____
S _____ / _____
G _____ / _____ | _____

_____ |

PA Contact Name: _____ Time: _____

	<u>Time/Date</u>	<u>Initials</u>
1.25. When contacted by the TSC Coordinator or EOF Coordinator provide information on event classification and plant conditions.	U _____ / _____	_____
	A _____ / _____	_____
	S _____ / _____	_____
	G _____ / _____	_____
1.26. Request SSS contact outside agencies for assistance (fire, law enforcement, or medical rescue personnel and related equipment) as needed to deal with the event.		
Fire	_____ / _____	_____
Medical	_____ / _____	_____
Law Enforcement (in conjunction with the Security Shift Supervisor)	_____ / _____	_____
1.27. Initiate and coordinate the initial on-site assistance team activities (until relieved by TSC Coordinator) as follows:		
1.27.1. Prioritize job tasks to mitigate and control the emergency condition.	_____ / _____	_____
1.27.2. Ensure that the applicable work control process defined in AP 0021, Work Orders, is used.	_____ / _____	_____
1.27.3. Authorize emergency dose commitments for required job tasks in accordance with OP 3507, Emergency Radiation Exposure Control.	A _____ / _____	_____
	S _____ / _____	_____
	G _____ / _____	_____
1.27.4. Brief the TSC Coordinator on job tasks initiated, and continue to coordinate job priorities with the TSC Coordinator.	U _____ / _____	_____
	A _____ / _____	_____
	S _____ / _____	_____
	G _____ / _____	_____
1.28. Verify the Vermont Yankee State Liaison Engineer has been notified per AP 0156	U _____ / _____	_____

Time/Date

Initials

2.0 Subsequent Actions

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

U _____ / _____
A _____ / _____
S _____ / _____

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

G _____ / _____

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

2.3.1. Escalation of the emergency.

NOTE

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

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

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

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

Time/Date

Initials

2.4. Record the time when and the name of either the TSC Coordinator or SRM who calls to assume the responsibility for implementation of the VY Emergency Plan.

TSCC called at: _____

(circle one)
U A S G

TSCC name: _____

_____/_____

SRM called at: _____

(circle one)
U A S G

SRM name: _____

_____/_____

2.5. Record time when the TSC Coordinator calls to assume responsibility for the deployment of the AOs.

TSCC called at: _____

(circle one)
U A S G

_____/_____

2.6. In concert with the TSC Coordinator and the Site Recovery Manager, provide information to assist with the final closeout of the emergency condition.

_____/_____

FINAL CONDITIONS

1. When the event conditions no longer exist, as approved by the TSC Coordinator, or Site Recovery Manager, announce on the plant page system that the event is terminated.

_____/_____

2. Summarize all actions and resultant conditions in the Shift Supervisor's Log.

_____/_____

3. Forward a completed copy of this procedure to the Emergency Plan Coordinator for filing in accordance with AP 6807.

_____/_____

APPENDIX A

STATES AND NRC EMERGENCY NOTIFICATION FOR A CONTROL ROOM EVACUATION EVENT

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

STATE NOTIFICATION INSTRUCTIONS:

1. Prepare the State Notification Form (VYOPF 3540.07).
2. Obtain and enter wind speed and wind direction on VYOPF 3540.07 by using one of the following methods:

Method 1 - MET Data History 1 on ERFIS PC Monitor

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

Method 2 - ERFIS Backup Information System on CVAX

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

NOTE

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

Method 3 - Albany National Weather Service (NWS)

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

APPENDIX A (Continued)

3. Use the prepared message (VYOPF 3540.07) and make States notification as follows:
 - a. Contact each State using appropriate commercial telephone numbers listed below:
VT STATE POLICE: 9-1-802-244-8727 or 9-1-802-257-7101 or 9-1-802-875-2112
NH STATE POLICE: 9-1-603-271-3636
MA STATE POLICE: 9-1-413-584-3000
 - b. After transmittal of message, ensure that all appropriate information is recorded.
 - c. Monitor and receive expected commercial telephone verification of emergency declaration from State authorities.
4. After all States' notifications are completed, immediately continue with NRC notifications.

NRC NOTIFICATION INSTRUCTIONS

NOTE

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

1. Use the FTS NRC Emergency Notification System (ENS) phone (labeled #41) located in the southwest corner of the TSC Communications Room.
2. Notify the NRC on the FTS ENS phone as follows:
 - a. Lift the receiver on the telephone and listen for dial tone
 - b. After receiving a dial tone, dial the first number listed below using all 11 digits. If the first number is busy, then use the second, etc.

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

NOTE

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

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

APPENDIX A (Continued)

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

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

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

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

_____ (Notification time)

- f. If desired by the NRC, maintain an open and continuous communications channel, until relieved by the TSC staff or until continuous communications are no longer necessary.
- g. Notify Shift Supervisor when notifications have been completed.

UNUSUAL EVENT ANNOUNCEMENT

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

_____/_____/_____
SS/PED Authorization (print/sign) Date Time

2. Turn the PAGE SYS VOLUME INCREASE switch to the ALERT position.
3. Turn the ALARM TONE CONTROL switch to the ON position for 10 seconds then return to the OFF position.

NOTE
Do not make plant announcement during a Code Red event.

4. Make the following Gai-Tronics announcement:

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

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

(describe conditions and affected areas) _____

_____.

The following personnel (if applicable) _____
_____ report to _____.

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

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

ALERT ANNOUNCEMENT

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

_____/_____/_____
SS/PED Authorization (print/sign) Date Time

2. Turn the PAGE SYS VOLUME INCREASE switch to the ALERT position.
3. Turn the ALARM TONE CONTROL switch to the ON position for 10 seconds then return to the OFF position.

NOTE
Do not make plant announcement during a Code Red event.

4. Make the following Gai-Tronics announcement:

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

An ALERT has been declared at _____ hours due to:

(describe conditions and affected areas) _____

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

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

SITE AREA EMERGENCY ANNOUNCEMENT

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

_____/_____/_____
SS/PED Authorization (print/sign) Date Time

2. Turn the PAGE SYS VOLUME INCREASE switch to the EVACUATE position.
3. Turn the ALARM TONE CONTROL switch to the ON position for 10 seconds then return to the OFF position.

NOTE
Do not make plant announcement during a Code Red event.

4. Make the following Gai-Tronics announcement:

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

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

(describe conditions and affected areas) _____

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

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

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

GENERAL EMERGENCY ANNOUNCEMENT

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

SS/PED Authorization (print/sign)	/	/
	Date	Time

2. Turn the PAGE SYS VOLUME INCREASE switch to the EVACUATE position.
3. Turn the ALARM TONE CONTROL switch to the ON position for 10 seconds then return to the OFF position.

NOTE
Do not make plant announcement during a Code Red event.

4. Make the following Gai-Tronics announcement:

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

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

(describe conditions and affected areas) _____

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

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

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

EMERGENCY CLASSIFICATION AND PAR NOTIFICATION/UPGRADE FORM

VYOPF 3540.06 INSTRUCTIONS

STATES NOTIFICATION MUST BE INITIATED WITHIN 15 MINUTES OF DECLARATION.

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.
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 numbers(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	
NAS - ORANGE PHONE GROUP CALL	VT/NH/MA STATE POLICE 111		VT/NH/MA STATE EOCs 333	
NAS INDIVIDUAL STATION CALL	VT STATE POLICE	213	VT STATE EOC	314
	NH STATE POLICE	212	NH STATE EOC	311
	MA STATE POLICE	210	MA STATE EOC	313

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	VT	802-241-5556
	NH	603-271-1153	NH	603-225-7341
	MA	413-587-5675 OR 413-584-9981	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) C. At the present time, we recommend the following protective actions:

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

- None As Follows

at _____ hours due to AP 3125 EAL
alpha-numeric designator _____.

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

State	Town	Shelter	Evac
VT	Brattleboro	<input type="checkbox"/>	<input type="checkbox"/>
	Dummerston	<input type="checkbox"/>	<input type="checkbox"/>
	Gulford	<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"/>
Hinsdale		<input type="checkbox"/>	<input type="checkbox"/>
Richmond		<input type="checkbox"/>	<input type="checkbox"/>
Swanzey		<input type="checkbox"/>	<input type="checkbox"/>
Winchester		<input type="checkbox"/>	<input type="checkbox"/>
MA		Bernardston	<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"/>	

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.

D. Follow your State procedures for the designated Classification

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 _____
Acknowledge 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:

STATES NOTIFICATION FOR A CONTROL ROOM EVACUATION

NOTE

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

VT State Police: 9-1-802-244-8727 or 9-1-802-257-7101 or 9-1-802-875-2112
NH State Police: 9-1-603-271-3636
MA State Police: 9-1-413-584-3000

Time Notification initiated: VT _____ NH _____ MA _____

NOTE

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

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

- a) We have declared a Site Area Emergency at _____ hours due to an Evacuation of the Control Room. (S-8-d)
- b) The Plant is shut down. (Use unless better information is known.)
- c) A release is not expected to occur. (Use unless better information is known.)
- d) Present meteorological conditions: wind speed is _____ mph and wind direction is from _____ degrees.
- e) At the present time, we recommend the following protective actions: NONE
- f) Follow your State procedures for the designated classification.

PLEASE NOTE:

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

MESSAGE ACKNOWLEDGEMENTS: (Record information)

Receipt by (print/sign): _____

VT Name: _____	Time: _____
NH Name: _____	Time: _____
MA Name: _____	Time: _____

REMARKS:

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 3540, Rev. 2, Control Room 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 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 | <input checked="" type="radio"/> NO |
| (2) Section IV. B - Assessment Actions | YES | <input checked="" type="radio"/> NO |
| (3) Section IV. C - Activation of Emergency Organizations | YES | <input checked="" type="radio"/> NO |
| (4) Section IV. D - Notification Procedures | <input checked="" type="radio"/> YES | NO |
| (5) Section IV. E - Emergency Facilities and Equipment | YES | <input checked="" type="radio"/> NO |
| (6) Section IV. F - Training | YES | <input checked="" type="radio"/> NO |
| (7) Section IV. G - Maintaining Emergency Preparedness | YES | <input checked="" type="radio"/> NO |
| (8) Section IV. H - Recovery | YES | <input checked="" type="radio"/> NO |

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 (b) (5) & (6) and App. E (4) Section IV. D of Section A above, this change (~~DOES/DOES NOT~~) decrease the effectiveness of the Emergency Plan and (~~DOES/DOES NOT~~) continue to meet the stated applicable standard or requirement.

BASIS FOR ANSWER:

Changes made were for adding formality to the procedure. Steps were proceduralized that were already being implemented. Communicator responsibilities did not change, just definitions were added for clarification. Faxing to each of the states is in addition to the phone call for notification already being implemented, it does not change or supercede any actions already being taken.

Notification/PAR form section A added an option to choose an upgrade to a PAR. This is an enhancement and does not change any information already being distributed. Further defined the "release" section to make it attributable to the event.

None of the changes made to this procedure decrease the effectiveness of the EPlan and 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 3546

Section(s) affected: VYOPF 3546.02

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: 11/6/02
(Print/Sign)

Reviewed By: Lori A. Traczyk *Lori A. Traczyk* Date: 11/12/02
(Emergency Plan Coordinator) (Print/Sign)

REVISED PROCEDURE CONTROL FORM

PART 1 - Initiation

A. Procedure No. OP 3546	New Revision No. 2	Title Operation of the EOF/RC	
B. Review Criteria: <input type="checkbox"/> Partial <input type="checkbox"/> Editorial <input checked="" type="checkbox"/> Complete		C. Periodic Review Cycle: <input checked="" type="checkbox"/> 2 Year (Event Driven) <input type="checkbox"/> N/A	
D. List DIs & LPCs: 1 & 2			
E. Description and Reasons for Procedure/Changes: <ul style="list-style-type: none"> • Per Critique comments: broke each of the SRM responsibilities into separate Appendices. • Changed the Tech Rep Checklist from a form to an Appendix. • Change all references from the News Media Center (NMC) to Joint News Center (JNC). • Clarified the step for EOFC of who briefs the staff (Ops Advisor) – formality. • Added specific logs that EOFC is suppose to review. • Per critique comment: moved the Personnel & Equip Monitoring logbook & clipboard to the Sprinkler room. • Moved the Manpower & Planning equipment to the Sprinkler room. • Per critique comment: Added step for M/P Assistant to attend briefings in EOF and brief personnel in lobby (including the security guard). • Added a note that the front lobby doors are not to be blocked open. • Moved responsibility of filling out the notification PAR form (VYOPF 3546.02) from Ops Advisor to Compliance Advisor formality. • Added guidance to State Advisor responsibilities for those States whose representatives have not yet arrived, provide informational updates to their State EOC's until their arrival at Vermont Yankee. • Per critique comments: Added to the Media Advisor responsibilities to make announcement of EOF Activation and time synchronization over PA system. Any subsequent announcements should be preceded by the current time. • Per critique comments: More clearly defined the Media Advisor Assistant responsibilities – formality. • Per critique comments: Updated the Rad Coordinator responsibilities to reflect actual practices – formality. • Revised a step in the Facilities responsibilities acknowledging that some areas will synchronize their own clocks. • Removed the Eng Equipment Location appendix and put it in OP 3545. • Modified VYOPF 3546.01, Plant Status Briefing Form, per critique comments and feedback. Added section for State Protective Actions. • Modified VYOPF 3546.02, Emergency Classification And Par Notification/ Upgrade Form to include Upgrade information (ER-2001-2099_01), better definition of a release (E_DRILL-2001-GEN-6_06), required signature by the person filling out form, moved the acknowledgement name to time notification section. Added fax numbers and a sign off section for faxing the form to each of the States (E_DRILL-2001-GEN-4_01). • Changed Personnel Monitoring to 2 people on Table 1. 			
F. Originator Name: (App. A was used as references to create this revision, App. C is completed and attached unless Part 1.B above is "Editorial".)			Telephone Extension:
(Print/sign/date) Audra Williams		<i>Audra Williams</i>	11/8/02 x4177

PART 2 - Reviews

A. Walk-Through Validation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Field Walk-Through <input type="checkbox"/> Table-Top <input type="checkbox"/> Simulator Validation	B. Technical Verification Reviewer <input type="checkbox"/> N/A (App. B used as a reference) 1/9/03 (Print/Sign/Date) <i>Lori H. Traczyk</i>
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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

Implementation Statement: N/A

Issue Date: 01/20/03

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PURPOSE

To outline the operation of the Emergency Operations Facility/Recovery Center (EOF/RC).

DISCUSSION

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

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

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

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

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

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

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

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

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

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

Emergency Classification and PAR Notification/Upgrade Form (VYOPF 3546.02) specifies the contents and formal States notifications of emergency classifications and protective action recommendations (PARs) by Vermont Yankee, and is used by the Control Room or SRM in the authorization and transmittal of these notifications. Prior to the SRM assuming responsibility for the emergency response, the TSC Coordinator can authorize escalations and PARs, but the Control Room retains transmittal responsibilities to off-site agencies.

In 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 Recovery Manager (SRM)
2. Appendix B Emergency Operations Facility Coordinator (EOFC)
3. Appendix C Emergency Operations Facility Coordinator's Assistant
4. Appendix D Personnel & Equipment Monitoring Team
5. Appendix E Communications Assistant
6. Appendix F Radiological Assistant
7. Appendix G Manpower and Planning Assistant
8. Appendix H Engineering Support Group Assistant
9. Appendix I Ops Advisor Responsibilities
10. Appendix J State Advisor Responsibilities
11. Appendix K Compliance Advisor Responsibilities
12. Appendix L JNC Technical Representative Responsibilities
13. Appendix M Media Advisor and Media Advisor Assistant Responsibilities
14. Appendix N Radiological Coordinator Responsibilities
15. Appendix O State Liaison Responsibilities
16. Appendix P Facilities Coordinator Responsibilities
17. Appendix Q Telecommunications Coordinator Responsibilities
18. Appendix R Response Check of RM-14/Frisker Probe
19. Appendix S Technical Representative Escalation Checklist/Script
20. VYOPF 3546.01 Plant Status Briefing Form
21. VYOPF 3546.02 Emergency Classification and PAR Notification/Upgrade Form
22. VYOPF 3546.03 Instructions to Personnel Prior to Being Released from the Assembly Area
23. VYOPF 3546.04 Deleted
24. Table 1 Radiological Assistant's Organization
25. Table 2 White Plains Recovery Support Group Corporate Call List

REFERENCES AND COMMITMENTS

1. Technical Specifications and Site Documents
 - a. Vermont Yankee Nuclear Power Station Emergency Plan
2. Codes, Standards and Regulations
 - a. None
3. Commitments
 - a. INS8722-01
 - b. E_Drill-98EOF3
 - c. LAI-801
 - d. EPEX97TSC-2

4. Supplemental References

- a. AP 0009, Event Reports
- b. AP 0010, Situational Reporting Requirements
- c. AP 0021, Work Orders
- d. AP 0156, Notification of Significant Events
- e. AP 0864, Fitness for Duty
- f. AP 3125, Emergency Plan Classification and Action Level Scheme
- g. OP 3504, Emergency Communications
- h. OP 3507, Emergency Radiation Exposure Control
- i. OP 3508, On-Site Medical Emergency Procedure
- j. OP 3509, Environmental Sample Collection During an Emergency
- k. OP 3510, Off-Site and Site Boundary Monitoring
- l. OP 3511, Off-Site Protective Action Recommendations
- m. OP 3513, Evaluation of Off-Site Radiological Conditions
- n. OP 3531, Emergency Call-In Method
- o. OP 3540, Control Room Actions During an Emergency
- p. OP 3541, Activation of the Technical Support Center (TSC)
- q. OP 3542, Operation of the Technical Support Center (TSC)
- r. OP 3544, Operation of the Operations Support Center (OSC)
- s. OP 3545, Activation of the Emergency Operations Facility/Recovery Center (EOF/RC)
- t. OP 3547, Security Actions During an Emergency
- u. AP 6807, Collection, Temporary Storage and Retrieval of QA Records
- v. PP 7019, Severe Accident Management Program

PRECAUTIONS/LIMITATIONS

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

PROCEDURE

NOTE

With the exception of authorizing Protective Action Recommendations and classifications, actions required in each appendix may be assigned by the responsible individual to other personnel as appropriate. The designated individual, however, has the overall responsibility for the execution of the appendix.

1. Select the appropriate appendix:
 - a. Appendix A, Site Recovery Manager (SRM)
 - b. Appendix B, Emergency Operations Facility Coordinator (EOFC)
 - c. Appendix C, Emergency Operations Facility Coordinator's Assistant
 - d. Appendix D, Personnel & Equipment Monitoring Team
 - e. Appendix E, Communications Assistant
 - f. Appendix F, Radiological Assistant
 - g. Appendix G, Manpower and Planning Assistant
 - h. Appendix H, Engineering Support Group Assistant
 - i. Appendix I, Ops Advisor Responsibilities
 - j. Appendix J, State Advisor Responsibilities
 - k. Appendix K, Compliance Advisor Responsibilities
 - l. Appendix L, JNC Technical Representative Responsibilities
 - m. Appendix M, Media Advisor and Media Advisor Assistant Responsibilities
 - n. Appendix N, Radiological Coordinator Responsibilities
 - o. Appendix O, State Liaison Responsibilities
 - p. Appendix P, Facilities Coordinator Responsibilities
 - q. Appendix Q, Telecommunications Coordinator Responsibilities
 - r. Appendix R, Response Check of RM-14/Frisker Probe
 - s. Appendix S, Technical Representative Escalation Checklist/Script

NOTES

- Some spaces have multiple signature lines, based on event level. The step should be initialed for each event level it is completed for. If an event escalates, each step with that designator should be rechecked to ensure no further action is required.
- Steps may be performed concurrently or out of sequence.

2. Complete the appropriate appendix and record time and initials as required.

3. Alternate Assembly and Staging Area

- a. If a Code Red Security Event occurs during off-hours, the Emergency Operations Facility will be used as an alternate assembly and staging area for personnel who would normally report to emergency response facilities at the plant site. A pager code of "777" and a Community Alert Message notifies personnel to report to the EOF in an off-hours Code Red Security Event.
- b. The warehouse (Joint News Center) will be used for the alternate assembly and staging area. The Joint News Center will be relocated in a Code Red Security Event occurring after hours.
- c. EOF staff will activate the EOF per procedure. TSC/OSC personnel arriving at the EOF will be directed to the alternate assembly and staging area. Personnel will sign in at the assembly area to provide an available manpower list.
- d. The TSC Coordinator and OSC Coordinator will organize response teams based on the nature of the emergency and release second shift personnel.

FINAL CONDITIONS

1. Return all completed Appendices and forms to the Emergency Plan Coordinator for filing per AP 6807.

APPENDIX A

SITE RECOVERY MANAGER (SRM)

SRM Name (print): _____

Date: _____

	<u>Time/Date</u>	<u>Initials</u>
1.0 Obtain overall status of emergency situation. Ensure that VYOPF 3546.01, "Plant Status Briefing Form" is filled out and is current. (INS8722-01)	(circle one) A S G _____ / _____	_____

NOTES

- SS/PED retains responsibility for off-site States' notification (NAS-Orange Phone) until Site Recovery Manager assumes responsibility for implementation of VY Emergency Plan.
- TSC Coordinator or SS/PED (if applicable) retains responsibility for off-site NRC authorities' notification (FTS ENS Phone) unless Site Recovery Manager indicates otherwise.
- In a Code Red Security Event, when the Control Room and TSC is not able, the Site Recovery Manager will assume responsibility for the off-site NRC notification (FTS ENS phone).

2.0 Contact the TSC Coordinator or SS/PED (if applicable) when ready to assume overall responsibility for the implementation of the VY Emergency Plan. This includes the following primary responsibilities:		
2.1 Escalation or de-escalation of the emergency.	(circle one) A S G _____ / _____	_____
2.2 Notification of off-site States' authorities. (NAS-Orange Phone)	(circle one) A S G _____ / _____	_____
2.3 Authorization and transmittal of off-site protective action recommendations.	(circle one) A S G _____ / _____	_____

APPENDIX A (Continued)

Time/Date

Initials

3.0 Assign EOF Coordinator:

Name: _____ / _____

NOTE

Minimum Staffing for activation (see white board in SRM office area):

Site Recovery Manager
 EOF Coordinator
 EOF Coordinator Assistant
 Radiological Assistant
 Communication Assistant
 Compliance Advisor
 Ops Advisor #1

4.0 Inform the EOF Coordinator, the SS/PED, TSC Coordinator, and the States representatives that the EOF/RC is activated. _____ / _____

5.0 IF a GENERAL EMERGENCY, THEN implement OP 3511, Off-Site Protective Action Recommendations. G _____ / _____

6.0 If a release is in progress or expected, ensure that OP 3513, Evaluation of Off-Site Radiological Conditions, is implemented by the Radiological Assistant. (circle one)
 A S G
 _____ / _____

7.0 Act as the principal plant emergency response organization spokesperson in all interfacing with off-site authorities.

8.0 Act, or designate an individual, as the official point of contact for communications and information to the States. (SRM State Advisor) (circle one)
 A S G
 Name: _____ / _____

9.0 Contact the PED to ensure that the States have called back to affirm receipt of initial notification, if not re-contact the States. (SRM State Advisor) (circle one)
 A S G
 _____ / _____

10.0 Ensure that the State representatives at the EOF are updated on the status of the emergency periodically. (SRM State Advisor)

APPENDIX A (Continued)

	<u>Time/Date</u>	<u>Initials</u>
11.0 Assess plant conditions as reported by the response organization and direct that all needed response efforts are addressed.		
12.0 Ensure PED makes a single (initial) ISO notification. (Ops Advisor #1)	(circle one) A S G	
	_____ / _____	_____
13.0 Depending upon the duration of the emergency, instruct the Purchasing Coordinator to make arrangements for food and potable water delivery to all emergency response centers, including off-site teams. (Purchasing Coordinator)		
	_____ / _____	_____
14.0 Ensure that manpower planning is being conducted to provide for response efforts over an extended period. (Manpower & Planning Asst.)		
	_____ / _____	_____
15.0 Review and approve, or have designated alternate review and approve, periodic news releases prepared by the Nuclear Information Director or designated alternate prior to release.		
	_____ / _____	_____
16.0 IF conditions warrant escalation to a more severe emergency class, THEN the Site Recovery Manager should, following discussion and concurrence with the TSC Coordinator and SS/PED, complete the following actions in the order identified below:		
16.1. IF there is an escalation to a GENERAL EMERGENCY, implement OP 3511, Off-Site Protective Action Recommendations.	G _____ / _____	_____
16.2. Direct the SS/PED to make the appropriate plant announcement.	A _____ / _____ S _____ / _____ G _____ / _____	_____ _____ _____

APPENDIX A (Continued)

Time/Date

Initials

NOTE

States' notification must be initiated within 15 minutes of emergency classification declaration.

- | | | | |
|-------|--|---|-------------------------|
| 16.3. | Ensure that the notification of the VT/NH/MA State EOCs is being implemented per VYOPF 3546.02, Emergency Classification and PAR Notification/Upgrade Form. (Compliance Advisor) | S _____ / _____
G _____ / _____ | _____ |
| 16.4. | If any State EOC is not manned, and the EOF/RC State representative is not present, notify the appropriate State Police agency per VYOPF 3546.02. (Compliance Advisor) | S _____ / _____
G _____ / _____ | _____ |
| 16.5. | Inform each EOF/RC State representative of the transition on the emergency class and the condition producing the change. (SRM State Advisor) | A _____ / _____
S _____ / _____
G _____ / _____ | _____

_____ |
| 16.6. | After completion of the State's notification, SRM acknowledges that the States' notification has been completed. | A _____ / _____
S _____ / _____
G _____ / _____ | _____

_____ |
| 16.7. | Notify White Plains Recovery Support Group Managers of escalation per Table 2. | A _____ / _____
S _____ / _____
G _____ / _____ | _____

_____ |
| 17.0 | IF the State of Vermont issues an evacuation order for Brattleboro, THEN contact the Nuclear Information Director and discuss impact on the Joint News Center (JNC). | (circle one)
S G

_____ / _____ | _____ |
| 18.0 | IF a decision is made to evacuate the JNC, THEN announce that, as a precautionary measure, all declared pregnant staff should evacuate the EOF. (E_Drill-98EOF3) | (circle one)
S G

_____ / _____ | _____ |
| 19.0 | Ensure VYOPF 3546.01 is faxed to the TSC to update the TSC Coordinator of any protective actions the States may be implementing. (Media Advisor Assistant) | | |

APPENDIX A (Continued)

FINAL CONDITIONS

Time/Date

Initials

1. IF the following criteria are satisfied, THEN De-escalation from an emergency phase to a recovery phase is warranted:

a. Criticality controls are in effect.

_____ / _____

b. The core is being adequately cooled.

_____ / _____

c. The fission product release has been controlled.

_____ / _____

d. Control has been established over containment pressure and temperature.

_____ / _____

e. An adequate heat transfer path to an ultimate heat sink has been established.

_____ / _____

f. Reactor coolant system pressure is under control.

_____ / _____

g. The States of Vermont, New Hampshire, and Massachusetts reach agreement with the Site Recovery Manager or designated alternate that there is no longer a need for consideration of further public protective action.

_____ / _____

APPENDIX A (Continued)

	<u>Time/Date</u>	<u>Initials</u>
2. IF conditions warrant de-escalation to a recovery phase, THEN the Site Recovery Manager completes the following actions in the order identified below:		
a. Review plant conditions with each State official stationed at the EOF/RC and recommend de-escalation.	/	
b. Contact the respective State EOC via the Nuclear Alert System (NAS - Orange Phone) or land line. IF any State EOC is not manned, THEN notify the respective State Police Dispatcher via the NAS Orange Phone or land line and request a State Emergency Management official call the Site Recovery Manager via the NAS Orange Phone or land line as soon as possible.	/	
c. After an agreement has been reached with the States, direct the SS/PED to make the appropriate plant announcement.	/	
3. Notify the Nuclear Information Director, or designated alternate, de-escalation or termination of the event has occurred.	/	
4. Devise a recovery plan applicable to the plant condition(s) following the termination of the emergency phase.	/	
5. Provide a verbal close-out of the event with off-site authorities and agencies as follows:		
a. NRC	/	
b. State of Vermont	/	
c. State of New Hampshire	/	
d. Commonwealth of Massachusetts	/	
6. Site Recovery Manager will notify White Plains Recovery Managers of de-escalation to a recovery phase per Table 2.	/	

APPENDIX A (Continued)

	<u>Time/Date</u>	<u>Initials</u>
7. Initiate an Event Report per AP 0009 for the event that resulted in the declaration of the emergency.	_____ / _____	_____

<p style="text-align: center;"><u>NOTE</u></p> <p style="text-align: center;">Emergency Planning will sign off step 8.</p>

8. When a written report is generated, ensure a copy is forwarded to the Emergency Plan Coordinator for the following off-site authorities:		
a. Director of Vermont Emergency Management, State of VT	_____ / _____	_____
b. Director of Massachusetts Emergency Management, Commonwealth of MA	_____ / _____	_____
c. Director of New Hampshire Emergency Management, State of NH	_____ / _____	_____

APPENDIX B

EMERGENCY OPERATIONS FACILITY COORDINATOR (EOFC)

EOF Coordinator Name (print): _____

Date: _____

Time/Date

Initials

NOTE

Coordination with the EOFC Assistant is required to determine which steps may have already been completed.

- 1.0 Contact the Security Manager (if outside of normal hours), to ensure that arrangements are made to perform Fitness-For-Duty testing at the EOF. _____ / _____
- 2.0 Contact the Shift Supervisor/Plant Emergency Director (SS/PED), or TSC if staffed, and obtain specific information concerning the event. (circle one)
A S G
_____ / _____
- 3.0 Assess on-site and off-site radiological conditions associated with any accidental releases. (Reference OP 3509, 3510 and 3513)
S _____ / _____
G _____ / _____
- 4.0 Act as liaison with the States' representatives until relieved by the SRM.
S _____ / _____
G _____ / _____
- 5.0 Document and coordinate offsite monitoring team activities.
S _____ / _____
G _____ / _____
- 6.0 Direct the call-in of off-duty personnel as required. Personnel are requested and assigned as per OP 3546 Appendices. (circle one)
S G
_____ / _____
- 7.0 Ensure that radiological assessment (refer to OP 3544, Appendix A) is being performed as deemed appropriate by the Radiological Assistant.
A _____ / _____
S _____ / _____
G _____ / _____
- 8.0 Obtain information concerning protective action recommendations from the Radiological Assistant.
G _____ / _____

APPENDIX B (Continued)

Time/Date

Initials

- 9.0 Provide information to the Site Recovery Manager concerning dose assessment results and protective action recommendations.
- 10.0 Coordinate with the Radiological Assistant, the radiological assessment of off-site conditions.
- 11.0 Coordinate with the Radiological Assistant to determine if monitoring of incoming personnel is required at the control point at the entrance to the EOF.
- 12.0 Coordinate with the Radiological Assistant to determine if a control point needs to be established at the Joint News Center entrance and if monitoring of incoming personnel is required.
- 13.0 Ensure the EOF staff is periodically briefed on plant status conditions and changes (i.e., plant radiological conditions, meteorological information, emergency class changes, protective action recommendations, and state/local agencies protective measure decisions). (Ops Advisor #2)
- 14.0 Ensure that the status forms are being utilized to transmit emergency information.
- 15.0 Periodically check with the Manpower and Planning Assistant to evaluate and discuss future manpower and logistics needs.
- 16.0 Depending upon the duration of the emergency, arrangements will be made by the Purchasing Coordinator to have food/water delivered. Coordinate the distribution with Manpower & Planning when notified of food delivery.

_____/_____
 _____/_____

APPENDIX B (Continued)

Time/Date

Initials

FINAL CONDITIONS

- | | | | |
|----|--|---------------|-------|
| 1. | Direct the responsible personnel to restore all emergency equipment to its normal readiness state. | _____ / _____ | _____ |
| 2. | Review and initial the following Emergency Operations Facility logs to ensure completeness and accuracy: | | |
| a. | Site Recovery Manager | _____ / _____ | _____ |
| b. | Procurement | _____ / _____ | _____ |
| c. | EOF Coordinator | _____ / _____ | _____ |
| d. | Personnel and Equipment Monitoring | _____ / _____ | _____ |
| e. | Manpower & Planning | _____ / _____ | _____ |

APPENDIX C

EMERGENCY OPERATIONS FACILITY COORDINATOR'S ASSISTANT

EOF Coordinator's Assistant

Name (print): _____

Date: _____

Time/Date

Initials

NOTE

Coordination with the EOF Coordinator is required to determine which steps may have already been completed.

1.0 Direct the activation and staffing of the EOF, per OP 3545, until the arrival of the EOF Coordinator (SSCA No. 0422).

2.0 Open EOF Coordinator's cabinet, remove clipboard and contact TSC or Control Room. Inform the TSC Coordinator, or in the absence of personnel in the TSC, inform the Plant Emergency Director (PED) of your presence and request the following:

(circle one)
A S G

2.1. Summary evaluation of plant conditions (take notes).

_____ / _____

2.2. Type of release, if release is in progress or expected.

_____ / _____

2.3. Directional variability of the wind (i.e., any indication of trending toward a new direction?).

_____ / _____

2.4. Whether or not the PED needs assistance in notifying plant management personnel, or other on-site assistance.

_____ / _____

APPENDIX C (Continued)

Time/Date

Initials

3.0 Upon arrival of the EOF Coordinator, advise the EOF Coordinator of the situation and its status and act as the assistant by keeping a log of significant events and other duties as requested.

(circle one)
A S G

_____ / _____

4.0 Be alert for any possible changes in meteorological conditions, especially wind direction and wind speed. If necessary, contact the TSC for meteorological conditions.

APPENDIX D

PERSONNEL & EQUIPMENT MONITORING TEAM

Personnel & Equipment Monitoring Team

(1) Name (print): _____

Date: _____

(2) Name (print): _____

Date: _____

Time/Date

Initials

NOTE

If portable friskers were not at the EOF entrance upon arrival, monitor yourself first then all personnel on duty inside the EOF. Segregate for decontamination all individuals exceeding 2X background or 2000 net cpm. All monitoring should be done in a low background area. (<2000 cpm)

- | | | | |
|------|--|---|--|
| 1.0 | If portable friskers are not already positioned at the EOF entrance, obtain two portable friskers (RM 14 with HP-210 Probe) from the charging shelf in the sprinkler room in Room 118. | / | |
| 1.1. | Perform response check of the RM 14 probes using Appendix J. | / | |
| 1.2. | Obtain the "Personnel Monitoring" clipboard and the Personnel and Equipment Monitoring Logbook from the Sprinkler Room. | / | |
| 2.0 | Establish a control point at the EOF entrance. | / | |
| 3.0 | At the discretion of the EOF Coordinator and Radiological Assistant, monitor all incoming personnel at the EOF control point. | / | |
| 4.0 | At the discretion of the EOF Coordinator and Radiological Assistant, establish a control point at the entrance to the Joint News Center (JNC) to monitor all personnel entering the JNC. | / | |
| 5.0 | Check off name of each person monitored on the phone list located on the "Personnel Monitoring" clipboard. If name is not on the phone list, write name in the Personnel and Equipment Monitoring Logbook. | | |

APPENDIX D (Continued)

	<u>Time/Date</u>	<u>Initials</u>
6.0 Immediately segregate all personnel arriving in protective clothing (PCs) and identify their vehicles, if applicable.	/	
6.1. Survey PC-attired personnel and their vehicles with priority.	/	
6.2. Note on the personnel list log or log sheets the name(s) and vehicle(s) exceeding 2x background or 2000 net cpm, whichever is less.	/	
6.3. Hold for decontamination and release.	/	
7.0 Perform facial survey with a frisker (DO NOT attempt nasal smear or tissue "blow" samples) in order to identify potential for internal dose of individual.	/	
8.0 Report all significant or positive results to the EOF Coordinator and the Radiological Assistant.	/	
9.0 Log all personnel monitoring results in the Personnel and Equipment Monitoring Logbook.	/	

APPENDIX E
COMMUNICATIONS ASSISTANT

Communications Assistant

Name (print): _____

Date: _____

	<u>Time/Date</u>	<u>Initials</u>
1.0 Test phones for dial tone.	/	_____
2.0 Obtain box of Three-Part Message and Reply forms from the EOF Coordinator's cabinet.	/	_____
3.0 Assign available personnel to phones and radio and provide them with a supply of blank Three-Part Message and Reply forms.	/	_____

<p><u>NOTE</u></p> <p>Radio procedures are contained in OP 3504.</p>

- 4.0 Establish radio communications with all on-site and off-site teams prior to their departure to assigned tasks.
- 5.0 Record the date, time, and parties involved for each incoming or outgoing message by telephone or radio on a Three-Part Message and Reply Form.

APPENDIX F
RADIOLOGICAL ASSISTANT

Radiological Assistant

Name (print): _____

Date: _____

Time/Date

Initials

NOTE

Table 1 may be utilized as a manpower organizational guideline to the extent deemed practicable.

- | | | | |
|-----|---|---|--|
| 1.0 | On the dispersion map, select the appropriate plume stability angle in accordance with reported meteorological conditions. | / | |
| 2.0 | IF the NRC requests an open, continuous Health Physics Network (HPN) communications channel, THEN ensure a technically competent individual is available to continuously maintain the HPN phone (LAI-801). Refer to OP 3504 to establish HPN channel. | / | |
| | Name: _____ | / | |
| 3.0 | Assign personnel from Manpower and Planning to provide assistance in communications, dose assessment and board updates as required. | / | |
| | Name: _____ | / | |
| 4.0 | Assign the Radiological Coordinator and direct the individual to perform the procedure outlined in OP 3525, Radiological Coordination. | / | |
| | Name: _____ | / | |
| 5.0 | Coordinate with the EOF Coordinator to determine if monitoring of incoming personnel is required at the control point at the entrance to the EOF. | / | |

APPENDIX F (Continued)

		<u>Time/Date</u>	<u>Initials</u>
6.0	Coordinate with the EOF Coordinator to determine if a control point needs to be established at the Joint News Center entrance and if monitoring of incoming personnel is required.	/	
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p><u>NOTE</u></p> <p>All communications to the plant should go through the TSC, or, if the TSC is not staffed, through the Control Room.</p> </div>			
7.0	Direct and evaluate the performance of dose projections as per the procedure outlined in OP 3513, Evaluation of Off-Site Radiological Conditions.	/	
8.0	Perform required steps in OP 3511, Off-Site Protective Action Recommendations.	/	
9.0	Assemble all available information relating to the radiological situation both on and off-site.	/	
10.0	Provide support to the Radiation Protection Coordinator or designated alternate at the TSC to ensure that on-site protective actions are being considered and carried out.	/	
11.0	Review exposure control measures and maintain and review exposure records with the Radiation Protection Coordinator or designated alternate at the TSC as appropriate.	/	
12.0	Organize the information and concisely state the latest radiological conditions on the status and mapboards.		
13.0	As new or additional information becomes available, update the boards.		
14.0	Keep the EOF Coordinator informed of pertinent changes, especially updates regarding protective action recommendations.		
15.0	Assist the EOF Coordinator as requested.		

APPENDIX G

MANPOWER AND PLANNING ASSISTANT

Manpower and Planning Assistant

Name (print): _____

Date: _____

Time/Date

Initials

NOTES

- The Manpower & Planning Clipboard contains the latest EAPL, organizational chart, phone list and staffing worksheets, as well as Fire Brigade and Medical Team lists.
- Supplies are located in the sprinkler room in Room 118.

1.0 Determine the nature of the emergency and approximate the extent of damage to the plant and equipment.

_____ / _____

2.0 Mobilize available manpower by listing plant personnel present and not otherwise assigned to emergency duties in the Emergency Response Organization assignment groups as presented in the Emergency Assistant Personnel List (EAPL).

_____ / _____

3.0 Attend briefings in EOF and brief personnel in lobby including Security.

NOTES

- A person may be listed in more than one assignment group in the EAPL.
- As personnel arrive at EOF, they must show identification or key in code for access. Do Not block open doors.

4.0 Keep the personnel list current as personnel continue to arrive at the Emergency Operations Facility.

APPENDIX G (Continued)

		<u>Time/Date</u>	<u>Initials</u>
5.0	Ensure that the general assembly area does not become overcrowded.		
5.1.	IF an overflow of spare personnel occurs, THEN send them home to return for later duty or send them to an alternate assembly area in the EOF.		
5.2.	Use VYOPF 3546.03 to provide those personnel being released with instructions on reporting responsibilities. (EPEX97TSC-2)		
6.0	As soon as practicable, reassign tag board duties to make available those specialties needed to best cope with the emergency situation.		
7.0	Prepare to assign specialized assistance teams as requested by the TSC Coordinator.	_____ / _____	_____
8.0	Prepare lodging arrangements for Vermont Yankee emergency workers if their homes are in evacuated areas.	_____ / _____	_____
9.0	Depending upon the duration of the emergency, arrangements will be made to have food delivered. Immediately notify EOF Coordinator when food arrives. Coordinate with him the distribution of the food.	_____ / _____	_____
10.0	Assist the EOF Coordinator by attempting to anticipate and provide for future manpower and logistics needs.		
11.0	Depending upon the anticipated duration of the emergency, prepare relief schedules and excuse those personnel not presently needed. Use VYOPF 3546.03 to provide those personnel being released with instructions on reporting responsibilities. (EPEX97TSC-2)	_____ / _____	_____

APPENDIX H

ENGINEERING SUPPORT GROUP ASSISTANT

Engineering Support Group Assistant

Name (print): _____

Date: _____

Time/Date

Initials

NOTES

- The ESG Clipboard contains the latest EAPL, organizational chart and phone list.
- Supplies are located in E-Plan Cabinet #2, located outside of Room 126, and in sprinkler room in Room 118.

- | | | | |
|-----|--|---------------|-------|
| 1.0 | Obtain items from Cabinet #2 and set up area. | _____ / _____ | _____ |
| 2.0 | Place Action Item List magnetic tags on white board for use as status board. | _____ / _____ | _____ |
| 3.0 | Establish the following positions: (Place magnetic tags on white board) | | |
| | Senior Management: _____ | | |
| | Phone Communicator: _____ | | |
| | Action Item List Scribe: _____ | | |
| | Briefing Representative: _____ | | |
| | Critique Scribe (optional): _____ | | |
| 4.0 | Establish communication with the Plant Manager's Office (TSC x5200). | _____ / _____ | _____ |
| 5.0 | Route sign-in sheet for compilation of personnel available for assignments. | _____ / _____ | _____ |
| 6.0 | Monitor and update status of action items and communicate results. | | |

APPENDIX H (Continued)

Time/Date

Initials

7.0 Depending upon the anticipated duration of the emergency, work with Manpower and Planning to prepare relief schedules and excuse those personnel not presently needed. Use VYOPF 3546.03 to provide those personnel being released with instructions on reporting responsibilities.

_____/_____

8.0 Maintain communication with the plant.

9.0 Compile a list of critique items.

_____/_____

FINAL CONDITIONS

1. When directed by the SRM, or designated alternate, assist with developing a recommended recovery plan.
2. Direct the responsible personnel to restore all emergency equipment to its normal readiness state.

APPENDIX I

OPS ADVISOR RESPONSIBILITIES

NOTE

The following action items may be implemented in any order.

OPS ADVISOR #1

1. Initially test, by listening for dial tone, both the primary and the alternate auto-ring down circuits and then implement one. Continuously monitor for users who fail to mute their microphone when not actually speaking and advise them to do so.
 - Monitor ring down circuit, advise SRM of major events.
 - Evaluate need for escalation, protective action recommendation, de-escalation.
 - During escalations and de-escalations, advise the PED to sound the proper emergency alarm at the same time the State Advisor makes his declaration.
 - Maintain a current bound log of events and SRM decisions.
2. Be particularly careful not to direct or instruct control room personnel in the performance of their duties.
 - Advise the PED to make a single (initial) ISO notification at the Alert, Site Area, or General Emergency level.

OPS ADVISOR #2

1. Complete Plant Status Briefing Form (VYOPF 3546.01). Serialize each new form and obtain SRM approval.
 - Give copy of VYOPF 3546.01 to the Media Advisor Assistant for distribution to the TSC, Technical Representative in the Press Release Writer's Area, etc.
2. Identify plant parameters which are of substantial concern or which have significant trends.
 - Brief all SRM Staff in the SRM Communications Area (e.g., State Advisor, Media Advisor, Radiological Advisor, etc.) of each significant plant parameter change, escalation, or PAG recommendation.
3. Establish a rhythm of regular SRM staff briefings. Alternates should be prepared to step in immediately and without direction if the primary individual becomes tied up.

APPENDIX J

STATE ADVISOR RESPONSIBILITIES

NOTE

The following action items may be implemented in any order.

STATE ADVISOR

1. Set up State Area, including set-up of status information and removal of training materials.
2. Identify spokesman for each State and complete status information in the SRM's office.
3. Make Compliance Advisor aware of States that have not responded to ensure proper orange phone notification.
4. For those States whose representatives have not yet arrived, provide informational updates to their State EOCs until their arrival at Vermont Yankee.
5. Provide initial briefings as State Representatives arrive and ensure States representatives are aware of and invited to the Ops Advisor #2 briefings. Advise/provide additional information on each significant change in plant parameters, escalations or de-escalations, PAG recommendations, and METPAC calculations.
6. Maintain any VY Status Boards in the State Area and ensure status boards are consistent with SRM area status boards.
7. Provide copies of appropriate status forms to State and NRC representatives.
 - Respond to State questions, and update Media Advisor.
 - Provide feedback to the SRM directly or via the Ops. Advisor #2 regarding State questions and concerns.

APPENDIX K

COMPLIANCE ADVISOR RESPONSIBILITIES

NOTE

The following action items may be implemented in any order.

COMPLIANCE ADVISOR

1. Review E-Plan Implementation Procedures to ensure SRM completion of required steps.
2. Prompt SRM/State Advisor to maintain regular briefings.
3. Function as SRM office area gatekeeper.
4. Make Orange Phone Notifications when required by procedure and with SRM concurrence. Log and inform the Media Advisor of such notifications.
5. Prompt SRM to personally notify Governor on escalations/protective action recommendations. Log such notifications.
6. Maintain status boards in SRM office.
7. Log significant incoming calls.

APPENDIX L

JNC TECHNICAL REPRESENTATIVE RESPONSIBILITIES

NOTE

The following action items may be implemented in any order.

JNC TECHNICAL BRIEFING REPRESENTATIVE

1. Report to Press Release Writing Area and begin preparations for periodic news conferences by participating in plant-related discussions.
2. Assist the Nuclear Information Director in preparing for regular media briefings.
3. Accompany NID in short briefings for the state and/or NRC in the state conference rooms using small version of reactor/drywell graphic.
4. Participate in regular media briefings and respond to technical questions.
5. Assist Technical Representative and Press Release Writer with their duties.

JNC TECHNICAL REPRESENTATIVE

1. Report to Press Release Writing Area and assist the Press Release Writer and Technical Briefing Representative by communicating (via speakerphone) with the Media Advisor located in the EOF.
2. Review draft press releases to ensure accuracy.
3. Participate in plant-related discussions in the Press Release Writing Area to ensure general understanding of plant conditions.
4. Be available to fill in for Technical Briefing Representative in a news conference, if necessary.

APPENDIX M

MEDIA ADVISOR AND MEDIA ADVISOR ASSISTANT RESPONSIBILITIES

NOTE

The following action items may be implemented in any order.

MEDIA ADVISORS (2)

1. When the EOF has been activated, make announcement over PA system along with the current time for facility synchronization, i.e., "The EOF was activated at ____ hrs. The time is now ____ hrs, please synchronize clocks in your area."
2. Assist in the preparation of press releases by keeping press writing area personnel updated on the event, and obtain SRM signature on final press releases.
3. Obtain Media Advisor Clipboard with Technical Representative Escalation Checklists (Appendix L) on it and provide the JNC Technical Representative at the Joint News Center a completed checklist for each escalation.
4. Provide updates to Mass. and N.H. State Nuclear Engineers via telephone after each briefing.
5. Turn on (up position) all EOF PA speaker switches. Make PA announcements for EOF activation, escalations and de-escalations of emergency status. Dial x4699 to access the paging system for all areas. (Always begin announcement with the current time.)
6. In addition to announcements for escalations, periodically (e.g., every 30 minutes) make PA announcements of the current emergency status. A suitable announcement may be: "Plant conditions remain at the Alert level."
7. Instruct the switchboard operator not to make public address announcements after the EOF has been activated.
8. Coordinate the "uneventful merge" of the NRC Site Team.
9. Assist the Recovery Staff (CA, SA, OAS) in collecting information and resources to provide for long term operation of the site recovery function (e.g., manpower, food, reference materials, other logistical concerns).
10. Confirm Contracts/Purchasing staff is in place.

APPENDIX M (Continued)

MEDIA ADVISOR ASSISTANT

1. Set up fax machine in Recovery Planning area and test by faxing test sheet to TSC (x5440). Call x5157 to confirm receipt of fax.
2. Set up phones and check for dial tone.
3. Ensure speakerphone between Recovery Planning area and Press Release Writer's Area is properly working. Test by calling x4878. (Extra batteries are in Cabinet #2)
4. Synchronize clocks in EOF with ERFIS.
5. Press Release staff will deliver two copies of Press Releases, ensure that one is delivered to the Media Advisor and the other one is posted on whiteboard in room 126.
6. Fax one copy of Plant Status Briefing Form (VYOPF 3546.01) to the TSC (x5440) and hand carry one copy to the Technical Representative in the Press Release Writer's Area after each briefing.
7. Power up the computer and the multimedia projector in room 126. Go to the Emergency Planning Department's intranet web site for templates and graphics.
8. Use the "Status Board" template from the web site to create and maintain the electronic status board. Information includes Time of Event and Description of Event. Ensure status boards (electronic or hand written) are consistent throughout the EOF/RC.
9. If media is requested for briefings, locate the appropriate graphic from the web site and project on screen.
10. Use the form on the Media Advisor's clipboard to log all phone calls and PA announcements made by the Media Advisor. Include time, type, and description.

APPENDIX N

RADIOLOGICAL COORDINATOR RESPONSIBILITIES

NOTE

The following action items may be implemented in any order.

RADIOLOGICAL COORDINATOR

1. As directed by the Radiological Assistant, perform the procedure outlined in OP 3525, Radiological Coordination.
2. When the EOF becomes operational and radio contact has been established with the Site Boundary and Off-Site Teams, assume responsibility for the overall direction of the monitoring teams.
3. Provide meteorological data initially, periodically and upon changing conditions to Ops. Advisor #2. Watch carefully for the first and all subsequent METPAC data and graphics. Continuously ensure Ops. Advisor #2 has current METPAC and METDATA information. Also, be alert for any stack gas instrument changes which may be telephoned directly to the EOF Coordinator's radiological assistant or off-site monitoring team coordinator.
4. Project future concerns based on existing radiological and meteorological conditions and notify Rad Assistant of significant potential events or non-conservatism.
5. Update Ops. Advisor #2 of upper and lower wind speed and direction.
6. Evaluate radiological conditions, and advise the Rad Assistant.
7. Maintain plume dispersion map wheel. Ensure that the Rad Assistant and State map wheels are properly maintained.
8. Investigate other radiological concerns as requested by the Rad Assistant.

APPENDIX O

STATE LIAISON RESPONSIBILITIES

NOTE

The following action items may be implemented in any order.

STATE LIAISON (3)

1. Ensure you have large copies of AP 3125, Electrical Distribution overview, PCIS overview and the EOP/SAG RPV and Containment action levels drawings and a wallet card with important contact phone numbers to bring to the State.
2. Contact the Emergency Director and advise that you are traveling to their headquarters. (If using cell phone, maintain an open line if requested to do so.)
3. Once at State, use State guidelines or checklists to perform required duties.
4. Provide clarification/information (not direction) to questions about information they are receiving from their representatives at VY.
5. Assist State personnel by interpreting information/data, if necessary, for use with NRC-ERDs, METPAC, Rascal and any other computer systems used for rad assessment.
6. Assist State personnel in performing their duties by helping to analyze information in engineering, operations, and rad assessment areas.
7. Communicate with Media Advisor or EOF Coordinator.

APPENDIX P

FACILITIES COORDINATOR RESPONSIBILITIES

NOTE

The following action items may be implemented in any order.

FACILITIES COORDINATOR (Use the Joint News Center Guidelines for guidance)

1. Notify the following vendors of the emergency declaration and direct them to respond to Vermont Yankee Training Center.
 - Hunter North Corporation
 - Ikon Office Solutions
2. Obtain a badge from the Warehouse Tote container beside the stage.
3. Assist in the distribution of labeled plastic totes on second floor of Joint News Center.
4. Set up tables and chairs in Credentialing Area and Warehouse.
5. Assist Floor Liaison with setting up sound system in Warehouse.
6. The Media Advisor will announce current time during EOF activation announcement. Individual areas will be responsible for synchronizing their own clocks at that time. All subsequent messages from the EOF will be preceded with the current time. Ensure all clocks in the EOF are correct.
7. Assign Security contractor personnel to proper locations.
8. Maintain communications with Joint News Center Coordinator.

APPENDIX Q

TELECOMMUNICATIONS COORDINATOR RESPONSIBILITIES

NOTE

The following action items may be implemented in any order.

TELECOMMUNICATIONS COORDINATOR

1. Ensure Switchboard is operable and coordinate the deactivation of auto-attendant feature of VY's phone system when Switchboard Operator is ready to receive calls.
2. Notify the following vendors of the emergency declaration and direct them to respond to Vermont Yankee Training Center.
 - Northeast Mountain Radio Communications (NMR)
 - Consult/Techs
3. Obtain a badge from the Warehouse Tote container beside the stage.
4. Ensure the operability of phone communications link between the Press Release Writer Area on second floor and the Media Advisor in the EOF on first floor.
5. Ensure the intercom volumes are turned to full volume throughout building.
6. In the warehouse, plug in telephones and verify operability by checking for dial tones.

APPENDIX R

RESPONSE CHECK OF RM-14/FRISKER PROBE

1. Perform a visual inspection of the instrument. If any conditions are found which could affect operability, do not use the instrument.
 - a. Frayed cables or cords
 - b. Broken meter face
 - c. Missing lights, switches
2. Check the calibration due date. If the instrument is out of calibration, do not use the instrument
 - a. Calibration due date is listed as follows:
(month – year, 6-02) This means that the calibration is due the last day of June 2002.
3. Check the battery.
 - a. Plug the instrument into a 110-120 VAC outlet.
 - b. Turn the selector switch to the battery position.
 - c. The needle should move to the BATT OK region of the meter face, if it does not, do not use the instrument.
4. Source Check:
 - a. Obtain source EKit Response Check Source (CS-137 button source) from the E-Plan Cabinet.
 - b. Position the selector switch to the x100 position.
 - c. Place the source in contact with the frisker probe.
 - d. The meter should indicate greater than 10,000 cpm (100 on the meter face). If it does not, do not use the instrument.
5. If steps 1-4 above have been completed satisfactorily:
 - a. Initial and date the calendar on the RM-14.
 - b. Turn the selector switch to the lowest scale (x1) to prepare for frisking personnel.

APPENDIX S

TECHNICAL REPRESENTATIVE ESCALATION CHECKLIST/SCRIPT

Escalation (EAL code _____) Introduction. Due to the present conditions at the Vermont Yankee nuclear power plant, as of ____:____ we have escalated our classification to:

- Unusual Event. This emergency classification is the lowest of four NRC-defined levels
Alert: This emergency classification is the second lowest of four NRC-defined levels.
Site Area: This emergency classification is the second highest of four NRC-defined levels.
General: This emergency classification is the highest of four NRC-defined levels.

Our decision to escalate the emergency classification is due to:

- Increasing radiation levels
Damaged reactor fuel cladding/or fission prod. barriers
Leakage of reactor coolant water
A fire at the plant
Natural phenomena: River level, Wind velocity/Tornado, Earthquake
Loss of electrical power on the plant site
Loss of safety equipment
Other: Explosion, Crash, Main turbine failure, Release of hazardous materials or toxic substance, Evacuation of control room
Security event
General criteria as established by our emergency plans

- There has been no radioactivity released as a result of this incident.
There has been a minute release of radioactivity at the plant as a result of this event, but no increase was measurable at the site boundary and thus there were no public health or safety implications.
There has been a radiation release from the plant that is measurable at the site boundary. The radiation dose per hour at the plant boundary is about _____ millirem which is equivalent to what people receive from natural sources in about _____ days. Normal background is about 1 mr/day from sun and earth.

(If appropriate) Our technical representative is here to provide a brief description of the plant condition at this point...

This classification of :

- Unusual Event: augments our on-shift technical resources at the plant and implements a formal notification process for offsite emergency organizations.
Alert: partially mobilizes emergency response and technical personnel at the plant, activates Vermont Yankee's emergency response facilities including our emergency operations facility and this news media center, assigns responsibility for Vermont Yankee's overall response to a site recovery manager, and provides formal notification and follow-up information to offsite emergency response organizations. We also evacuate unassigned people from the plant site as a precaution.
SAE: mobilizes all Vermont Yankee emergency response personnel, activates state and local emergency response facilities, provides for closer interaction with Vermont Yankee and state emergency response officials here in Brattleboro.
GE: activates all available local, state and federal radiological emergency response resources and appropriate protective measures are determined based on weather conditions and actual or projected radiological conditions.

As we focus the additional technical resources on addressing the plant conditions we will be providing state emergency officials with continuous updates to support their response and will continue to hold joint press conferences to inform the news media. Area residents should stay tuned to the Emergency Alert System radio stations for further information from state public safety organizations. We will return here as soon as possible with additional information.

PLANT STATUS BRIEFING FORM

Vermont Yankee Nuclear Power Station, Vernon, Vermont

DATE: _____ ISSUE NO.: _____ TIME: _____

EVENT CLASSIFICATION: ALERT SITE AREA GENERAL Declared at: _____

REASON: _____

REACTOR STATUS: Operating
 Reducing Power Power Level: _____ %
 Shutdown at _____
Rx Pressure: _____ psig Drywell Press: _____ psig

PLANT SITUATION: Stable Improving Degrading

RADIOACTIVE RELEASE: None Anticipated
 In Progress Time stack release started _____
Time ground release started _____

OPERATIONAL PRIORITIES: _____

INJURIES/FATALITIES: _____

VY PROTECTIVE ACTION RECOMMENDATION:
 NONE SHELTER EVACUATE (Attach & read from VYOPF 3511.01 for any PARs)

METEOROLOGICAL: Wind Speed Upper _____ mph Lower _____ mph
Wind Direction (FROM) Upper _____ deg Lower _____ deg
Delta T Upper _____ degF Lower _____ degF
Stability Class Upper _____ Lower _____

PROTECTIVE ACTIONS TAKEN BY THE STATES:

VT	Shelter	Evac	NH	Shelter	Evac	MA	Shelter	Evac
Brattleboro	<input type="checkbox"/>	<input type="checkbox"/>	Chesterfield	<input type="checkbox"/>	<input type="checkbox"/>	Bernardston	<input type="checkbox"/>	<input type="checkbox"/>
Dummerston	<input type="checkbox"/>	<input type="checkbox"/>	Hinsdale	<input type="checkbox"/>	<input type="checkbox"/>	Colrain	<input type="checkbox"/>	<input type="checkbox"/>
Guilford	<input type="checkbox"/>	<input type="checkbox"/>	Richmond	<input type="checkbox"/>	<input type="checkbox"/>	Gill	<input type="checkbox"/>	<input type="checkbox"/>
Halifax	<input type="checkbox"/>	<input type="checkbox"/>	Swanzy	<input type="checkbox"/>	<input type="checkbox"/>	Greenfield	<input type="checkbox"/>	<input type="checkbox"/>
Vernon	<input type="checkbox"/>	<input type="checkbox"/>	Winchester	<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"/>

OTHER: _____

SRM Approval _____ Time Presented _____ Briefer Initials _____

EMERGENCY CLASSIFICATION AND PAR NOTIFICATION/UPGRADE FORM

VYOPF 3546.02 INSTRUCTIONS

STATES NOTIFICATION MUST BE INITIATED WITHIN 15 MINUTES OF DECLARATION.

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.
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	
NAS - ORANGE PHONE GROUP CALL	VT/NH/MA STATE POLICE 111		VT/NH/MA STATE EOCs 333	
NAS INDIVIDUAL STATION CALL	VT STATE POLICE	213	VT STATE EOC	314
	NH STATE POLICE	212	NH STATE EOC	311
	MA STATE POLICE	210	MA STATE EOC	313

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"/>
	Hinsdale	<input type="checkbox"/>	<input type="checkbox"/>
	Richmond	<input type="checkbox"/>	<input type="checkbox"/>
	Swanzey	<input type="checkbox"/>	<input type="checkbox"/>
	Winchester	<input type="checkbox"/>	<input type="checkbox"/>
MA	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

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:

INSTRUCTIONS TO PERSONNEL
PRIOR TO BEING RELEASED FROM THE ASSEMBLY AREA

Provide the following information to all ERO members prior to their release from the assembly area:

1. Go home and await further instructions.

NOTE

Do not call unless it is necessary.

2. If you must be away from your telephone, call (802) 257-5271 for staffing instructions.
3. If you need information on shift status, call (802) 257-5271.
4. If you live in the EPZ and are evacuated, call (802) 257-5271 for further instructions. Accommodations will be provided to you for the duration of the emergency, or if you are going to some place other than instructed, identify how you can be reached.
5. Personnel assigned to the second shift of the facility marked below, report to the EOF at _____ hours. Call Manpower and Planning (802-257-5271) prior to reporting to receive updated information.

CAUTION

Personnel reporting after the onset of an Alert, Site Area Emergency, or General Emergency must report to the EOF prior to assuming their assignment at the plant.

- | | |
|--|--|
| <input type="checkbox"/> Control Room | <input type="checkbox"/> Technical Support Center |
| <input type="checkbox"/> Operations Support Center | <input type="checkbox"/> Emergency Operations Facility |
| <input type="checkbox"/> Joint News Center | |

6. Follow any further instructions when called by the Manpower and Planning Assistant.

TABLE 1

RADIOLOGICAL ASSISTANT'S ORGANIZATION

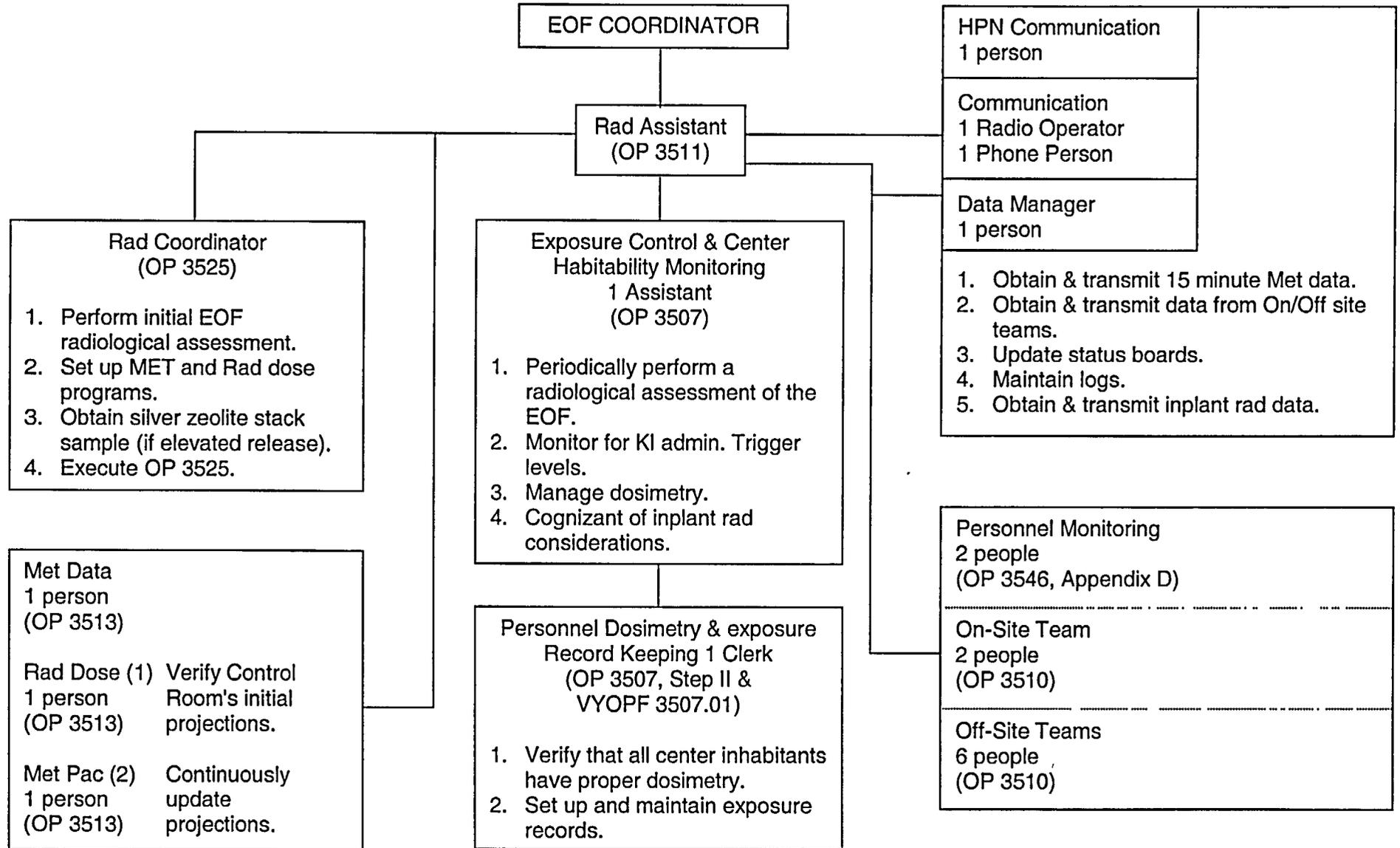


TABLE 2

WHITE PLAINS RECOVERY SUPPORT GROUP CORPORATE CALL LIST

RECOVERY SUPPORT GROUP MANAGERS (For notification of escalation)

NAME	HOME PHONE	WORK PHONE	PAGER #
G. Wilverding	[REDACTED]	(914) 272-3375	[REDACTED]
M. Karasulu	[REDACTED]	(914) 272-3442	[REDACTED]
G. Canavan	[REDACTED]	(914) 272-3440	[REDACTED]
G. Rorke	[REDACTED]	(914) 272-3428	[REDACTED]

RECOVERY MANAGERS (For notification of de-escalation to a recovery phase)

NAME	HOME PHONE	WORK PHONE	PAGER #
H. Salmon	[REDACTED]	(914) 272-3220	[REDACTED]
D. Robson	[REDACTED]	(914) 272-3452	[REDACTED]
T. Dougherty	[REDACTED]	(914) 272-3451	[REDACTED]
J. Kelly	[REDACTED]	(914) 272-3370	[REDACTED]

[REDACTED]

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, 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 | <u>YES</u> | <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 | <u>YES</u> | <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)(1), (8) and 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 to the responsibilities of the Rad Coordinator, Media Advisor Assist, State Advisor, Ops Advisor were to formalize steps and processes that they were already doing. The Media Advisor will now announce time for synchronization throughout the facility and prior to any announcement being made. This enhancement will help all personnel and will allow the Facilities group to focus on their EOF functions. The Personnel Monitoring and Manpower/Planning equipment from cab. #2 was moved to sprinkler room to keep all their equipment together and make it easier to set up their individual areas. No equipment was eliminated and does not effect the setup of the facility.

All other changes to the procedure were for formalization and enhancement and do not decrease the effectiveness of the Plan or Procedure and 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, OP 3545

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: 1/9/03
(Print/Sign)

Reviewed By: Loni A. Traczyk *Loni A. Traczyk* Date: 1/9/03
(Emergency Plan Coordinator) (Print/Sign)