

TO: USNRC File Room

VERMONT YANKEE CONTROLLED DOCUMENT TRANSMITTAL FORM

SECTION 1

DOCUMENT TITLE: IMPLEMENTING PROCEDURES TO THE E-PLAN

COPY NUMBER: 54

CHANGE NUMBER: #198

ISSUE DATE: February 11, 2002

INSTRUCTIONS:

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- e. Destroy all superseded pages.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

TRANSMITTED BY: *Diana J. McA...*

ES or DCC Signature

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

SECTION 2

The undersigned acknowledges completion of the preceding instructions.

Signature of Recipient: _____ Date: _____

A045

Eplan Implementing Plant Procedures

To: Eplan Implementing Procedure Controlled Set Holders

From: Diane McCue

Date: 02/11/02

Re: VY EPlan Implementing Procedure Change #198, Instruction Sheet

A new Table of Contents is included.

REVISIONS: Please replace the following procedures: -

<u>Proc/Rev #</u>	<u>Procedure Title</u>
OP 3712/16	Emergency Plan Training

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

<u>Proc/Rev #</u>	<u>LPC #</u>	<u>Procedure Title</u>
OP 3510/25	1	Off-Site & Site Boundary Monitoring
OP 3531/14	2	Emergency Call-In Method

Vermont Yankee Emergency Plan Implementing Procedures

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February 14, 2002

Emergency Plan Classification and Action Level Scheme	AP 3125	Rev. 18	"R"
Emergency Communications	OP 3504	Rev. 33	"R"
Emergency Preparedness Exercises and Drills	OP 3505	Rev. 23	"I"
Emergency Equipment Readiness Check	OP 3506	Rev. 40	"R"
Emergency Radiation Exposure Control	OP 3507	Rev. 29	"R"
On-Site Medical Emergency Procedure	OP 3508	Rev. 22	"R"
Environmental Sample Collection During an Emergency	OP 3509	Rev. 17	"R"
Off-Site and Site Boundary Monitoring	OP 3510	Rev. 25	"R"
Off-Site Protective Action Recommendations	OP 3511	Rev. 11	"R"
Evaluation of Off-Site Radiological Conditions	OP 3513	Rev. 20	"R"
Emergency Actions to Ensure Accountability and Security Response	OP 3524	Rev. 17	"R"
Radiological Coordination	OP 3525	Rev. 9	"R"
Emergency Call-In Method	OP 3531	Rev. 14	"R"
Emergency Preparedness Organization	AP 3532	Rev. 10	"I"
Post Accident Sampling of Reactor Coolant	OP 3533	Rev. 4	"C"
Post Accident Sampling of Plant Stack Gaseous Releases	OP 3534	Rev. 3	"C"
Post Accident Sampling and Analysis of Primary Containment	OP 3535	Rev. 3	"C"
In Plant Air Sample Analysis with Abnormal Condition	OP 3536	Rev. 1	"C"
Control Room Actions During an Emergency	OP 3540	Rev. 0	"R"
Activation of the Technical Support Center	OP 3541	Rev. 0	"R"
Operation of the Technical Support Center	OP 3542	Rev. 0	"R"
Operation of the Operations Support Center	OP 3544	Rev. 0	"R"
Activation of the Emergency Operations Facility/Recovery Center	OP 3545	Rev. 0	"R"
Operation of the Emergency Operations Facility/Recovery Center	OP 3546	Rev. 0	"R"
Security Actions During an Emergency	OP 3547	Rev. 0	"R"
Emergency Plan Training	OP 3712	Rev. 16	"I"

VERMONT YANKEE NUCLEAR POWER STATION

OPERATING PROCEDURE

OP 3712

REVISION 16

EMERGENCY PLAN TRAINING

USE CLASSIFICATION: INFORMATION

LPC No.	Effective Date	Affected Pages

Implementation Statement: N/A

Issue Date: 02/14/2002

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PURPOSE

To specify the Emergency Plan training requirements for the Vermont Yankee staff and supporting contractors and to outline the training provided for local medical support personnel, local fire department, the news media, and state and local government emergency assistance personnel in support of the emergency response.

DISCUSSION

Vermont Yankee staff and supporting contractors annually receive a general overview training module covering the Emergency Plan and the Implementing Procedures to the Emergency Plan as part of GET. Additionally, some personnel receive position specific training to qualify them for their respective assignments during an Emergency. These position specific training modules and assignments to them are specified by the Emergency Assistance Personnel List, which is formulated by the Emergency Plan On-Site Coordinator.

The Emergency Plan Manager, in conjunction with the Technical Training Manager, will evaluate changes to the Emergency Plan and the Implementing Procedures to the Emergency Plan to determine if the change or changes require additional training (MOO ID 8714). Similarly, the Emergency Plan Manager and the Technical Training Manager review and approve applicable Emergency Plan training materials for use (INS8707CPE2).

Critiques will be held following all drills and exercises. A formal management debrief will be held following all graded exercises. Identified weaknesses and/or deficiencies requiring further corrective action will be forwarded to the Emergency Plan Manager for resolution in accordance with OP 3505, Section C. (MOO ID 8914)

ATTACHMENTS

1. None

REFERENCES AND COMMITMENTS

1. Technical Specifications and Site Documents
 - a. Vermont Yankee Emergency Plan
2. Codes, Standards, and Regulations
 - a. Appendix E, 10CFR50
3. Commitments
 - a. None

4. Supplemental References

- a. Vermont Yankee Implementing Procedures to the Emergency Plan
- b. Training Department Directives
- c. Emergency Plan Training Program Description
- d. AP 0700, Vermont Yankee Staff Training
- e. AP 0840, Medical Response Team Training
- f. OP 3505, Emergency Preparedness Exercises and Drills
- g. OP 3510, Off-Site and Site Boundary Monitoring
- h. AP 3532, Emergency Preparedness Organization
- i. AP 6807, Collection, Temporary Storage and Retrieval of QA Records

RESPONSIBILITIES

1. The Emergency Plan Manager has the overall responsibility to ensure all training is completed in accordance with Emergency Plan Training Program Description (EPTPD). (SSCA0983, IFI932401)
2. The Emergency Plan Liaison is responsible for coordinating the training of the local medical support personnel, state and local government personnel, and personnel from the Vernon fire department and other Southwestern Fire Mutual Aid District fire departments within the VY 10 mile EPZ. The Training Department will, upon request, assist in this effort (Section II.A, B, C of this procedure)(SSCA 0539 and SSCA 0618).
3. The Director of Human Resources and Public Affairs is responsible for annual training of the news media and News Media Center Staff. Training Department will, upon request, assist in this effort (Section I.B of this procedure).
4. The Training Department is responsible for completion of training in accordance with the EPTPD under the direction of the Technical Training Manager.
5. Vermont Yankee Emergency Plan Training is based upon Appendix E to 10CFR50, Vermont Yankee's Emergency Plan, and the Implementing Procedures to the Emergency Plan. It is, where applicable, performance-based, personnel-specific training assigned in accordance with the Emergency Assistance Personnel List (EAPL). The Emergency Plan On-Site Coordinator maintains the Emergency Assistance Personnel List with assistance from the Training Department.
6. On a quarterly basis, the Emergency Plan On-Site Coordinator will publish an updated list of Emergency Assistant Personnel training status. The list will show who has completed emergency response training for the updating of the Emergency Assistant Personnel List. (MOO ID 8714)
7. The Emergency Assistance Personnel List assignments will be audited annually by the Emergency Plan Manager in conjunction with the Sr. Vice President & Chief Nuclear Officer, Plant Manager and the Director of Human Resources and Public Affairs to ensure continued concurrence with emergency response assignments. (MOO ID 8714)

PROCEDURE

Emergency Plan training will be provided for the following groups.

I. EMERGENCY RESPONSE TRAINING

Emergency Response training is required for initial qualification and is the basis for required annual (calendar year) refresher/continuing training.

The initial position specific emergency response training is defined in the Emergency Plan Training Program Description (EPTPD) for all but the following personnel.

A. OSC Staff

Personnel assigned to the OSC Staff (Chem Techs, RP Techs, Auxiliary Operators, administrative support, etc.) are required to complete general emergency plan overview training as part of either initial GET or annual GET equal. Emergency plan duties for OSC Staff require them to maintain qualification in their primary job function. No additional training is required.

B. News Media

The Director of Human Resources and Public Affairs coordinates a training program to acquaint local news media personnel with the emergency plans, points of contact for release of information, location of News Media Centers, and update on public information packets sent to the public. This training is conducted annually.

C. Medical Response Team

Medical Response Team training requirements are specified in AP 0840.

D. Controller Training

Initial training for this group is designed to enable assigned controllers to proficiently perform their duties during drills and exercises. Topics include:

1. Role and responsibilities of controllers.
2. Techniques for presenting drill/exercise conditions.
3. Rules for controlling participant free-play.
4. Methods of interacting with players.
5. Operation of communication systems.
6. Safety precautions (both personnel and plant safety) to be observed.

7. Contingency plans if actual problems arise.
8. Observation and evaluation techniques for evaluating player performance.

Refresher training will be conducted as pre-drill/exercise briefings.

II. SPECIAL EMERGENCY RESPONSE TRAINING GROUPS

A. Local Medical Support Personnel

Selected local Medical Support Personnel are offered annual training in the following areas:

1. basic radiation protection,
2. personnel and equipment decontamination,
3. use of radiation instruments,
4. establishing radiation and contamination control areas,
5. biological sampling, and
6. plant access and reporting requirements.

B. State and Local Governments

Annually (defined as per calendar year), selected state and local emergency response personnel will be offered training in the following areas:

1. emergency classification system and EALs,
2. off-site dose projection methodology,
3. plant protective action recommendation criteria and its relationship to plant conditions, and
4. plant access and reporting requirements.

These officials will also be provided instructions concerning the operation of the EOF/RC. These state and local officials will be requested to participate in the biennial emergency exercise (SSCA 0539 and SSCA 0618).

C. Local Fire Department

1. The Vernon fire department shall annually be trained in the following areas:
 - a. plant layout and fire hazards,
 - b. basic radiation protection needed for fire fighting,
 - c. fire protection system orientation, and
 - d. plant access and reporting requirements.
2. Other Southwestern Fire Mutual Aid District fire departments within the VY 10 mile EPZ are annually offered training in the above mentioned areas.

FINAL CONDITIONS

1. All training attendance will be documented in accordance with AP 0700.
2. All documentation will be retained in accordance with AP 6807.

LPC's

VERMONT YANKEE NUCLEAR POWER STATION

OPERATING PROCEDURE

OP 3510

REVISION 25

OFF-SITE AND SITE BOUNDARY MONITORING

USE CLASSIFICATION: REFERENCE

LPC No.	Effective Date	Affected Pages
1	01/23/02	11,13,14,19,20,21,23,24 & 25 of 29

Implementation Statement: N/A

Issue Date: 10/09/01

LPC 1

- 7. Perform the following surveys (steps A.7.a through A.7.c can be performed in parallel).
 - a. Using the PIC-6, perform the following survey: (Use RM-14 if dose rate is less than 1 mR/hr.)

NOTE

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

1) Monitor the radiation level at waist height. _____

Counts per minute _____, or

mR/hr _____, or

R/hr _____

Time _____

2) Check the radiation level 2 inches above the ground. _____

Counts per minute _____, or

mR/hr _____, or

R/hr _____

c. Move to a low background area and use the RM-14 to perform the following:

- 1) Check RM-14 background level. Find an area that is <2000 cpm.

Record background: _____ cpm _____

- 2) Remove silver zeolite cartridge, wrap in parafilm, and place in probe holder on RM-14. Place filter paper in properly labeled envelope (see Fig. 1).

- 3) Place the probe directly over the silver zeolite and obtain count rate of sample after the needle stabilizes.

Record gross count rate: _____ cpm _____

- 4) Correct for background in the following manner:

Gross Count Rate (from Step A.7.c.3) _____ cpm

minus -

Background (from Step A.7.c.1) _____ cpm

equals =

NET cpm _____ cpm _____

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I } LPC 1

8. Reporting air sample results:

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

- 1) Refer to Table I "NET cpm" column and locate net cpm value of Step A.7.c.4 above and note the corresponding "Air Code" number.

Record "Air Code" number: _____

- 2) Report the "Air Code" number and the sample collection time to the appropriate facility.

b. If the air sample is not a standard air sample, inform the appropriate facility that this is a "NON-Standard" air sample and record and report as applicable:

- 1) Time ON: _____
- 2) Flow ON: _____ cfm
- 3) Time OFF: _____ or total minutes: _____
- 4) Flow OFF: _____ cfm
- 5) Air sample NET cpm from Step A.7.c.4 above. _____

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

9. Check and log on Section A, Step 2.d high range dosimeter reading. Notify the appropriate facility by radio in the event of high range dosimeter exceeds 1 R. _____

10. Contact the appropriate facility and request further instructions. _____

11. If a new location is assigned, repeat Steps A.7 through A.11 as required.

LPC 1

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LPC 1

5. Contact the appropriate facility and say: (EOF or TSC) this is (specify team) Team. We are in the ready condition, what is the wind direction and type of release? Over."

a. Record Wind Direction: _____

b. Record Type of Release: _____

c. Record RM-14 Background Level: _____cpm

"(Specify team) Team will be proceeding to the downwind sector unless you have special instructions for us. Over."

6. Unless otherwise specified by the EOF or TSC, as applicable:

Green Team proceeds directly to inner (green) down wind sample location.

Blue Team proceeds to vicinity of outer (blue) sample location and attempts to locate the approximate centerline of plume prior to taking air sample.

NOTE

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

7. While enroute, team passenger holds probe of RM-14 inside car window (shielded from wind) and notes the approximate location at which the background level recorded in B.5.c above doubles.

Record Location: _____

LPC 1

- 8. While enroute, record additional readings at easily identified landmarks:

<u>Location</u>	<u>Time</u>	<u>Reading (Circle one)</u>
_____	_____	_____ (RM-14) (PIC-6)
_____	_____	_____ (RM-14) (PIC-6)
_____	_____	_____ (RM-14) (PIC-6)
_____	_____	_____ (RM-14) (PIC-6)
_____	_____	_____ (RM-14) (PIC-6)

NOTES

- Announce actual measurements over radio: simply refer to them as "counts per minute", "mR/hr", or "R/hr".
- Step B.9 below for "blue" team only. (Green team proceed to step B.10.)

LPC
1

- 9. Blue Team, in the vicinity of the outer (blue) sample location on map, seek out nearest roads crossing the direction of the plume and determine the location of the maximum reading as precisely as possible.

NOTE

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

- a. Record the following:

Location: _____

Dose Rate Reading: _____ (RM-14) (PIC-6)

Time: _____

b. Contact the appropriate facility and advise the radio operator your team is on location and summarize the results of Steps B.7, 8, and 9.

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LPC 1
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10. Green Team, contact the appropriate facility and advise radio operator your team is on location and summarize the results of Steps B.7 and 8.

NOTE

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

11. Upon arrival at sampling location, ensure that the release cloud has arrived by observing stable elevated RM-14 or PIC-6 background, or by calculating arrival time based on wind speed.

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LPC 1

12. Perform the following surveys: (steps B.12.a through B.12.c can be performed in parallel).

a. Using the PIC-6, perform the following survey: (Use RM-14 if dose rate is less than 1 mR/hr.)

NOTE

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

1) Monitor the radiation level at waist height.

Counts per minute _____, or

mR/hr _____, or

R/hr _____

Time _____

c. Move to a low background area and use the RM-14 to perform the following:

- 1) Check RM-14 background level. Find an area that is <2000 cpm.

Record Background: _____ cpm _____

- 2) Remove silver zeolite cartridge, wrap in parafilm, and place in probe holder on RM-14. Place filter paper in properly labeled envelope (see Fig. 1).

- 3) Place the probe directly over the silver zeolite and obtain count rate of sample after the needle stabilizes.

Record gross count rate: _____ cpm _____

- 4) Correct for background in the following manner:

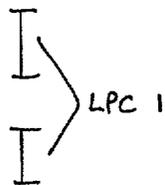
Gross Count Rate (from Step B.12.c.3) _____ cpm

minus -

Background (from Step B.12.c.1) _____ cpm

equals =

NET cpm _____ cpm _____



NOTE

Telephone - In the event of a radio breakdown, proceed to nearest available phone and call 802-257-7711 or 802-257-5271.

13. Reporting air sample results:

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

- 1) Refer to Table 1: "Net cpm" column and locate Net cpm value of Step B.12.c.4 above and note the corresponding "Air Code" number.

"Air Code" number: _____

- 2) Report the "Air Code" number, the sample collection time, and location to the appropriate facility.

a) To make initial call, say:

"(EOF or TSC), this is _____ (specify team color) Team. Over." _____

b) When the facility responds, say:

"We are located at _____ and our sample is from _____. The sample result is Air Code # _____. The sample collection time is _____. Over". _____

- c) In the event radio communications cannot be established at sampling locations, seek higher elevations, then attempt to contact appropriate facility or relay message through other teams.

b. If the air sample is not a standard air sample, record as applicable:

- 1) Time ON: _____
- 2) Flow ON: _____ cfm
- 3) Time OFF: _____ or total minutes: _____
- 4) Flow OFF: _____ cfm

ILPC 1

LPC 1

- 5) Air sample Net cpm from Step B.12.c.4 above.
- 6) Report the air sample information and location to the appropriate facility.

a) To make initial call, say:

"(EOF or TSC), this is _____ (specify team color) Team. Over." _____

b) When the facility responds, say:

"We are located at _____ and our sample is from _____. The air sample results are (report results from B.13.b.1 through 5, above). This is a "NON-Standard" air sample. Over". _____

c) In the event radio communications cannot be established at sampling locations, seek higher elevations, then attempt to contact appropriate facility or relay message through other teams.

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

LPC 1

14. Check and log on Section B Step 2.d high range dosimeter. Notify the appropriate facility by radio in the event a high range dosimeter exceeds 1 R. _____

15. Survey your equipment and yourselves for contamination using the RM-14.

16. If contamination is found, notify the appropriate facility.

17. Contact the appropriate facility and request further instructions.

LPC 1

18. If a new location is assigned, perform Section B as required.

VERMONT YANKEE NUCLEAR POWER STATION

OPERATING PROCEDURE

OP 3531

REVISION 14

EMERGENCY CALL-IN METHOD

USE CLASSIFICATION: **REFERENCE**

LPC No.	Effective Date	Affected Pages
1	08/24/01	5,7 & 8 of 19
2	12/18/01	13 of 19

Implementation Statement: N/A

Issue Date: 08/07/01

LPC
2

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

"The Event Type is a Test"

- 3) The CAN Operator will ask you the **Event Time** (which is the declaration time: _____ hours).
- 4) The CAN Operator will then tell you which of the following 800 telephone numbers should be used for pager holder call-backs:

___ 739- [REDACTED]

___ 794- [REDACTED]

___ Other: _____ - _____

- 5) Record the following:
Date _____ Time _____ Person Contacted _____
and hang up.
Initials (Security) _____

d. Activate the VY Pager System as follows:

- 1) Dial 9- [REDACTED].
- 2) After hearing the verbal prompt, dial in password 5787.

NOTE

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

- 3) After hearing the verbal prompt, press the following buttons:
000 800 XXX XXXX
- 4) Hang up.

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

Status/Outcome: _____

LPC 2

LPC
2