

CHANGE 16 TO THE YANKEE EMERGENCY PLAN-IMPLEMENTING PROCEDURES

1. Following the tab TABLE OF CONTENTS remove existing table of contents and insert attached table of contents Rev. 15, dated 8.26.82
2. Following the tab COORDINATION & COMMUNICATION remove existing procedure and insert attached procedure Rev. 1.
3. Insert attached tab EMERGENCY DEESCALATION in front of EMERGENCY EXPOSURE CONTROL.
4. Insert attached tab COMPUTER OPERATION IN FRONT OF PROTECTIVE ACTION RECOMMENDATIONS.

YANKEE NUCLEAR POWER STATION
IMPLEMENTING PROCEDURES TO THE EMERGENCY PLAN
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COORDINATION AND COMMUNICATIONS DURING AN EMERGENCY

SCOPE

To describe the operation and use of the Plant telephones, radio, Nuclear Data link, Health Physics Network (HPN), Emergency Notification System (ENS), Nuclear Alert and Vermont Governors Line.

ENCLOSURES

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Attachment "A" Plant Telephone Pgs. 1-3 Original
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OPF-3345.2 thru .5 Original

REFERENCES

DISCUSSION

A description of some of the communications functions and equipment used is given in the procedure, along with the approximate time when they will be used. The attachments give a description and use of the various communications systems and their use.

PROCEDURE

The procedure is broken into the following areas:

- A. Announcement of Emergency
- B. Notification of States (Initial)
- C. Notification of NRC/Federal Coordination
- D. Call-In of Off-Duty Staff
- E. Off-Site Sampling
- F. Road Barricade Teams
- G. Coordination with Yankee NSD
- H. Radiation Appraisal and Coordination With States
- I. Health Physics Network (HPN Black Phone)

The attachments concern into the following equipment:

1. Attachment "A" Plant Telephone
2. Attachment "B" Radio
3. Attachment "C" Emergency Notification System
4. Attachment "D" Health Physics Network
5. Attachment "E" Nuclear Alert
6. Attachment "F" Vermont Governor's Lines

A. ANNOUNCEMENT OF EMERGENCY

Parties: Control Room operator to the general plant.
Equipment: Gaitronics
Timing: Immediately following the classification of the emergency by the Control Room operator or Shift Supervisor. The classification procedure, OP-3300, leads to one of the emergency class procedures, OP-3301, OP3302, OP-3303, OP-3304 which correspond to Unusual Event, Alert, Site Area and General respectively.

Description: The operator or Shift Supervisor makes the announcement of the emergency conditions and classification using the gaitronics. This action is a procedural step of the four emergency class procedures. The announcement should be made slowly and deliberately to avoid confusion. Prepared text accompanies the procedural step for the announcement. The announcement is normally repeated a second time. In the event an evacuation is required, the complete message should be announced and repeated prior to activating the evacuation signal. During the time the evacuation signal is activated essentially no gaitronics calls can be heard. The suggested approach is to sound evacuation for thirty seconds; stop and allow important calls, then activate it again for thirty seconds.

B. NOTIFICATION OF STATES (Initial)

Parties: Emergency Director to the State Police

Equipment: Nuclear Alert Phone (ORANGE phone)

Timing: This call is made no longer than fifteen minutes after the Control Room operator(s) classify the emergency using OP-3300.

Description: The Emergency Director either makes this call personally or may assign someone to do it. The text of the message and the procedural step requiring the call exist in the four emergency class procedures, OP-3301, OP-3302, OP-3303, and OP-3304. The purpose of the notification is as an activating action to cause the state to initiate their emergency plan in accordance with the specific emergency class identified in this notification. The person at the state police station receiving the notification is a dispatcher. Only the text listed in the emergency class procedure for this notification should be transmitted. This will avoid confusion and lead to a smooth state activation. After receipt of the notification, the state police procedure is to call the plant back to confirm the notification. This important validation step prevents state activation of the emergency plan inadvertently. Further communication with the state authorities is discussed in Section H.

C. NOTIFICATION OF NRC/FEDERAL COORDINATION

- Parties: Emergency Director to the NRC representative
- Equipment: Emergency Notification System (ENS-RED phone). For further information, see Attachment "C"
- Timing: This call is made within sixty minutes after the Control Room classifies the accident per OP-3300.
- Description: The Emergency Director may designate a person to make this notification. The caller simply picks up the receiver to call the NRC. Information to be transmitted is listed in form OPF-3345.1 of this procedure. The NRC requires that this communications link be kept open. An individual from the Technical Support Center should be assigned to fill this function.

In the case of coordination with the federal emergency response organizations, the NRC serves as a focal point having the responsibility of drawing on any or all of the federal capabilities to aid in the emergency. Long term communications with the NRC using the ENS system, Health Physics Network system¹, or normal telephones should continue throughout the emergency. The responsibility for key communications over these systems is as follows:

Emergency Director - Initial contact and follow until the TSC is manned.

TSC Coordinator Takes over this responsibility from the Emergency Director. Primarily physical plant concerns.

Emergency Coordinator Responsible for this level of communications from the EOF, primarily radiological federal support or advice.

Recovery Manager Long term federal assistance of any nature.

¹ See Attachment "D"

D. CALL-IN OF OFF-DUTY STAFF

Parties: Plant Security Staff to Off-Duty Plant Staff

Equipment: Radio Page System and telephone. For further information see Attachments "B" and "A" respectively. In addition to the radio page described in Attachment "B", the plant makes use of a commercial radio paging service primarily for the area East of the plant. Activation of these systems is covered in specific procedural steps.

Description: Key emergency responders are contacted using the radio page system which is initiated from the Control Room. The other emergency response force is contacted using a telephone fan-out procedure. According to this procedure, a small number of people are contacted directly by the plant. They each in turn contact additional personnel and so on.

E. OFF-SITE SAMPLING

Parties: Radio operator at the EOF and the off-site monitoring teams.

Equipment: Radio For further information see Attachment "B"

Timing: Continuous from dispatch of teams to their return.

Description: Sample Coordinator (SC) or Radiological Evaluation Assistant (REA) will direct and coordinate teams. Information/instructions will go through the radio operator.

The radio operator or an assistant, logs information on the appropriate forms and conveys to the SC. Form OPF-3345.2 is used for assigning sample code numbers. Form OPF-3345.3 is used for sample tracking and calculations by the Sample Coordinator and other authorized personnel. OPF-3345.4 is a general message form for use in non-sample related communications such as requests for assistance. OPF-3345.5 is a diagram showing possible communications lines with the radio operator at the EOF for use in training.

All teams must monitor radio transmissions and relay messages as necessary.

F. ROAD BARRICADE TEAMS

Parties: Radio operator and Road Barricade Teams
Equipment: Radio For further information see Attachment "B"
Timing: From the time the teams are dispatched to the time they return.
Description: There are two objectives involved with communications to the road barricade teams: the first is the personal safety of the teams, the second is transfer of information relative to their function.

In the case of personal protection, the EOF or an off-site monitoring team would advise the road barricade team of radiological hazards and recommended protective actions.

In the case of the road barricade function, the teams would communicate information regarding their location, problems with vehicles being stopped, vehicles to be allowed to pass, and relief by the state police. State police take over of the access function should occur within two or three hours following declaration of a SiteArea or General Emergency. The road barricade teams would be called back at that time. Communications problems should be handled by using a relaying of messages technique to overcome terrain problems. Off-site monitoring teams or other road barricade teams should be contacted for this purpose.

OPF-3345.4 is a general message form for use by the radio operator or his assistant in documenting all messages from and to the Road Barricade Teams. OPF-3345.5 is a diagram showing possible communications lines with the radio operator at the EOF for use in training.

G. COORDINATION WITH YANKEE NSD

Parties: TSC, EOF and Control Room with ESC.
TSC = Technical Support Center (Yankee Rowe)
EOF = Emergency Operations Facility (Yankee Rowe)
ESC = Engineering Support Center (Yankee Framingham)

Equipment: Telephone For further information see Attachment A.

Timing: Commencing early in the emergency and continuing throughout.

Description: The purpose of this communication is to enable the plant to make use of the extensive engineering staff at Framingham to assist in diagnosing and developing strategy to deal with the emergency. The TSC and Control Room are primarily concerned with the physical plant whereas the EOF concern lies primarily with radiological assessment and coordination with the state and federal emergency organizations. Specific communications operators are assigned at the TSC and the EOF to handle this task. In addition, a computer data link called the Nuclear Data Line (NDL) is provided. This NDL provides data input at the TSC to be displayed at the ESC and the EOF.

H. RADIATION APPRAISAL AND COORDINATION WITH STATES

Parties: EOF, TSC and ESC with the State Departments of Health and the State Civil Defense.

Equipment: Nuclear Alert (see Attachment "E")
Plant Telephones (See Attachment "A")

NOTE: Two special outside telephone lines have been installed to insure access to the plant by the Departments of Health of Massachusetts and Vermont.

Vermont Governor's Phone (See Attachment "F")

Timing: After initial notification to the states via the contact with the state police using the Nuclear Alert System1, the state police contact the appropriate state emergency staff. The Vermont and Massachusetts Departments of Health are the designated agencies to conduct this functions for the states. It is the responsibility of the state police to contact these agencies at any time and the Departments of Health in turn call in to Yankee Rowe. This initial return call should be handled by the Control Room (Emergency Director or designee) and serves the purpose of describing the emergency in more detail than the classification. In the case of severe emergencies there is a time goal of thirty minutes from the time of classification to the time public notification occurs. This public notification and the instructions given to the public are dependent on decisions by the Departments of Health.

In the case of emergencies which develop over a period of hours or days, the Departments of Health would be moving to their offices and dispatching a representative directly to the EOF. At the time this representative arrives, it is intended that this person would be advised of the emergency on an ongoing basis and would in turn convey this information to the respective Department of Health.

Until this time, however, the EOF would communicate to the appropriate Department of Health person using either the telephone, the Nuclear Alert or in the case of Vermont, the Vermont Governor's phone.

For communications with the Department of Health personnel, the assigned person is the Radiological Evaluation Assistant at the Yankee Rowe EOF. In the case of communications with the State Civil Defense or other government officials or agencies, the assigned Yankee person would be the Emergency Coordinator or the Coordinator's Assistant.

1 Refer to Section B of this procedure

I. HEALTH PHYSICS NETWORK (HPN BLACK phone)

- Parties: NRC representatives and the Health Physics Representatives from Yankee Rowe.
- Equipment: Health Physics Network (HPN BLACK phone) for further information see Attachment "D"
- Timing: The NRC will normally initiate this communication once they have assembled their designated representatives qualified in Health Physics.
- Description: The BLACK (HPN) phone will ring at Yankee Rowe's Emergency Off-Site Facility (EOF) and be answered by either the Radiological Evaluation Assistant, the Sample Coordinator or the Emergency Coordinator or his assistant. Information concerning releases of radioactive material from the site, meteorological data, projected doses and dose rates, and the radiological conditions on-site is to be transmitted to the NRC via this link. There is also an HPN phone in the Technical Support Center should information direct from that location be needed by the NRC.

DISCUSSION

The plant telephone allows the user to call in-plant extensions or access lines outside the plant. The features of the system give the user a great deal of flexibility to meet communications during an emergency.

The telephones which will be used during an emergency have access to six tie lines to NSD, three Monroe Bridge exchange lines, three Shelburne Falls exchange lines, three Massachusetts WATS, and one tie line to Westboro.


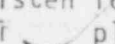
During an emergency the system offers the following features:

1. Automatic Callback allows the use to call back a busy extension when it becomes free.
2. Call Hold To put a call on hold.
3. Call Pick-Up To answer a phone in your area
4. Call Waiting Signal Will send three 'beeps' to a busy extension notifying them of an important call.
5. Executive Override Allows the user to cut into a busy extension.
6. Three-Way Conversation To connect three extensions.
7. Transfer To transfer a call.
8. Trunk Answer Night Bell To answer an incoming call when the Night Bell is ringing.
9. Trunk Queuing To be called back when a busy outside line becomes free.

In the event of a failure of the PBX, the communications ability is reduced, but not lost. Selected telephones are connected to outside lines and are able to receive incoming calls and make outgoing calls.

PROCEDURE

A. NORMAL OPERATION

1. To call an in-plant extension; listen for dial tone, dial the three digit extension.
2. To call NSD; listen for dial tone, dial  listen for dial tone, dial  plus the extension.

- 3. To make a call outside the plant; dial the access code, listen for dial tone, dial the telephone number.

<u>CODE</u>	<u>EXCHANGE</u>
	Shelburne Falls
	Monroe Bridge
	Mass. WATS
	Mass. WATS
	New England WATS
	Monroe Bridge

- 4. To call Westboro; dial , listen for dial tone, dial the extension.

- 5. Tones associated with the system and use of features:

TONES

- Dial Tone A continuous steady tone
- Recall Dial Tone Three short tones followed by dial tone
- Confirmation Tone Three short tone.
- Siren (intercept) Tone Alternating high and low "Siren" tone (dialing error made or feature denied)
- Reorder (Fast Busy) Tone Call temporarily blocked try later

<u>FEATURE</u>	<u>WHAT</u>	<u>PROCEDURE</u>
Executive Override	Connect to busy extension	Dial (dial tone) dial extension
Automatic Call Back	To activate	Dial (dial tone) - Dial extension (confirmation tone) hang up and wait for (3) ring back
Call Hold	To Hold	Depress switchhook (Recall dial tone) dial dial tone) lay handset down or:
	To call another number to alternate	Dial extension or number depress switchhook (recall dial tone) dial connected to held call
	To return to held	Hang up telephone will ring answer.
Call pickup	To pickup to hold then pickup	Dial hold call as above then dial

Call Waiting Signal	Send 3 'beeps'	Dial (dial tone) dial extension
Three-way Conversation switch	Add third party	Depress switchhook (recall dial tone) dial extension party answers depress hook.
Transfer answers	Transfer to third party	Proceed as above party announce call then hang up.
Trunk Answer Night Bell	Answer incoming	Dial
Trunk Queuing desired code)	In line for outside line	Dial access code receive confirmation hang up wait for three shot rings dial number (DO NOT dial access

B. POWER FAILURE MODE

1. During a PBX power failure the following extensions are connected to the following numbers:

EXT.NO.

LINE

2. Incoming calls will be received only on the associated lines and cannot be transferred.
3. Outgoing calls may only be made from rotary dial telephones with power fail buttons. To operate:
Depress the power fail button to get dial tone and then dial number
4. In-plant calls cannot be made.

DISCUSSION

The two-way radio system provides an emergency means of communications to and from the plant. We may communicate with New England Electric System base stations, such as Harriman, North Adams and Wilder, and with our own porta-mobile units and security radios.

The system consists of a 100 watt base station and four remote control units. The base station transmitter is mounted near Blister 4E outside the Vapor Container. The antenna is mounted on top of the Vapor Container.

The call letters are _____ and should be used when transmitting on the base station. There are two assigned frequencies, _____, MHz. Frequency #1 (_____ MHz) is to be used for general plant business when communicating between the Control Room, porta mobile units and security. Frequency #2 (_____ MHz) is to be used when communicating with other base stations in the New England Electric System.

There are three remote control units with controls, identical to the base transmitter located in the Control Room. They are located at the Gatehouse, EOF, Secondary Alarm Station (SAS) and Control Room. An intercom button allows internal communication between the remote stations.

Slected plant personnel may be "paged" from the encoder located in the Control Room.

PROCEDURE

1. TO TRANSMIT:
 - a. Select frequency _____ (MHz for Emergency Operations)
 - b. Depress microphone button and speak into microphone.
 - c. Close with station call letters, _____
2. TO RECEIVE:
 - a. Insure microphone button is released.
 - b. Adjust volume to appropriate level.
3. TO USE INTERCOM:
 - a. Depress intercom button and microphone button.
 - b. Speak into microphone.
4. TO PAGE:
 - a. Select desired frequency on the encoding unit in the Control Room.
 - b. Press the button to activate the tone.

DESCRIPTION

The Emergency Notification System (ENS) consists of automatic ringdown telephones which connect the plant to the NRC. They are to be used to notify the NRC of significant events. Their use and operation is covered in OP-Memo 2A1.

Extensions of the ENS are located in the Control Room, TSC, EOF and Resident Inspector's trailer.

PROCEDURE

1. To initiate a call, pick up the receiver and wait until it is answered.
2. When the telephone is answered, identify yourself and that you are calling from Yankee Atomic Electric Company in Rowe, Massachusetts. DO NOT hang up until the NRC hangs up. Refer to OPF-3345.1 for a guideline on information to be given to the NRC.
3. The following events are to be reported to the NRC.
 - 1) Any event requiring initiation of the Emergency Plan or any section of the Emergency Plan;
 - 2) The exceeding of any Technical Specification Safety Limit. (Technical Specification Section 2.1.1 or 2.1.2)
 - 3) Any event that results in the nuclear power plant not being in a controlled or expected condition while operating or shutdown.
 - 4) Any situation that threatens the safety of the nuclear power plant or site personnel, or the security of special nuclear material, including instances of sabotage or attempted sabotage.
 - 5) Any event requiring initiation of shutdown of the nuclear power plant in accordance with Technical Specification Limiting Conditions for Operation.
 - 6) Personnel error or procedural inadequacy which, during normal operation, anticipated operational occurrences, or accident conditions, prevents or could prevent, by itself, the fulfillment of the safety function of those structures, systems, and components important to safety that are needed to (i) shutdown the reactor safely and maintain it in a safe shutdown condition, or (ii) remove residual heat following reactor shutdown, or (iii) limit the release of radioactive material to acceptable levels or reduce the potential for such release.

- a) For Yankee-Rowe, the systems and components are defined as the Safety Classified Systems and Components and the Reactor Protective and Engineered Safeguards Systems.
- 7)* Any event resulting in manual or automatic actuation of Engineered Safety Features, including the Reactor Protection System.
- 8) Any accidental, unplanned or uncontrolled radioactive release. (Normal or expected releases from maintenance or other operational activities are not included).
- 9)** Any fatality or serious injury occurring on the site and requiring transport to an offsite medical facility for treatment.
- 10) Any serious personnel radioactive contamination requiring extensive on-site decontamination or outside assistance.
- 11) Any event meeting the criteria of 10 CFR 20.403 for notification.
 - a) Exposure of the whole body of any individual to 5 REMS or more or radiation; exposure of the skin of the whole body of any individual to 30 REMS or more of radiation; or exposure of the feet, ankles, hands or forearms of 75 REMS or more at radiation; or
- * Actuation of Engineered Safety Features including the Reactor Protection System which resulted from and are part of the planned sequence during surveillance testing does not constitute an event reportable under this item. [Ref. 3]
- ** Serious Injury is considered to be any injury that, in the judgement of the licensee representative, will require admission of the injured individual to a hospital for treatment or observation for an extended period of time (greater than 48 hours) [Ref. 3]
 - b) The release of radioactive material in concentrations which, if averaged over a period of 24 hours, would exceed 500 times the limits specified for materials in Appendix B, Table II of 10 CFR 20; or
 - c) A loss of one day or more of the operation of any facilities affected (due to any incident involving licensed material); or
 - d) Damage to property in excess of \$2,000 (due to any incident involving licensed material).
- 12) Strikes of operating employees or security guards, or honoring of picket lines by these employees.

With respect to these items, the following actions shall be taken:

- 1) Higher Plant Management (Duty Officer) shall be immediately notified.
- 2) As soon as possible and in all cases, within one hour of the occurrence an open, continuous communications channel shall be established with the NRC, identifying that this event is being reported pursuant to 10 CFR 50.72, notify the NRC of the details of the occurrences, and maintain the line open until the NRC authorizes its closing.
 - a) If a Site or General Emergency has been declared the Emergency Coordinator or Emergency Director should complete the call.
 - b) If a Site or General Emergency has not been declared the Higher Plant Management (Duty Officer) or Shift Supervisor should complete the call.

4. In the event that the NRC cannot be contacted, the following alternatives should be used in the order given:

Commerical Telephone System to
NRC Operations Center
(via Bethesda Central Office)

Commerical Telephone System to
NRC Operations Center
(via Silver Spring Central Office)

Health Physics Network to
NRC Operations Center

22

Commercial Telephone System to
NRC Operator
(via Bethesda Central Office)

TESTING

The NRC, ENS [RED] PHONE system will be tested by the NRC on the evening shift according to the enclosure, "Testing OPX Telephone Network".

During this test the NRC will request the status of the facility. He should be given the present Plant status (operating or shutdown) and the power level.

IN CASE OF CIRCUIT TROUBLE

If the NRC cannot be contacted, trouble in the system should be reported to A.T. & T. at:

First: A.T. & T. at Silver Springs Control Officer:
Tel: , or

Then: A.T. & T., Springfield, MA
Tel:

The Duty Officer at the NRC Operations Center should be immediately notified at

DISCUSSION

The Health Physics Network (HPN) is intended for use as a dedicated line between the NRC headquarters and the plant during emergencies. Extensions of the HPN are located in the TSC, EOF and the Resident Inspector's trailer. The HPN may be used for reporting emergencies to the NRC after other methods have failed.

PROCEDURE

1. There is no dial tone on the network, therefore, it is only necessary to pick up the receiver and dial the number.
2. To call NRC Region I office dial
3. To call NRC headquarters dial ✓

DISCUSSION

The Nuclear Alert Telephone is a party line phone between the Nuclear Alert Stations which utilize the Microwave System for communications. The telephone operation is similar to a phone/gaitronic system. Stations are contacted by dialing the appropriate digits. Any number of the stations can be contacted and can be on the line at the same time. Thus, conversation between several stations, party arrangement, may be conducted.

PROCEDURE

1. For initial notification to the State Police Centers of Massachusetts, New Hampshire and Vermont, Control Room personnel will perform the following:

a. Pick up handset and press the numbers \

NOTE: All State Police Centers should answer.

b. Wait about 15 seconds, or until all acknowledge, whichever occurs first then announce the message as prescribed in the appropriate emergency procedures.

2. If the system is to be used as a means of communications between the Emergency Operations Facility (EOF) (primary or alternate) and the two States Emergency Operations Centers (EOC's)(primary), the EOF or EOC personnel will perform the following:

a. For a Group Call to the facilities listed in 2. above:

(1) Pick up handset and press the numbers

(2) Wait about 15 seconds, or until all acknowledge, whichever occurs first, then announce the message to be given over the system.

b. For a Single Call to any facility:

(1) Pick up handset and press the number listed beside the facility you are calling. (See Attachment for number listing).

STATION

INDIVIDUAL NUMBERS

CONTROL ROOMS

Yankee Rowe -----

Vermont Yankee -----

EMERGENCY OPERATING CENTERS

- Belchertown, MA -----
- Brattleboro, VT -----
- Concord, NH -----
- Framingham, MA -----
- Keene, NH -----
- Montpellier, VT -----

EMERGENCY OPERATION FACILITIES

- Furlon House (Yankee Rowe) -----
- Governor Hunt House (Vermont Yankee) -----
- Shelburne Falls (Yankee Rowe alternate) -----
- W. Brattleboro Office (Vermont Yankee alternate) -----

STATE POLICE

- Massachusetts State Police -----
- New Hampshire State Police -----
- Vermont State Police -----
- New Hampshire State Police (Radio Room) -----

MISCELLANEOUS

- Engineering Support Center (Framingham) -----
- Gatehouse (Yankee Rowe) -----
- NEPSCO Mux Room -----

STATION

- Control Room (VY) -----
- State Police (MA) -----
- State Police (NH) -----
- State Police (VT) -----
- Control Room (YR) -----
- State Police (MA) -----
- State Police (NH) -----
- State Police (VT) -----
- Emergency Operations Facility (VT) -----
- Emergency Operations Facility (Alt. VT) -----
- Emergency Operating Center (MA) -----
- Emergency Operating Center (NH) -----
- Emergency Operating Center (VT) -----

V

Emergency Operations Facility (YR) -----

Emergency Operations Facility (Alt. YR) -----

Emergency Operating Center (MA) -----

Emergency Operating Center (VT) -----

DISCUSSION

The Vermont Governor's line is a private telephone system which connects to Yankee facilities with emergency operating centers, Vermont Civil Defense and the Vermont Executive Office.

The system may be used to establish reliable communications among on-site and off-site organizations responsible for various aspects of an emergency response.

PROCEDURE

1. Pick up the receiver and dial the appropriate two digit number. Dial tone is not required.

2. Select the appropriate number from the following list:

- Civil Defense in Montpelier, Vt. -----
- Executive Office in Montpelier, Vt. -----
- State Police, Rockingham, VT.-----
- Vermont Yankee -----
- District Highway, Brattleboro, Vt.-----
- Yankee Rowe Plant -----
- Yankee Rowe, EOF -----
- Group Call (no Governor) -----
- All Call -----

3. The telephone located in the Operations Office is installed to allow the Vermont Health Department to call in to the plant. This phone will allow verification of an event when other phones are not working.
4. The telephone located in the EOF will be used by Vermont State liaison personnel.

CHECKLIST FOR NOTIFICATION OF SIGNIFICANT EVENTS

A. Identification:

Date _____ Time _____ Name of Person Making Report _____

Licensee _____ Facility Affected _____

Applicable Part of 10 CFR 50.72 _____

B. Description:

Date of Event _____ Time _____

Description of What Happened _____

C. Consequences of Event: (Complete depending on type of event)

Injuries _____ Fatalities _____

Contamination (personnel) _____ (property) _____

Overexposures (known/possible) _____

Safety Hazards (describe actual/potential) _____

Offsite Radiation Levels _____

Integrated Dose _____ Location _____

Meteorology (wind speed) _____ From (direction) _____

Weather Conditions (rain, clear, overcast, temperature) _____

Equipment/Property Damage _____

D. Cause of Event: _____

E. Licensee Actions:

Taken: _____

Planned: _____

Emergency Plan Activated (YES/NO) _____ Classification of Emergency 1 _____

Resident Inspector Notified (YES/NO) _____ State Notified (YES/NO) _____

Press Release Planned (YES/NO) _____ New Media Interest (YES/NO) _____

Local/National _____

F. Current Status: (Complete depending on type of event)

1. Reactor Systems Status _____

Power Level Before Event _____ After Event _____

Pressure _____ Temp. (t_{hot}) _____ (t_{cold}) _____

RCS Flow (YES/NO) _____ Pumps On (YES/NO) _____

Heat Sink: Condenser _____ Steam Atm. Dump _____

Other _____ Sample Taken (YES/NO) _____ Activity Level _____

ECCS Operating (YES/NO) _____ ECCS Operable (YES/NO) _____

ESF Actuation (YES/NO) _____

PZR or RX Level _____ Possible Fuel Damage (YES/NO) _____

S/G Levels _____ Feedwater Source/Flow _____

Containment Pressure _____ Safety Relief Valve Actuation (YES/NO) _____

Containment Water Level Indication _____

Equipment Failures _____

Normal Offsite Power Available (YES/NO) _____

Major Busses/Loads Lost _____

Safeguards Busses Power Source _____

D/G Running (YES/NO) _____ Loaded (Yes/NO) _____

2. Radioactivity Releases

Liquid/Gas _____ Location/Source _____
Release Rate _____ Duration _____
Stopped (YES/NO) _____ Release Monitored (YES/NO) _____
Amount of Release _____ Tech Spec. Limits _____
Radiation Levels in Plant _____ Area Evacuated _____

3. Security/Safeguards 2

Bomb Threat: Search Conducted (YES/NO) _____ Search Results _____
Site Evacuated (YES/NO) _____
Intrusion: Insider _____ Outsider _____
Point of Intrusion _____ Extent of Intrusion _____
Apparent Purpose _____
Strike/Demonstrations: Size of Group _____
Purpose _____
Sabotage: Radiological (YES/NO) _____ Arson (YES/NO) _____
Equipment/Property _____
Extortion: Source (phone, letter, etc.) _____
Location of Letter _____
Demands _____
General: Firearms involved (YES/NO) _____ Violence (YES/NO) _____
Control of Facility Compromised or Threatened (YES/NO) _____
Stolen/Missing Material _____
Agencies Notified (FBI, State Police, Local Police, etc.) _____

Media Interest (present, anticipated) _____

RADIO OPERATOR'S OFF-SITE MONITORING SAMPLE CODE LOG

SAMPLING LOCATION CODE _____ SAMPLING NUMBER CODE _____

OPF-3345.2
Original

SAMPLE TRACKING FORM

FIELD ANALYSIS	EOF ANALYSIS	SAMPLE IDENTIFICATION
1. Date/Time of Message: _____	1. Date/Time of Analysis: _____	Sample Code _____
2. SURVEY RESULTS:	2. Priority: _____	Sample Team BLK WH
a. Probe Up _____ mr hr-1	3. SAM-2 (1311) _____ CPM	R PRL
b. Probe Down _____ mr hr-1	4. Particulate (RM-14) _____ CPM	
3. AIR SAMPLE RESULTS	5. Analysis	E-LAB RESULTS
a. Time Sample On _____	a. Particular Conc _____ microCicc-1	1. Date/Time of Count _____
b. Length of Sample _____	b. 1311 Conc. _____ microCicc-1	Initials _____
c. Particulate _____ CPM	c. Thyroid Dose Rate _____ RemHr-1	2. Iodine Cartridge
d. Iodine _____ CPM	6. Sample Disposition _____	Isotope _____ Concentration _____
e. Flow Rate _____ CFM	7. Verbal Transmission to REA	_____
4. OTHER MESSAGES	NO YES Date/Time _____	_____
	INITIALS: _____	_____
	COMMENTS:	_____

5. AIR SAMPLE ANALYSIS		3. PARTICULATE
a. Particulate Conc. _____ microCicc-1		Principal
b. Iodine Conc. _____ microCicc-1		Isotopes _____ Concentration _____
c. Thyroid Dose Rate _____ RemHr-1		_____
d. Sample Priority _____		_____
e. Sample Disposition _____		_____
6. VERBAL TRANSMISSION TO REA		4. Thyroid Dose Rate _____ mRem/Hr
NO YES Date/Time _____		5. Sample Disposition _____
INITIALS _____		6. Verbal Transmission to REA
		NO YES Date/Time _____
		INITIALS _____

YANKEE ATOMIC ELECTRIC COMPANY

Rowe, Massachusetts 01367 • Phone (413) 625-6140, 625-6393, 424-5261

MESSAGE

REPLY

TO _____

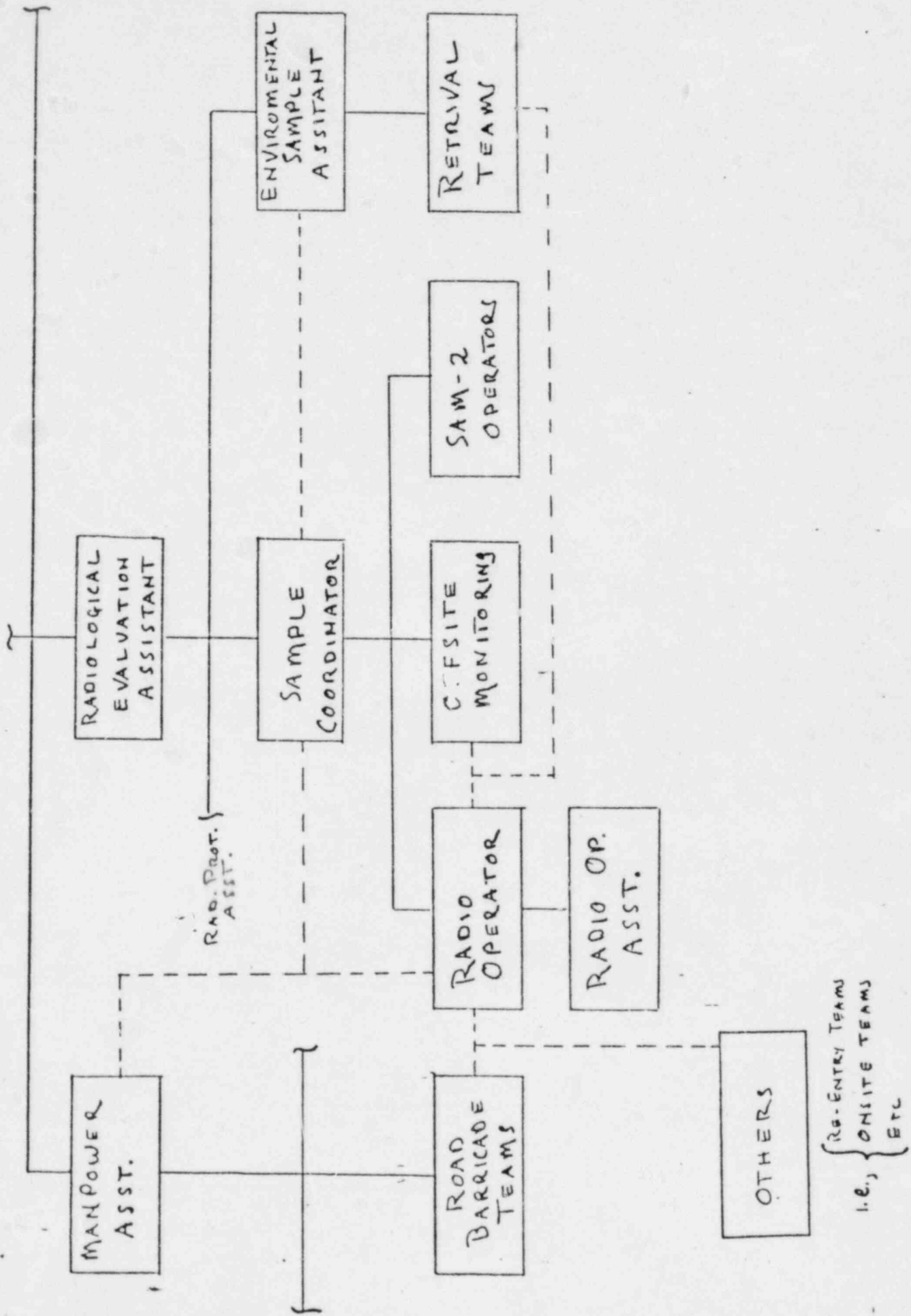
DATE _____

DATE _____

BY _____

SIGNED _____

OPF-3345.4



OPF-3345.5
ORIGINAL

--- COMMUNICATION LINE