

NUMBER	TITLE	CURRENT REVISION							
		#	DATE	#	DATE	#	DATE	#	DATE
2.50.0	Declaration & Categorization of Emer. Cond.	1	3/81	2	9/81	3	6/82		
2.50.1	Notification of Unusual Event	1	3/81	2	9/81				
2.50.2	Alert	1	3/81	2	9/81	3	7/82		
2.50.3	Site Area Emergency	1	3/81	2	9/81	3	7/82		
2.50.4	General Emergency	1	3/81	2	9/81	3	7/82		
2.50.5	Emergency Plan Training and Exercise	0	3/81						
2.50.6	Emergency Equipment Readiness Check	12	1/81	13	4/81	14	9/81	15	1/82
2.50.7	Emergency On-Site Radiation Monitoring Procedure	0	3/81	1	9/81				
2.50.8	Medical Emergency Plan	0	3/81						
2.50.9	Security Force Radiation Emergency Plan	0	3/81	1	9/81				
2.50.10	Evaluation of Radiological Data	1	3/81	2	9/81				
2.50.11	Plant Entry and Recovery Plan	4	6/80	4	7/82				
2.50.12	Emergency Off-Site Radiation Monitoring Proc.	0	3/81						
2.50.14	Emergency Radiation Exposure Control	0	3/81	1	9/81				
2.50.15	Release of Public Information	0	3/81						
2.50.16	Off-Site Protective Action Recommendations	0	3/81						
2.50.17	Emergency Notification	4	7/82						

2.50.2 ALERT

1.0 DISCUSSION:

R An Alert is defined as an actual or potential 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 public protective action.

R An Alert requires action beyond the normal capability of the basic shift complement. The Technical Support Center (T.S.C.) and the Operations Support Center (O.S.C.) are actuated and staffed. The Emergency Operations Facility (EOF) will be activated with the Emergency Coordinator and sufficient emergency assistance personnel to assess off-site radiological impact and coordinate emergency actions.

The decision to make an immediate initial declaration rests with the Emergency Coordinator. Prompt notification is made to off-site authorities cognizant of plant conditions. Public information concerning the event will be provided via appropriate mechanisms.

The following appendices are attached and are to be used as check-off sheets by individuals responsible for implementation of this procedure at the various identified center locations:

	Appendix I	Plant Shift Supt. (Initial declaration is alert)	Pg. 5
	Appendix IA	Plant Shift Supt. (Escalation to alert)	Pg. 9
	Appendix IB	Plant Shift Supt. (De-escalation to alert)	Pg. 13
	Appendix II	Plant Manager	Pg. 15
	Appendix III	Technical Support Center	Pg. 16
R	Appendix IV	Operational Support Center	Pg. 18
R	Appendix V	Emerg. Coordinator (Initial declaration is alert)	Pg. 20
R	Appendix VA	Emerg. Coordinator (escalation to alert)	Pg. 24
R	Appendix VB	Emerg. Coordinator (De-escalation to alert)	Pg. 29
R	Appendix V-1	Radiological Evaluation Asst.	Pg. 30
R	Appendix V-2	Communications Asst.	Pg. 34
R	Appendix V-3	Manpower and Planning Asst.	Pg. 36
R	Appendix V-4	Coordinators Asst.	Pg. 37
R	Appendix VI	Radiological Habitability Assessment	Pg. 38

2.0 OBJECTIVES:

To outline the actions required of plant personnel, visitors, contractors, and other affected personnel when an Alert is declared.

R NOTE: We may get to an Alert Condition in three ways:

1. Our initial declaration may be an Alert.
2. We may escalate to an Alert Condition from an Unusual Event.
3. We may de-escalate to an Alert from a higher Category Emergency.

The above Appendices will address each of these cases.

3.0 PREREQUISITE:

1. An Alert has been declared per Procedure 2.50.0, "Declaration and Categorization of Emergency Condition".

4.0 PROCEDURE:

- R 1. Having recognized the emergency condition and classified it as an Alert according to Procedure 2.50.0, "Declaration and Categorization of Emergency Condition", the Plant Shift Superintendent will assume the duties specified in Appendix I, IA, or IB.
2. After being notified of the Alert, Plant Manager or his designated alternate will carry out the actions specified in Appendix II.
3. The Technical Support Center Coordinator will respond and perform the actions specified in Appendix III.
- R 4. The Operational Support Center Coordinator will respond and perform the actions specified in Appendix IV.
- R 5. The Emergency Coordinator/On-Call Supervisor will respond and perform those actions specified in Appendix V, VA, or VB.
6. The Emergency Operation Facility (EOF) will be activated and those personnel with EOF duties will respond and perform the actions specified in Appendices V-1 thru V-4.

FINAL CONDITIONS:

1. When the Alert condition has been brought under control and plant conditions have stabilized to the satisfaction of the Plant Shift Superintendent, Shift Technical Advisor and the Emergency Coordinator, the Emergency Coordinator may in accordance with Procedure 2.50.0, "Declaration and Categorization of Emergency Condition", Step 7.4, declare the emergency condition terminated.
2. The Emergency Coordinator will instruct the Plant Shift Superintendent to announce on the FEMCO system that the Alert Event is ended.
3. The Emergency Coordinator will close out the event by issuing verbal summaries in accordance with procedure 2.50.17, "Emergency Notification".

OR

It may be necessary to escalate or de-escalate the emergency classification as deemed necessary by the Emergency Coordinator.

NOTE: The Emergency Coordinator should ensure that the NRC, MBCEP, CMP, and YAEC have been notified in step 3 above.

- 4. Public information statements will be prepared and released by Maine Yankee Corporate office personnel at the Central Maine Power Company, Augusta or, if conditions warrant such action, at the EOF.
- R 5. Personnel will report to the Emergency Centers as directed:
 - a) Weekends or backshifts during operations:
 - 1) On site Operations personnel report to the Control Room or as directed by the Plant Shift Supt. All other personnel on site report as for normal working hours or as directed by the Plant Shift Superintendent.
 - 2) Personnel reporting to the site will check in at the Emergency Operations Facility.

b) Normal working hours:

<u>Operations</u>	<u>Initially Report To</u>	<u>Assignments</u>
Dept. Head	Cont. Room	T.S.C.
Asst. Dept. Head	T. S. C.	
Shift P.S.S.	Cont. Room	
Shift Operators	Cont. Room	
Spare P.S.S.	O.S.C.	
Spare Operators	O.S.C.	
<u>Maintenance</u>		
Dept. Head	T.S.C.	
Section Head	E.O.F.	O.S.C. as needed
All others	E.O.F.	O.S.C. as needed
<u>Health Physics</u>		
Section Head	E.O.F.	
Asst. Section Head	O.S.C.	
Foreman	E.O.F.	
Specialists	E.O.F.	T.S.C. + O.S.C. as needed
Technicians	O.S.C.	E.O.F. as needed
Testers	O.S.C.	E.O.F. as needed
Aides	E.O.F.	Dosimetry records
<u>Chemistry</u>		
Section Head	T.S.C.	
Supervisors	O.S.C.	E.O.F. as needed
Technicians	O.S.C.	E.O.F. as needed

	<u>Initially Report To</u>	<u>Assignments</u>
<u>I & C</u>		
Section Head	T.S.C.	
Foreman	E.O.F.	O.S.C. as needed
Technicians & Testers	E.O.F.	O.S.C. as needed
R <u>Plant Eng.</u>		
Lead Eng.	T.S.C.	
Engs. and Aides	E.O.F.	
<u>QA</u>		
All Personnel	E.O.F.	
<u>Nuclear Safety</u>		
All Personnel	T.S.C.	E.O.F. as needed
<u>Reactor Eng.</u>		
Sect. Head	T.S.C.	
Engs.	E.O.F.	T.S.C. as needed
<u>Computer Group</u>		
Sect. Head	Comp. Room	
Sr. Analyst	Comp. Room	
Analysts	E.O.F.	T.S.C. as needed
<u>Training</u>		
All Personnel	E.O.F.	
<u>Plant Services</u>		
All Personnel	E.O.F.	
<u>Stores</u>		
All Personnel	E.O.F.	
<u>Administrative</u>		
All Personnel	E.O.F.	

APPENDIX I

ALERT - PLANT SHIFT SUPERINTENDENT

INITIAL/TIME

R When the initial Emergency Declaration is an Alert.

REQUIRED ACTIONS:

1. Instruct shift personnel to initiate applicable portions of Procedure 2.50.17, "Emergency Notification".

_____/____

2. Act as the Emergency Coordinator until relieved.

_____/____

R 3. Instruct control room personnel to sound a ten second blast of the evacuation alarm and make the following announcement on the FEMCO System.

a. "Alert, Alert, Alert"

b. "(Describe condition and affected area)"

c. "Plant staff with emergency duties report to your assigned emergency center and be accounted for by the center supervisor. All other plant staff, visitors and contractors assemble at the Information Center and await further instruction".

_____/____

NOTE: Repeat the announcement

_____/____

4. Request the Shift Technical Advisor to report to the control room and instruct him to:

a. Notify the NRC on the Emergency Notification System (red phone). Maintain an open communications' channel on this line. This channel will be closed only when allowed to do so by the NRC.

_____/____

NOTE: This channel need not be manned continuously in the initial stages.

b. Notify Maine Yankee Nuclear Support Division.

_____/____

R c. Notify Yankee Nuclear Support Division.

_____/____

d. Review the classification and determine required assistance.

_____/____

e. Advise the Plant Shift Superintendent on response measures.

_____/____

5. Contact the On-Call Supervisor, inform him of current plant status and request assistance as required.

_____/____

NOTE: Steps 6 and 7 must be performed by the same person.

INITIAL/TIME

- R 6. Notify the Maine State Police by using the hot line/dedicated phone line in the control room.

If contact cannot be made by this system, notify using the State Police Radio in the control room.

If neither phone nor State Police Radio contact can be made, notify the CMP dispatcher to notify the State Police.

Using one of the above communication systems, provide either Message A or B as indicated below:

MESSAGE A: Use if no offsite release is involved _____/_____

- . This is (name of caller) from Maine Yankee Atomic Power Station.
- . We have an Alert.
- . No release of radioactivity is occurring.
- . No protective actions are recommended.
- . I expect a confirmation call.

Repeat the entire message above.

OR

MESSAGE B: Use if a offsite release is in progress or projected _____/_____

- . This is (name of caller) from Maine Yankee Atomic Power Station.
- . We have an Alert.
- . A minor release of radioactivity is in progress or expected.
- . The wind is blowing from (provide current wind speed and direction).
- . No protective actions are required.
- . I expect a confirmation call.

Repeat the entire message above.

NOTE: This action must be completed within 15 minutes of declaration of the emergency.

INITIAL/TIME

R 7. Provide confirmation for the State Police.

_____/____

NOTE: State Police will call back and ask to speak to the individual who made the call in step 6.

SUBSEQUENT ACTIONS:

R 1. Estimate the off-site dose using the radiation monitors and the computer or the nomograms in the Control Room. Refer to Procedure. 2.50.10 "Evaluation of Radiological Data".

_____/____

2. Be prepared to provide plant status information via the hot line to off-site authorities if requested.

_____/____

3. Notify the CMP Dispatcher, who in turn will notify Maine Yankee Corporate Management and the Public Affairs and Information Service.

_____/____

4. When the TSC has established contact with the control room request any required assistance in handling communications.

_____/____

5. If the event produces abnormal in-plant radiological conditions, direct the shift Chemistry and Health Physics Technician to evaluate the condition and augment this capability with the manpower provided by the Emergency Coordinator when applicable.

_____/____

R 6. Account for all shift personnel. Give names of personnel accounted for to the Technical Support Center.

_____/____

7. Request assistance of outside agencies (fire, law enforcement, or medical rescue personnel) as needed to deal with the event: (Refer to Procedure 2.50.17, "Emergency Notification") (if applicable)

a. Fire

_____/____

b. Medical

_____/____

c. Law enforcement (in conjunction with the Shift Security Supervisor)

_____/____

8. Together with the Shift Technical Advisor and the Emergency Coordinator, re-evaluate the emergency classification to determine if it is necessary to escalate or de-escalate the classification.

_____/____

R 9. If conditions warrant escalation to a Site Area Emergency or General Emergency go to the Appendix IA of the appropriate Procedure 2.50.3 or 2.50.4.

_____/____

INITIAL/TIME

R 10. If after discussion with the Shift Technical Advisor, Technical Support Center Coordinator, the Emergency Coordinator, and Plant Management, the decision to de-escalate is made, assure the following takes place:

_____/____

a) Notify plant personnel of de-escalation to Unusual Event or non-emergency status.

b) Notify CMP Dispatcher of de-escalation.

_____/____

c) Review Unusual Event Procedure 2.50.1 to see if all necessary functions are being maintained.

_____/____

R 11. If shift turnover is required, brief incoming Operations Personnel on accident proceedings prior to relinquishing control.

_____/____

R 12. Summarize all actions and resultant conditions in the log when a shift has been completed or when the emergency has been terminated.

_____/____

R

APPENDIX I A

PLANT SHIFT SUPERINTENDENT

ESCALATION TO ALERT FROM UNUSUAL EVENT

The plant has been in an Unusual Event condition for some period of time. The Unusual Event Notifications have been made. The On-Call Supervisor may be on standby at a phone or he may be on site in his role of Emergency Coordinator.

REQUIRED ACTIONS:

INITIAL/TIME

- 1. Contact the On-Call Supervisor/Emergency Coordinator, inform him of current plant status, and request him to initiate applicable portions of Procedure 2.50.17, "Emergency Notification". ____/____
- R 2. If the On-Call Supervisor or other trained Emergency Coordinator is not on site, continue to act as the Emergency Coordinator until he relieves you. ____/____
- R 3. Instruct Control Room personnel to sound a ten second blast of the evacuation alarm and make the following announcements or the FEMCO System. ____/____
 - a) "Alert, Alert, Alert"
 - b) "(Describe condition and affected area)"
 - c) "Plant Staff with emergency duties report to your assigned emergency center and be accounted for by the Center Supervisor. All other plant staff and any visitors or contractors still on site assemble at the Information Center and await further instructions".

NOTE: Repeat the announcement. ____/____

XXX If the On-Call Supervisor/Emergency Coordinator is off-site skip steps 4 & 5.

- 4. If the On-Call Supervisor/Emergency Coordinator is on site, have the STA perform his advisory duties.
- R 5. Check with the Emergency Coordinator to assure that the following notifications of the escalation have been made:
 - R a) NRC on the Emergency Notification System (Red Phone).
 - R NOTE: Once the Emergency Coordinator has assumed responsibility for communication, you may leave the Red Phone off the hook if it's ringing is distracting. ____/____

INITIAL/TIME

. No protective actions are required.

. I expect a confirmation call.

Repeat the entire message above.

NOTE: This action must be completed as soon as possible after the decision to escalate has been made.

7. Provide confirmation for the State Police.

_____/____

NOTE: State Police will call back and ask to speak to the individual who made the call in Step 6.

R 8. Have the STA notify the NRC on the Emergency Notification System (Red Phone).

_____/____

R 9. Have the STA notify Maine Yankee Nuclear Support Division.

_____/____

R 10. Have the STA notify Yankee Nuclear Support Division.

_____/____

SUBSEQUENT ACTIONS:

R 1. Estimate the off-site dose using the radiation monitors and the computer or nomograms in the control room. Refer to Procedure 2.50.10, "Evaluation of Radiological Data."

R NOTE: If E.O.F. is staffed, this step can be omitted.

2. Be prepared to provide plant status information via the hot line to off-site authorities if requested.

NOTE: The Emergency Coordinator should handle these requests if he is on-site.

3. Notify the C. M. P. Dispatcher of the escalation to Alert. He will in turn notify Maine Yankee Corporate Management and the Public Affairs and Information Service.

_____/____

4. When the TSC has established contact with the Control Room request any required assistance.

5. When the Operational Support Center has established contact with the Control Room, request any required assistance. (Operations personnel or Health Physics Personnel)

6. If the event produces abnormal in-plant radiological conditions, direct the shift Chemistry and Health Physics Technician to evaluate the condition and augment this capability with the manpower provided by the Operations Support Center or by the Emergency Coordinator.

INITIAL/TIME

- R 7. Account for all shift personnel. Give the names of personnel accounted for to the Technical Support Center. _____/_____
- 8. Require assistance of outside agencies (fire, law enforcement, or medical services) as needed to deal with the event. (Refer to Procedure 2.50.17, "Emergency Notification").
 - a. Fire _____/_____
 - b. Medical _____/_____
 - c. Law Enforcement (in conjunction with the Security Captain) _____/_____
- R 9. Together with the Shift Technical Advisor the Technical Support Center Coordinator and the Emergency Coordinator, re-evaluate the emergency classification to determine if a change is necessary. _____/_____
- 10. If conditions warrant escalation to a higher classification, go to the appropriate Procedure 2.50.3 Site Area, or 2.50.4 General and follow the Appendix I A.
- 11. If after discussion with the Shift Technical Advisor, and, Technical Support Center Coordinator, the Emergency Coordinator, and Plant Management, the decision to de-escalate is made, assure the following takes place:
 - a) Notify plant personnel of de-escalation to Unusual Event or non-emergency status. _____/_____
 - b) Notify CMP Dispatcher of de-escalation. _____/_____
 - c) Review Unusual Event Procedure to see if all necessary functions are being maintained. _____/_____
- 12. Summarize all actions and resultant conditions in the Operations Log when the emergency has been terminated. _____/_____

R

APPENDIX I B

PLANT SHIFT SUPERINTENDENT

DE-ESCALATION TO ALERT FROM A HIGHER CLASSIFICATION EMERGENCY

PRE CONDITIONS:

INITIAL/TIME

1. The plant has been in a Site Area or General Emergency condition.
2. All the required personnel and off-site agencies are on site or on the way.
3. The decision to de-escalate to Alert has been made after consultation with the Plant Management Emergency Coordinator, Shift Technical Advisor, Technical Support Center, and other Technical Advisors.

REQUIRED ACTIONS:

1. Announce the de-escalation to Alert over the plant FEMCO System. ____/____
2. Check with the E. O. F. to see if all notifications have been made. ____/____
3. Account for any personnel that have been sent out in the plant to perform emergency actions. ____/____
4. Have personnel check dosimeters. ____/____
- R 5. If contact is lost with any personnel sent out in the plant to perform emergency functions, report the name and possible location to the E.O.F. ____/____
6. Report any off-scale or high range dosimeter reading over 500 mr to the E. O. F. ____/____
7. Maintain communications with all emergency centers.
8. Maintain all necessary functions established during the Site Area or General Emergency condition.
9. If conditions should warrant re-escalation to a higher classification emergency, go to the appropriate Procedure (2.50.3 Site Area or 2.50.4 General) and follow the Appendix I A.
10. If after discussion with the Shift Technical Advisor, the Technical Support Center Coordinator, the Emergency Coordinator and Plant Management, the decision to de-escalate to an unusual event or non-emergency is made, assure the following steps take place:

INITIAL/TIME

- a) Notify plant personnel of de-escalation to Unusual Event or non-emergency status. _____/_____
 - b) Notify CMP Dispatcher of de-escalation. _____/_____
 - c) If the de-escalation is to Unusual Event, review the Unusual Event Procedure 2.50.1 to see if all necessary functions are being maintained. _____/_____
10. Summarize all actions and resultant conditions in the Operations Log when the emergency has been terminated. _____/_____

APPENDIX II

ALERT - PLANT MANAGER

R This Appendix applies in all cases Initial Declaration, Escalation and De-escalation.

REQUIRED ACTIONS:

1. Assess the situation based on information supplied by the Plant Shift Superintendent or the On-Call Supervisor.

NOTE: If conditions warrant such action report to the plant.

R NOTE: The Plant Manager is not assigned to any particular center as he is responsible for overall direction of emergency response.

NOTE: In the absence of the Plant Manager, the following individuals, in the order listed, are designated as his alternate.

- R
- Assistant Plant Manager (one of three Dept. Heads is permanently designated)
 - Operations Dept. Head
 - Technical Support Dept. Head
 - On Duty Plant Shift Superintendent

SUBSEQUENT ACTIONS:

1. Assure continuity of resources (technical, administrative, and material) on a 24 hour basis as required.
2. Act as liaison between plant and corporate headquarters for the generation of public information releases.
3. Notify corporate office when additional resources are required to augment plant resources.
4. Periodically review emergency classification with the Emergency Coordinator, Plant Shift Superintendent and the Shift Technical Advisor.
5. Direct the emergency organization until such time that the emergency condition has been rectified.

NOTE: Notify plant staff, corporate office and other emergency resources if the emergency condition requires a transition to a recovery phase.

6. Direct plant action during the recovery phase, when applicable.
7. Closeout the event by summarizing details and actions with appropriate off-site authorities.

- a. Nuclear Regulatory Commission
- b. Maine State Police
- c. Federal Emergency Management Agency

R

APPENDIX III

R

ALERT TECHNICAL SUPPORT CENTER COORDINATOR

R This Appendix applies when the Initial Emergency Classification is an Alert and when we are escalating to Alert from an Unusual Event.

R When de-escalating to an Alert from a higher level emergency, the following actions will have been initiated. Review them to assure that all necessary functions are being maintained.

REQUIRED ACTIONS

INITIAL/TIME

R 1. Establish voice communications with the control room, using channel 4 (the preferred channel) of the plant paging system and document the reported event history and current plant status.

_____/____

R 2. Assure that representatives of the following departments have assembled at the TSC: (Drafting office - if radiological conditions allow).

_____/____

- a. Operations Department
- b. Reactor
- c. Instrumentation and Control
- d. Chemistry
- e. Computer
- f. Plant Engineering Dept.
- g. Radiological Controls (Specialist)
- n. Nuclear Safety

R

3. Coordinate in-plant activities with the Plant Shift Superintendent and/or the Shift Technical Assistant, relative to bringing the plant to a safe condition.

_____/____

4. Determine center habitability in accordance with Appendix VI. Request assistance from the EOF if needed.

_____/____

R NOTE: The following accountability steps should only be performed after the initial set up of the Technical Support Center.

R 5. Conduct personnel accountability in the TSC and Control Room. Report the names of all personnel accounted for to the Security Captain at the Gatehouse. Do not wait to be contacted by Security.

_____/____

6. If Security reports that there are unaccounted personnel, call the personnel over the page system.

_____/____

7. If missing personnel can not be reached, notify the Emergency Coordinator that a search and rescue team is needed.

_____/____

INITIAL/TIME

- 8. Periodically assess plant status. _____/_____
- R 9. Utilizing the information acquired in step 8 prepare summaries of plant status and the Emergency Coordinator management of the details, of any significant changes in the plant status. _____/_____
- R 10. Notify the Emergency Coordinator, using the phone or channel 2 of the Femco system, when in-plant operational changes could change in-plant and/or off-site radiological conditions. _____/_____
- 11. Assume the responsibility for maintaining open communications with the NRC (red phone) if the Plant Shift Superintendent requires such action. _____/_____
- 12. When we have de-escalated from a higher level emergency to an Alert, and have Yankee Nuclear Service personnel on site, initiate discussions on necessity for maintaining their services. _____/_____
- R 13. Have personnel who report to the Technical Support Center from other locations check their dosimeter readings. _____/_____
- R 14. Monitor the dose levels in the Center at regular intervals. _____/_____
- R 15. Report any increase in area dose level or any high personnel exposure to the Radiological Evaluation Assistant of the E.O.F. _____/_____
- 16. Remain active and manned until terminated by Plant Manager. _____/_____
- R 17. When the Alert Status is de-escalated to Unusual Event or to non-emergency status, perform the following: _____/_____
 - a) Check with the Control Room and the E. O. F. to see if any T. S. C. personnel are needed.
 - b) Assure that any personnel that had been assigned to perform emergency duties in the plant have been accounted for and that their dosimeters have been read and their accumulated dose evaluated.
 - R c) Collect all records, data, and logs. Turn in to the Emergency Coordinator.
 - d) Instruct personnel to return to their department areas, the E. O. F. or that they are relieved, depending on discussion with the Emergency Coordinator on the need for recovery actions.

APPENDIX IV

ALERT - OPERATIONS SUPPORT CENTER COORDINATOR

R This Appendix applies when the initial classification is an Alert and when we are escalating to an Alert from an Unusual Event.

When de-escalating to an Alert from a higher level emergency, the following actions will have been initiated. Review them to assure that all necessary functions are being maintained.

INITIAL/TIME

- 1. The first OSC member to arrive will establish communications with the TSC using the in-plant phone extension or the page/intercom set. ____/____
- R 2. Establish communications with the E.O.F. ____/____
- 3. Center Coordinator (Senior Supervisor present), assure that all Operations Department personnel not assigned to the operating shift report to the OSC. ____/____
- 4. Assure that all Chemistry personnel and Health Physics personnel report to the OSC. ____/____
- 5. Determine the habitability of the OSC in accordance with Appendix VI. ____/____
- R 6. Conduct personnel accountability in the OSC and report the names of all personnel accounted for to the Security Captain at the Gatehouse. Do not wait to be contacted by Security. ____/____
- 7. Provide assistance in the investigation or repair of plant systems, as directed by appropriate supervisor. ____/____
- 8. Provide the necessary technical manpower required to provide in-plant radiological monitoring and habitability assessment. ____/____
- 9. Provide assistance in the decontamination of affected plant areas as necessary. ____/____
- 10. Work in conjunction with the Manpower and Planning Assistant in preparing for operating shift turnover and relief. ____/____
- R 11. Assure that any personnel that have been assigned to perform emergency actions in the plant are accounted for upon their return and that their accumulated dose is evaluated. ____/____
- R 12. Report any off scale or high exposures to the Radiological Evaluation Assistant at the E.O.F. ____/____

- R 13. Report the name and possible location of any personnel that you lose contact with to the E.O.P. _____/_____
- R 14. Monitor the dose levels in the O.S.C. at regular intervals. _____/_____
- R 15. Assist the E.O.P. in monitoring personnel exposure and keeping the exposures within the limits in Procedure 2.50.14 "Emergency Radiation Exposure Control". _____/_____
- 16. Assure that the O.S.C. remains active and manned for the duration of the emergency. _____/_____
- R 17. When the emergency is de-escalated to Unusual Event or to non-emergency status, perform the following: _____/_____
- a) Check with Control Room and E. O. P. to see if any O. S. C. personnel are needed.
- b) Assure that any personnel that have been assigned to perform emergency actions in the plant are accounted for and that their accumulated dose is evaluated.
- R c) Collect all records, data, and logs. Turn in to the Emergency Coordinator.
- d) Instruct personnel to return to their department areas, the E. O. P., or that they are relieved depending on discussion with Emergency Coordinator on the need for recovery actions.
- e) Check with the Emergency Coordinator for the time and location of any recovery or post accident meetings.

APPENDIX V

ALERT - ON-CALL SUPERVISOR/EMERGENCY COORDINATOR

R When the initial emergency declaration is an Alert.

REQUIRED ACTIONS:

INITIAL/TIME

- 1. After discussion of the plant conditions with the Plant Shift Superintendent and/or the Shift Technical Advisor, notify the Plant Manager. ____/____
- 2. Augment plant staff to the extent that the following functions will be implemented if conditions warrant. ____/____
 - a. Off-site monitoring
 - b. Emergency Communications
 - c. Radiological Exposure Control
 - d. Sample Analysis
 - e. Coordination with OFF-site Authorities.

NOTE: If the event occurs during the back-shift or on a week-end, the On-Call Supervisor/Emergency Coordinator will, initiate the contacting of sufficient staff to activate the EDF and TSC, Procedure 2.50.17, "Emergency Notification". ____/____

3. Report to the EDF, contact the Plant Shift Superintendent on channel 2 and obtain a plant status report and the current meteorological conditions. ____/____

R 4. Determine the habitability of the Emergency Operation Facility (E.O.F.) in accordance with Appendix VI. ____/____

5. Get updated conditions from the Plant Shift Superintendent and Shift Technical Advisor and confirm re-evaluate the emergency classification using Proc. 2.50.0, "Declaration and Categorization of Emergency Condition" criteria. ____/____

R 6. If after consultation with the Plant Shift Superintendent, the Shift Technical Advisor, and the Technical Support Center Coordinator it is determined that conditions warrant escalation to a more severe classification go to Appendix V A of Procedures 2.50.3 "Site Area Emergency" or 2.50.4 "General" whichever applies. ____/____

or

If conditions warrant a de-escalation or termination go to Step 20.

INITIAL/TIME

- 7. Brief incoming personnel as to current plant status and direct initial staffing of the TSC in accordance with Appendix III, Step 2. _____/_____
- 8. Assign the following emergency duties to appropriate qualified emergency personnel as they arrive at the EOF. _____/_____

Name of Individual

- Coordinators Assistant - _____
- Communications Assistant - _____
- Radiological Evaluation Assistant - _____
- Manpower and Planning Assistant - (if required) _____

NOTE: These personnel will report directly to the Emergency Coordinator.

- R 9. Check with the Operational Support Center (O.S.C.) to see if they are staffed and if they need any additional personnel. _____/_____
- 10. Coordinate personnel accountability with plant security. If missing personnel are identified dispatch rescue personnel. _____/_____
- 11. If there are injured personnel, provide first aid treatment and prepare the patient(s) for transfer to the Bath Hospital by the local ambulance service, or, if unavailable, use the Company or private station wagon. (See Emergency Procedure 2.50.8.) _____/_____

R NOTE: Contact Dr. Keating or his alternate /

NOTE: Provide the Bath Hospital / with the following information before a patient arrives at the hospital.

- 1. Number of accident victims (and whether they are radioactively contaminated).
- 2. Nature of medical problem of each.
- 3. Magnitude of radiation aspect, if applicable.
- 4. Anticipated time of arrival at the hospital.
- 5. Who will accompany patients.

Transfer the patient(s) to the ambulance or station wagon. If the patient is contaminated, assign a Health Physics representative to accompany them to the hospital to maintain radiological controls.

INITIAL/TIME

- R 12. If requested dispatch qualified emergency personnel to emergency centers to verify center habitability in accordance with Appendix VI. _____/_____
- 13. Coordinate site access and control measures with plant security, Procedure 2.50.9, "Security Force Radiation Emergency Plan". _____/_____
- 14. Coordinate accident information with appropriate off-site authorities. Use the data hot-line to inform them of projected dose rates, actual plant conditions, field sample results and recommendations concerning emergency actions, if conditions warrant such action. _____/_____
- 15. When contacted by Yankee Engineering Support Center Staff, provide a Plant Status Report and request any assistance. _____/_____
- 16. Check with the Manpower and Planning Assistant for an evaluation of manpower requirements. _____/_____
- 17. Periodically reassess the habitability of the EOF. _____/_____
- 18. Notify American Nuclear Insurers. (See Procedure 2.50.17, "Emergency Notification"). (page 16) _____/_____
- 19. Ensure that the EOF remains active and manned for the duration of the event. _____/_____
- R 20. Periodically confer with the Plant Manager or his alternate, the Plant Shift Superintendent, the Shift Technical Advisor and the Tech. Support Center Coordinator concerning the emergency classification. _____/_____
- R 21. When the Alert Condition has been brought under control and plant conditions have stabilized to the satisfaction of those personnel stated in Step 19, then:
 - a. Instruct the plant Shift Superintendent to announce over the FEMCO system that the Alert has been de-escalated to Unusual Event, or the non-emergency status. _____/_____
 - b. Notify the NRC via red phone of the de-escalation to Unusual Event or non-emergency status. _____/_____
 - c. Notify the State C. E. P. via the hot line of the de-escalatin to Unusual Event or non-emergency status. _____/_____
 - d. Notify Yankee Engineering Support Center of the de-escalation to Unusual Event or non-emergency status. _____/_____

INITIAL/TIME

- R e. Notify Maine Yankee Nuclear Service Division of the de-escalation to Unusual Event or non-emergency status. _____/_____
- R f. Notify American Nuclear Insurers of the de-escalation to Unusual Event or non-emergency status. _____/_____
- g. If de-escalation is to Unusual Event, review Procedure (2.50.1) to see if all necessary functions are being maintained. _____/_____
- h. Review the on-site personnel requirements with the Manpower Coordinator to assess who should remain on site and who can be relieved. _____/_____
- R i. Evaluate current exposure totals as an aide in determining personnel needing relief. Refer to Procedure 2.50.14 "Emergency Radiation Exposure Control" for guidance. _____/_____
- j. Coordinate the restoration of emergency equipment to its original state. _____/_____
- k. Coordinate the planning of recovery actions or post accident meetings with Plant Management, Support Center Coordinators, and other personnel as required. _____/_____

R

APPENDIX V A

ALERT - ON-CALL SUPERVISOR/EMERGENCY COORDINATOR

When escalating to an Alert from an Unusual Event.

The plant has been in an Unusual Event condition for some period of time. The Unusual Event Notifications have been made. The On-Call Supervisor may be on standby at a phone or he may be on site in his role of Emergency Coordinator.

REQUIRED ACTIONS:

INITIAL/TIME

If off site or on site:

- 1. After discussion of the plant conditions with the Plant Shift Superintendent and/or the Shift Technical Advisor, notify the Plant Manager. _____/_____
- 2. Augment plant staff to the extent that the following functions will be implemented if conditions warrant. _____/_____
 - a. Off-site monitoring
 - b. Emergency Communications
 - c. Radiological Exposure Control
 - d. Sample Analysis
 - e. Coordination with OFF-site Authorities.

NOTE: If the event occurs during the back-shift or on a week-end, the On-Call Supervisor/Emergency Coordinator, (if he is on site or off site) will, initiate the contacting of sufficient staff to activate the EOF, OSC and TSC, Procedure 2.50.17, "Emergency Notification". _____/_____

- 3. If not already on site, report to the EOF, contact the Plant Shift Superintendent on channel 2 and obtain a plant status report on the current meteorological conditions. _____/_____
- 4. Get updated conditions from the Plant Shift Superintendent and Shift Technical Advisor and confirm re-evaluate the emergency classification using Proc. 2.50.0, "Declaration and Categorization of Emergency Condition" criteria. _____/_____
- 5. If on site, make sure of the following notifications:

- R a. Check with the Control Room if you have not heard the escalation announcement over the FEMCO. _____/_____
- b. Notify the NRC of the escalation to Alert using the Emergency Notification System (red phone). Maintain an open communications channel on this line. This channel will be closed only when allowed to do so by the NRC. _____/_____

NOTE: This channel need not be manned continuously in the initial stages.

_____/____

- c. Notify the Maine State Police and CEP by using the hot line/dedicated phone line in the EOF.

If contact can not be made by this system, use the State Police Radio in the EOF.

If neither phone nor State Police Radio in the EOF can make contact, call the Control Room and have them try their State Police Radio, or if that fails notify the OMP Dispatcher to notify the State Police. Using one of the above communication systems provide either Message A or B as indicated below.

Message A: Use if no off-site release is involved

INITIAL/TIME

- . This is (name of caller) from Maine Yankee Atomic Power Station.
- . We have escalated our emergency level to an Alert.
- . No releases of radioactivity is occurring.
- . No protective actions are recommended.
- . I expect a confirmation call.

Repeat the entire message above

_____/____

OR

Message B: Use if an off-site release is in progress or projected

- . This is (name of caller) from Maine Yankee Atomic Power Station.
- . We have escalated our emergency level to Alert.
- . A minor release of radioactivity is in progress or expected.
- . The wind is blowing from (provide current wind direction and speed).
- . No protective actions are required.
- . I expect a confirmation call.

Repeat the entire message above.

_____/____

- 6. Provide confirmation from State Police.

_____/____

INITIAL/TIME

R 7. If on-site, notify Maine Yankee Nuclear Service Division. _____/_____

R 8. If on-site, notify Yankee Nuclear Service Division. _____/_____

NOTE: State Police will call back and ask to speak to the individual who made the call in Step 5.

R 9. If after consultation with the Plant Shift Superintendent, the Shift Technical Advisor, and the Technical Support Center Coordinator, it is decided that conditions warrant escalation to a more severe classification go to Appendix V B of Procedure 2.50.3 "Site Area Emergency" or 2.50.4 "General Emergency" whichever applies. _____/_____

or

If conditions warrant a de-escalation or termination go to Step 24.

10. Brief incoming personnel as to current plant status and direct initial staffing of the TSC in accordance with Appendix III, Step 2. _____/_____

R 11. Check with the Operational Support Center (O.S.C.) to see if they are staffed and if they need any additional personnel. _____/_____

12. Assign the following emergency duties to appropriate qualified emergency personnel as they arrive at the EOF. _____/_____

Name of Individual

- Coordinators Assistant - _____
- Communications Assistant - _____
- Radiological Evaluation Assistant - _____
- Manpower and Planning Assistant - (if required) _____

NOTE": These personnel will report directly to the Emergency Coordinator.

13. Coordinate personnel accountability with plant security. If missing personnel are identified despatch rescue personnel. _____/_____

14. If there are injured personnel, provide first aid treatment and prepare the patient(s) for transfer to the Bath Hospital by the local ambulance service, or, if unavailable, use the Company or private station wagon. (See Emergency Procedure 2.50.8). _____/_____

R NOTE: Contact Dr. Keating or his alternate

NOTE: Provide the Bath Hospital, _____, with the following information before a patient arrives at the hospital.

INITIAL/TIME

1. Number of accident victims (and whether they are radioactively contaminated).
2. Nature of medical problem of each.
3. Magnitude of radiation aspect, if applicable.
4. Anticipated time of arrival at the hospital.
5. Who will accompany patients.

Transfer the patient(s) to the ambulance or station wagon. If the patient is contaminated, assign a Health Physics representative to accompany them to the hospital to maintain radiological controls.

15. If requested dispatch qualified emergency personnel to emergency centers to verify center habitability in accordance with Appendix VI. ____/____
16. Coordinate site access and control measures with plant security, Procedure 2.50.9, "Security Force Radiation Emergency Plan". ____/____
17. Coordinate accident information with appropriate off-site authorities. Use the data hot-line to inform them of projected dose rates, actual plant conditions, field sample results, and recommendations concerning emergency actions, if conditions warrant such action. ____/____
18. When contacted by Yankee Engineering Support Center Staff, provide a Plant Status Report and request any assistance. ____/____
19. Check with the Manpower and Planning Assistant for an evaluation of manpower requirements. ____/____
20. Periodically reassess the habitability of the EOF. ____/____
21. Notify American Nuclear Insurers. (See Procedure 2.50.17, "Emergency Notification"). ____/____
22. Ensure that the EOF remains active and manned for the duration of the event. ____/____
- R 23. Periodically confer with the Plant Manager or his alternate, the Plant Shift Superintendent, the Shift Technical Advisor and the Tech. Support Center Coordinator concerning the emergency classification. ____/____
- R 24. When the Alert Condition has been brought under control and plant conditions have stabilized to the satisfaction of those personnel stated in Step 23, then:

INITIAL/TIME

- a. Instruct the plant Shift Superintendent to announce over the FEMCO system that the Alert has been de-escalated to an Unusual Event or a non-emergency status. _____/_____
- b. Notify the NRC via the red phone of the de-escalation to Unusual Event or non-emergency status. _____/_____
- c. Notify the State CEP via the hot line of the de-escalation to Unusual Event or non-emergency status. _____/_____
- d. Notify Yankee Emergency Support Center of the de-escalation to Unusual Event or non-emergency status. _____/_____
- R e. Notify the American Nuclear Insurers of the de-escalation to Unusual Event or non-emergency. _____/_____
- f. If the de-escalation is to an Unusual Event, review Procedure 2.50.1 to see if all necessary functions are being maintained. _____/_____
- g. Review the on-site personnel requirements with the Manpower Coordinator to assess who should remain on site who can be released. _____/_____
- R h. Evaluate the current exposure totals as an aide in determining personnel needing relief. Refer to Procedure 2.50.14 "Emergency Radiation Exposure Control" for guidance. _____/_____
- i. Coordinate the restoration of emergency equipment to its original state. _____/_____
- j. Coordinate the planning of recovery actions or post-accident meetings with Plant Manpower, Support Center Coordinators, and other personnel as required. _____/_____

APPENDIX V B

R ON-CALL SUPERVISOR/EMERGENCY COORDINATOR

De-escalation to Alert from a higher classification emergency.

PRE CONDITIONS:

1. The plant has been in a Site Area or General Emergency condition.
2. All the required plant personnel and off-site agency personnel are on site or on the way.
3. The decision to de-escalate to Alert has been made after consultation with Plant Management, the Shift Technical Advisor, the Technical Support Center Coordinator, and other Technical Advisors.

REQUIRED ACTIONS:

INITIAL/TIME

- | | | |
|------|---|------------|
| 1. | Notify the NRC on site and over the red phone of the de-escalation to Alert. | _____/____ |
| 2. | Notify the State authorities, over the hot line, of the de-escalation to Alert. | _____/____ |
| 3. | Notify the State authorities on site of the de-escalation to Alert. | _____/____ |
| R 4. | Notify the Yankee Nuclear Services Division of the de-escalation to Alert. | _____/____ |
| R 5. | Notify the Maine Yankee Nuclear Service Division of the de-escalation to Alert. | _____/____ |
| 6. | Notify the American Nuclear Insurers (See Procedure 2.50.17 "Emergency Notification", for the phone number). | _____/____ |
| 7. | Notify off site monitoring teams of the de-escalation. | _____/____ |
| 8. | Review Appendix V A of this procedure to assure that all necessary functions are being maintained. | _____/____ |
| R 9. | If further de-escalation is warranted refer to Steps 23 and 24 Appendix V A. | _____/____ |
| 10. | If after consultation with the Plant Shift Superintendent the Shift Technical Advisor, and the Technical Support Center Coordinator it is declared that conditions warrant re-escalation to a more severe classification go to Appendix V A of Procedures 2.50.3 "Site Area Emergency" or 2.50.4 "General Emergency" whichever applies. | _____/____ |

R

INITIAL/TIME

Radiological Sample Coordinator

_____ name

- a) Select qualified personnel for off-site monitoring teams. _____ / _____
- b) Form three two man off site monitoring teams. _____ / _____

Team #1

_____ name

Team #2

_____ name

Team #3

_____ name

NOTE: Assure that each team knows its team number.

- c) Provide assistance for teams when they check out their equipment. _____ / _____
- d) Dispatch off-site monitoring teams to sampling locations as directed by the Radiological Evaluation Assistant. _____ / _____
- e) Review and evaluate the incoming reports from the off-site monitoring teams. _____ / _____
- f) Assign priorities for analysis of incoming samples. See Procedure 2.50.10 "Evaluation of Radiological Data. _____ / _____
- g) Assure that all analytical results are given to the Radiological Evaluation Assistant. _____ / _____
- h) Coordinate the set up and operation of the YNSD Environmental Lab. Inform the Radiological Evaluation Assistant if the radiation levels are too high for operation at the E.O.F. _____ / _____

R

- 4. Assign a Health Physics Specialist or other qualified person to direct the on site radiological monitoring. His functions will include the following:

On Site Data Evaluator

_____ name

- a) Assure that plant and center habitability assessments are being made and evaluated. _____ / _____
- b) Direct the set up and functioning of the radiological access and control measures at the E.O.F. _____ / _____

R

INITIAL/TIME

c) Evaluate personnel contamination problems.

_____/____

R

d) Coordinate the set up and operation of the Yankee Nuclear Service Division T.L.D. Lab. Inform the Radiological Evaluation Assistant if the radiation levels are too high for operation at the E.O.F.

_____/____

e) Direct personnel and equipment decontamination efforts of the E.O.F.

_____/____

f) Assure that personnel exposure records are being updated at the E.O.F. and the information is being transferred to the H.P. Supervisor at the O.S.C.

_____/____

g) Gather, record, and report on site dose measurements to the Radiological Evaluation Assistant.

_____/____

5. If conditions warrant such action, determine the affected area downwind, and confer with the Emergency Coordinator as to which sample locations the off site monitoring teams should be dispatched.

_____/____

R

6. Obtain the latest weather forecast to prepare for any predicted changes in meteorological information. Call Wayne Mahar weather Associates. See Procedure 2.50.17 "Emergency Notification" page 16 for the phone number.

_____/____

7. Direct the Sample Coordinator to dispatch his teams to the appropriate sample locations.

_____/____

8. Utilizing the information provided by the Radiological Data Evaluator, the information on the projected length of time of the releases, the meteorological information, and the information coming in from off site, evaluate the projected dose commitment to be effected areas.

_____/____

9. Inform the Emergency Coordinator of all dose projections, and advise him of any required protective actions.

_____/____

10. Review and evaluate in plant personnel exposures with the On Site Dose Evaluator. Assure that exposure records are being updated.

_____/____

11. Review personnel needs with the Manpower and Planning Assistant.

_____/____

12. Assure that the YNSD Environmental and T.L.D. Lab functions are being properly coordinated and utilized.

_____/____

R

INITIAL/TIME

- R 13. If it is reported that radiation levels are too high for operation of one or both of the mobile labs, notify the CMP. New Castle District Office that the labs will be going there. See Procedure 2.50.17 "Emergency Notification" page 16 for the phone number and notification details. _____/_____
- 14. Arrange for the collection of the off site or samples and T.L.D.'s by the Environmental Personnel at the Baily House. Refer to Procedure 2.50.17 "Emergency of Notification" page 16 for phone numbers of personnel for weekend and backshift notification. _____/_____
- 15. Provide constant up dates of all radiological conditons to the Emergency Coordinator. _____/_____
- 16. Assure that all samples are being prioritized for analytical and evaluation. _____/_____
- 17. Assure that all samples results are being properly recorded and that completed samples are being properly stored. _____/_____
- 18. Assure that all rad waste is being properly stored. _____/_____
- 19. When de-escalating from a General Emergency to lower category emergency:
 - a) Review off site monitoring team locations. Consider the downward location of the plume after the release has stopped. _____/_____
 - b) Review the necessity of continuing all functions. _____/_____
 - c) Review personnel requirements. _____/_____
 - d) Review personnel dose accumulation. _____/_____
 - e) Review environmental data and consider necessity for additional sample collection. _____/_____
 - f) Review radiological status of all centers. _____/_____
 - g) Review status of Yankee Mobile Labs. _____/_____
 - h) Review on-site radiological data with employees on recovery actions. _____/_____
 - i) Assure that any equipment, records, or logs that are returned to the E.O.F. are being properly accounted for and stored. _____/_____

APPENDIX V 2

ALERT - COMMUNICATIONS ASSISTANT

R This Appendix applies when the initial emergency classification is an Alert and when we are escalating to an Alert from an Unusual Event.

When de-escalating to Alert from a higher level emergency the following actions will have been initiated. Review them to assure that all necessary functions are being maintained.

REQUIRED ACTIONS:

INITIAL/TIME

- 1. Check that phone and Femco system communication channel are available to:
 - a. Technical Support Center
 - b. Control Room
 - c. Security
 - d. Operation Support Center
- 2. Establish radio communications with the Control Room.
- 3. Assign a qualified operator to the emergency radio in the Coordination Center.
- 4. Assure that the ten phone extensions and 4 outside phone lines are properly hooked up and located. (The phones are located in the Emergency Supply Cabinet in the E.O.F. Command Room).
- 5. Use Message Forms to record communication.
- 6. Record the parties involved, date and time of each incoming or outgoing message by telephone, Femco, or radio on a Message Form.

NOTE: On incoming calls, forward copies 1 and 3 to the Emergency Coordinator or his appropriate assistant.

Retain copy 2 (yellow) as a "tickler" for those messages requiring a reply.

When copy 1 is returned for dispatching a reply, discard copy 2 and note date and time the reply message was dispatched.

Retain completed copy 1 as a log record of all communications.

- 7. Establish radio communications with all onsite and offsite teams prior to their departure from the EOF, if practicable.

INITIAL/TIME

- 8. If plant communications systems are inadequate to handle the flow of incoming calls, notify the Emergency Coordinator and recommend alternative measures. _____/____

- R 9. When de-escalating from Alert to Unusual Event or a non-emergency status, maintain radio communications until the Emergency Coordinator orders termination of radio contacts. _____/____

FINAL CONDITIONS

- 1. Collect all message forms, tabulate them in sequential order and provide this documentation to the Emergency Coordinator.

APPENDIX V 3

ALERT - MANPOWER AND PLANNING ASSISTANT

- R This Appendix applies when the initial emergency classification is an Alert and when we are escalating to an Alert from an Unusual Event.
- R When de-escalating to Alert from a higher level emergency, the following actions will have been initiated. Review them to assure that all necessary functions are being maintained.

INITIAL/TIME

- 1. Review manpower requests and establish shift relief schedules after reviewing the Emergency Assignment list and coordinate such activity with the Emergency Coordinator. _____/_____
- 2. Assure that sufficient personnel to fulfill all emergency functions have been mobilized to maintain continuous emergency preparedness. _____/_____
- R 3. An up to date "Emergency Plan Roster" (Form No. MY-A-75-82) is kept in the Emergency Supply Cabinet in the E.O.F. Command Room. This roster contains the names, primary duty, phone number and log in-log out columns for all plant personnel. A copy of the roster is kept at the phone switchboard. _____/_____
- 4. Maintain an updated roster of emergency personnel onsite. _____/_____

NOTE: This function may be unnecessary or may be filled by the Coordinator's Assistant in an Alert Category Emergency.

The Emergency Coordinator will make this determination.

- R 5. Maintain the Emergency Organization Chart, located in the Command Room, in an up to date manner. The chart is stored in the Emergency Supply Cabinet in the Command Room. _____/_____
- 6. When de-escalating from Alert to Unusual Event or non-emergency status check with the Emergency Coordinator, Technical Support Center Coordinator, and the Operations Support Center Coordinator to determine which personnel can be released from duty. _____/_____

APPENDIX V 4

ALERT - COORDINATORS' ASSISTANT

- R This Appendix applies when the initial emergency classification is an Alert and when we are escalating to an Alert from an Unusual Event.
- R When de-escalating to Alert from a high level emergency the following will have been initiated. Review them to assure that all necessary functions are being maintained.

	<u>INITIAL/TIME</u>
1. Function as an aide to the Emergency Coordinator.	____/____
2. Assist the Emergency Coordinator in directing the activities of the incoming support personnel.	____/____
3. Provide periodic briefings to emergency personnel at the EOF.	____/____
4. Direct personnel accountability at the EOF.	____/____
5. Document recommendations made to off-site authorities.	____/____

APPENDIX VI

RADIOLOGICAL HABITABILITY ASSESSMENT

R This Appendix applies when the initial emergency classification is an Alert and when we are escalating to an Alert from an Unusual Event.

R When de-escalating to Alert from a higher level emergency radiological habitability checks will have been completed. Additionally habitability checks should be made at the request of the Emergency Coordinator, the Radiological Evaluation Assistant, or the Center Coordinators.

INITIAL/TIME

1. Obtain a copy of Proc. 2.50.14, Emergency Radiation Exposure Control.

____/____

2. Obtain a RM-14, a PIC-6A, and a low volume charcoal air sampler. Perform the necessary functional checks on the instrumentation.

____/____

3. Monitor conditions in the area(s) assigned:

____/____

- Technical Support Center
- Operational Support Center
- Emergency Operations Facility
- Other areas as requested by the Plant Shift Superintendent or the Radiological Control Supervisor or his alternate.

R NOTE: Check pocket dosimeter readings of personnel in each center periodically.

4. Place a high range pocket dosimeter in a representative location or locations at each center.

____/____

5. Using Table II in Procedure 2.50.14, assess personnel actions with respect to radiological conditions encountered.

____/____

6. Report findings and recommendations on area habitability form and submit to the appropriate center coordinator.

____/____

NOTE: Additional information, such as area surveys, should be recorded on the reverse side of the habitability survey form MY-HP-119-81.

EMERGENCY CONDITIONS RADIOLOGICAL ASSESSMENT FORM

Date _____

Time _____

Location of Sampling _____

DATA

Maximum Dose Rate (W.B.) _____

Average Dose Rate (W.B.) _____

Air Sample Results _____

Thyroid Dose Rate _____ (from air sample data
and Appendix B Proc.
2.50.10 Evaluation of
Radiological Data)

Recommended Action (From sampling information and specifications in Table 1,
Proc. 2.50.14, Emergency Radiation Exposure Control)

Comments _____

NOTE: Additional information, such as area surveys, should be recorded on
the back of this form.

_____/_____
Surveyor Date

Dept. Head ALF
Plt. Mgr. J. G. SCW
PORC RE

Proc. No. 2.50.3
Class. A
Rev. No. 3
Issue Date 7-16-82
Review Date 7-16-84

2.50.3 SITE AREA EMERGENCY

1.0 DISCUSSION

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 events included in the Site Area Emergency Category represent a potential for off-site releases which could impact to the extent that off-site protective actions may be necessary. Assessment of radiological parameters will determine the type of protective measures necessary.

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 the declaration of a Site Area Emergency. All personnel without emergency assignments are evacuated from the plant.

The decision to make an immediate initial declaration rests with the Emergency Coordinator. Prompt notification is made to the off-site authorities and follow-up information is made available to keep these authorities cognizant of plant conditions. Public information concerning the event will be provided via appropriate mechanisms. The public will be alerted by the Public Emergency Alert System under this emergency. Activation of the Public Emergency Alert System will be a state decision.

The following appendices are attached and are to be used as check-off sheets by individuals responsible for implementation of this procedure at the various identified center locations:

	Appendix I	Plant Shift Superintendent (Initial declaration)	Pg. 6
R	Appendix IA	Plant Shift Supt. (Escalation to Site Area)	Pg. 10
R	Appendix IB	Plant Shift Supt. (De-escalation to Site Area)	Pg. 15
	Appendix II	Plant Management	Pg. 17
	Appendix III	Technical Support Center Coordinator	Pg. 19
	Appendix IV	Operations Support Center Coordinator	Pg. 22
	Appendix V	Emergency Coordinator (Initial declaration)	Pg. 24
R	Appendix VA	Emergency Coordinator (Escalation to Site Area)	Pg. 29
R	Appendix VB	Emergency Coordinator (De-escalation to Site Area)	Pg. 35
	Appendix V-1	Radiological Evaluation Assistant	Pg. 36
	Appendix V-2	Communications Assistant	Pg. 40
	Appendix V-3	Manpower and Planning Assistant	Pg. 42
	Appendix V-4	Coordinator's Assistant	Pg. 43
	Appendix VI	Radiological Habitability Assessment	Pg. 44

2.0 OBJECTIVE

To outline the actions required of plant personnel, visitors, contractors, and other affected personnel in the event of a Site Area Emergency.

3.0 PREREQUISITE(S)

A Site Area Emergency has been declared per procedure 2.50.0, "Declaration and Categorization of Emergency Condition."

R NOTE: We may get to a Site Area Emergency in three ways:

1. Our initial declaration may be a Site Area Emergency.
2. We may escalate to a Site Area from a lower category emergency.
3. We may de-escalate to a Site Area from a General Emergency.

The above appendices will address each of these cases.

4.0 PROCEDURE

- R
1. Having recognized the emergency condition and its classification as a Site Area Emergency according to Procedure 2.50.0, "Declaration and Categorization of Emergency Condition", Plant Shift Superintendent will follow the actions specified in Appendix I, IA, or IB.
 2. After being notified of the Site Area Emergency, the Plant Manager or his designated alternate will carry out the actions specified in Appendix II.
 3. The Technical Support Center Coordinator will respond and perform the actions specified in Appendix III.
 4. The Operations Support Center Coordinator will respond and perform those actions specified in Appendix IV.
- R
5. The Emergency Coordinator/On Call Supervisor will respond and perform those actions specified in Appendix V, VA, or VB.
 6. The Emergency Operations Facility (EOF) will be activated and those personnel with EOF duties will respond and perform those actions specified in Appendices V-1 thru V-4.

FINAL CONDITIONS

1. When the Site Area Emergency condition has been brought under control and plant conditions have stabilized to the satisfaction of the Plant Manager, the Plant Shift Superintendent and the Emergency Coordinator, and such stabilization does not require de-escalation to a lower emergency classification, then the Emergency Coordinator may, in accordance with Procedure 2.50.0, "Declaration and Categorization of Emergency Condition," step 7.4, declare the emergency condition terminated.
2. Under the conditions stated in step 1, the Emergency Coordinator will instruct the Plant Shift Superintendent to announce on the FEMCO system that the Site Area Emergency is ended.

- 3. The Emergency Coordinator will close out the event by issuing verbal summaries to offsite authorities and agencies in accordance with procedure 2.50.17, "Emergency Notification".

OR

It may be necessary to escalate or de-escalate the emergency classification as deemed necessary by the Emergency Coordinator.

NOTE: The Emergency Coordinator should ensure that the NRC, MBCEP, CMP, and YAEC have been notified in step 3 above.

- 4. Public information statements will be prepared and released by Maine Yankee corporate office personnel at the Central Maine Power Company, Augusta or, if conditions warrant, at an appropriate center location.
- 5. If conditions warrant termination of the emergency, the plant staff will be notified that a recovery phase is in effect under the direction of a Recovery Manager.
- R 6. Personnel will report to the Emergency Centers as directed:
 - a) Weekends or backshifts during operations:
 - 1. On site operations personnel report to the Control Room or as directed by the Plant Shift Superintendent. All other personnel on site report as for normal working hours or as directed by the Plant Shift Superintendent.
 - 2. Personnel reporting to the site will check in at the Emergency Operations Facility.
 - b) Normal working hours:

<u>Operations</u>	<u>Initially Report To</u>	<u>Assignments</u>
Dept. Head	Cont. Room	T.S.C.
Asst. Dept. Head	T.S.C.	
Shift P.S.S.	Cont. Room	
Shift Operators	Cont. Room	
Spare P.S.S.	O.S.C.	
Spare Operators	O.S.C.	
 <u>Maintenance</u>		
Dept. Head	T.S.C.	
Section Head	E.O.F.	O.S.C. as needed
All Others	E.O.F.	O.S.C. as needed

<u>Health Physics</u>	<u>Initially Report To</u>	<u>Assignments</u>
Section Head	E.O.F.	
Asst. Section Head	O.S.C.	
Foreman	E.O.F.	
Specialists	E.O.F.	T.S.C. + O.S.C. as needed
Technicians	O.S.C.	E.O.F. as needed
Testers	O.S.C.	E.O.F. as needed
Aides	E.O.F.	Dosimetry & Records
 <u>Chemistry</u>		
Section Head	T.S.C.	
Supervisors	O.S.C.	E.O.F. as needed
Technicians	O.S.C.	E.O.F. as needed
 <u>I & C</u>		
Section Head	T.S.C.	
Foreman	E.O.F.	O.S.C. as needed
Technicians of Testers	E.O.F.	O.S.C. as needed
 <u>Plant Eng.</u>		
Lead Eng.	T.S.C.	
Eng. and Aides	E.O.F.	T.S.C. as needed
 <u>QA</u>		
All Personnel	E.O.F.	
 <u>Nuclear Safety</u>		
All Personnel	T.S.C.	E.O.F. as needed
 <u>Reactor Eng.</u>		
Section Head	T.S.C.	
Engs.	E.O.F.	T.S.C. as needed
 <u>Computer Group</u>		
Section Head	Comp. Room	
Sr. Analyst	Comp. Room	
Analysts	E.O.F.	T.S.C. as needed

<u>Training</u>	<u>Initially Report To</u>	<u>Assignments</u>
All Personnel	E.O.F.	
<u>Plant Services</u>		
All Personnel	E.O.F.	
<u>Stores</u>		
All Personnel	E.O.F.	
<u>Administrative</u>		
All Personnel	E.O.F.	

APPENDIX I

SITE AREA EMERGENCY - PLANT SHIFT SUPERINTENDENT

R When the initial emergency declaration is a Site Area Emergency

REQUIRED ACTIONS:

INITIAL/ TIME

- 1. Instruct shift personnel to initiate applicable portions of procedure 2.50.17, "Emergency Notification." _____/_____
- 2. Act as the Emergency Coordinator until relieved. _____/_____
- 3. Instruct control room personnel to sound a ten second blast of the evacuation alarm and make the following announcement on the Femco system:
 - a. "Site Area Emergency, Site Area Emergency, Site Area Emergency:"
 - b. "(Describe condition and affected area)"
 - c. "Plant staff with emergency duties report to your assigned emergency center and be accounted for by the center supervisor. All other plant staff, visitors and contractors assemble at the Information Center and await further instruction"

NOTE: Repeat the announcement. _____/_____

- 4. Request the Shift Technical Advisor to report to the control room and instruct him to:
 - a. Notify the NRC on the Emergency Notification Sytem (red phone). Maintain an open communications' channel on this line. This channel will be closed only when allowed to do so by the NRC. _____/_____
 - b. Notify Maine Yankee Nuclear Support Division. _____/_____
 - c. Notify Yankee Nuclear Support Division. _____/_____
 - d. Review the classification and determine required assistance. _____/_____
 - e. Advise the Plant Shift Superintendent on response measures. _____/_____

R

- 5. Contact the On-Call Supervisor, inform him of current plant status and request assistance as required. _____/_____

NOTE: Steps 6 and 7 must be performed by the same person.

- 6. Notify the Maine State Police using the hot line/dedicated phone line in the control room.

INITIAL/ TIME

If contact cannot be made by this system, notify using the State Police Radio in the control room.

If neither phone nor State Police Radio contact can be made, notify the CMP dispatcher to notify the State Police.

Using one of the above communication systems, provide either Message A or B as indicated below:

Message A: Use if no offsite release is involved

- . This is (name of caller) from Maine Yankee Atomic Power Station.
- . We have a Site Area Emergency.
- . No releases of radioactivity are involved.
- . As a precautionary measure we recommend that the general public tune in to their local emergency radio station for further instructions.
- . I expect a confirmation call".

Repeat the entire message indicated above.

OR

Message B: Use if an offsite release is in progress or projected

- . This is (name of caller) from Maine Yankee Atomic Power Station.
- . We have a Site Area Emergency.
- . A release is in progress or is expected.
- . The wind is blowing from (provide current wind speed and direction).
- . As a precautionary action we recommend that the general public seek shelter and tune in their local emergency radion station for further instruction.
- . I expect a confirmation call.

Repeat the entire message above.

NOTE: This action must be completed within 15 minutes of the declaration of the emergency.

INITIAL/ TIME

- 7. Provide confirmation for the State Police.

_____/____

NOTE: State Police will call back and ask to speak to the individual who made the call in step 6.

SUBSEQUENT ACTIONS

- R 1. Estimate the off-site dose using the radiation monitors and the computer or the nomograms in the Control Room. Refer to Procedure 2.50.10 "Evaluation of Radiological Data". _____/_____
- 2. Be prepared to provide plant status information via the hot line to off-site authorities if requested. _____/_____
- 3. Notify the OMP Dispatcher, who in turn will notify Maine Yankee Corporate Management and the Public Affairs and Information Service. _____/_____
- 4. When the TSC establishes contact with the control room request any required assistance in handling communications. _____/_____
- 5. If the event produces abnormal in-plant radiological conditions, direct the Shift Chemistry and Health Physics technician to evaluate the condition and augment this capability with the manpower provided by the Emergency Coordinator when applicable. _____/_____
- 6. Account for duty shift personnel. Give names of personnel accounted for to the Technical Support Center. _____/_____
- 7. Request assistance of outside agencies (fire, law enforcement, or medical rescue personnel) as needed to deal with the event: (Refer to Procedure 2.50.17, "Emergency Notification") (if applicable)
 - a. Fire _____/_____
 - b. Medical _____/_____
 - c. Law enforcement (in conjunction with the Shift Security Supervisor). _____/_____
- 8. Together with the Emergency Coordinator, and the Shift Technical Advisor, re-evaluate the emergency classification to see if conditions warrant, escalation or de-escalation of the classification. _____/_____
- R 9. If conditions warrant escalation to a General Emergency go to Procedure 2.50.4 and follow the Appendix IA. _____/_____

INITIAL / TIME

R 10. If after discussion with the Shift Technical Advisor, Technical Support Center Coordinator and the Emergency Coordinator the decision to de-escalate is made, assure the following takes place:

a. Notify plant personnel of de-escalation to Alert, Unusual Event or non-emergency status whichever applies.

_____/____

b. Notify the CMP dispatcher of the de-escalation.

_____/____

c. Review the applicable procedure to see if all necessary functions are being maintained.

_____/____

11. If shift turnover is required, brief incoming Operations personnel on accident proceedings prior to relinquishing control.

_____/____

12. Summarize all actions and resultant conditions in the Control Room Log either when a shift has been completed or when the emergency has been terminated.

_____/____

R

APPENDIX IA

PLANT SHIFT SUPERINTENDENT
ESCALATION TO SITE AREA FROM A UNUSUAL EVENT OR ALERT

The plant has been in either an Unusual Event or Alert condition for some period of time. The initial conditions will vary depending on which level emergency we are escalating from.

If escalating from a Unusual Event:

1. The On-Call Supervisor may be on-site or he may be on standby at a phone.
2. None of the Emergency Centers are activated.
3. During normal working hours, plant staff are all on site only visitors and contractors have been evacuated.
4. YNSD and ANI have not been notified.

If escalating from an Alert:

1. The On-Call Supervisor is on-site and has assumed his Emergency Coordinator duties. All notifications and offsite phone contacts will be made from the E.O.F.
2. All Emergency Centers are activated.
3. Plant staff with no emergency duties have evacuated to the Information Center.
4. All required agencies and organizations have been made aware that the plant was in an Alert status.

REQUIRED ACTIONS:

INITIAL/TIME

- | | | |
|------|---|------------|
| 1. | Contact the On-Call Supervisor/Emergency Coordinator. Inform him of the current plant status and request him to initiate applicable portions of Procedure 2.50.17 "Emergency Notification". | _____/____ |
| R 2. | If the On-Call Supervisor or other trained Emergency Coordinator is not on-site continue to act as the Emergency Coordinator. | _____/____ |
| R 3. | Instruct control room personnel to sound a ten second blast of the evacuation alarm and make the following announcement on the FEMCO system: | _____/____ |
| R | a. "Site Area Emergency, Site Area Emergency, Site Area Emergency". | |

INITIAL/TIME

- b. "(Describe condition and effected area)".
- c. "Plant staff with emergency duties report to your assigned emergency center and be accounted for by the center coordinator. All other plant staff, visitors and contractors assemble at the Information Center and await further instruction".

NOTE: Repeat the announcement.

_____/____

*** If the On-Call Supervisor/Emergency Coordinator is off-site, skip steps 4 & 5.

- 4. If the On-Call Supervisor/Emergency Coordinator is on-site have the STA continue to perform his advisory duties.
- 5. Check with the Emergency Coordinator to assure that the following notifications of the escalation have been made:

_____/____

- a. NRC on the Emergency Notification System (Red Phone). Maintain the open communications channel on this line. This channel will be closed only when allowed to do so by the NRC.

- R b. Maine State Police and CEP (State Hot Line Phone).

_____/____

- c. Maine Yankee Nuclear Support Division.

_____/____

- R d. Yankee Nuclear Support Division.

_____/____

*** If the On-Call Supervisor/Emergency Coordinator is on-site, skip steps 6 & 7.

NOTE: If the escalation is from an Unusual Event and is during a back shift or weekend the On-Call Supervisor/Emergency Coordinator may not be on-site. In that event have the STA make the notifications listed in Step 5 above.

- 6. If the On Call Supervisor/Emergency Coordinator is not yet on-site notify the Maine State Police and CEP using the State hot line phone in the control room.

If contact cannot be made by this system, notify using the State Police Radio in the control room.

If neither phone nor State Police Radio contact can be made, notify the CMP dispatcher to notify the State Police.

Using one of the above communication systems, provide either Message A or B as indicated below:

INITIAL/TIME

Message A: Use if no off-site release is involved

- . This is (name of caller) from Maine Yankee Atomic Power Station.
- . We have escalated to a Site Area Emergency.
- . No releases of radioactivity are involved.
- . As a precautionary measure we recommend that the general public tune in to their local emergency radio station for further instructions.
- . I expect a confirmation call".

Repeat the entire message indicated above.

OR

Message B: Use if an off-site release is in progress or projected

- . This is (name of caller) from Maine Yankee Atomic Power Station.
- . we have escalated to a Site Area Emergency.
- . A release is in progress or is expected.
- . The wind is blowing from (provide current wind speed and direction).
- . As a precautionary action we recommend that the general public seek shelter and tune in their local emergency radion station for further instruction.
- . I expect a confirmation call.

Repeat the entire message above.

NOTE: This action must be completed within 15 minutes of the decision to escalate the emergency classificaton.

7. State Police have confirmed message.

_____ / _____

NOTE: State Police will call back and ask to speak to the individual who made the call in Step 6.

INITIAL/TIME

SUBSEQUENT ACTIONS:

1. Off-site phone communications will be handled from the EOF when it is staffed. _____/_____
2. Notify the CMP Dispatcher, via microwave, who will in turn notify M.Y. Corporate Management and Public Affairs and Information Service. _____/_____
3. Establish contact with the TSC and OSC if escalating from an Unusual Event. _____/_____
4. Maintain contact with the TSC and OSC if escalating from an Alert. _____/_____
5. If escalating from an Unusual Event account for duty shift personnel. Give the names of personnel accounted for to the Technical Support Center. _____/_____
6. If escalating from an Alert personnel accountability has been completed. If you should lose contact with any personnel in the plant report his name and his possible location to the EOF. _____/_____
7. Assure that all personnel returning to the control room from assignments in the plant check their dosimetry. Report any offscale or high exposures to the EOF. _____/_____
8. Request assistance of outside agencies (fire, law enforcement, or medical rescue personnel) as needed to deal with the event: (Refer to Procedure 2.50.17 "Emergency Notification", page 3).
 - a. Fire
 - b. Medical
 - c. Law Enforcement (in conjunction with the Shift Security Supervisor).
9. Together with the Emergency Coordinator, the Shift Technical Advisor and the Technical Support Center Coordinator, re-evaluate the emergency classification to see if conditions warrant, escalation or de-escalation of the classification. _____/_____
10. If conditions warrant escalation to a General Emergency go to Procedure 2.50.4 and follow the Appendix IA. _____/_____
11. If conditions warrant de-escalation assure the following takes place: _____/_____
 - a. Notify plant personnel of de-escalation to Alert, Unusual Event or a non-emergency status, whichever applies.

INITIAL/TIME

- b. Notify the CMP Dispatcher of the de-escalation.
 - c. Review the applicable procedure to see if all the necessary functions are being maintained.
12. If shift turnover is required, brief incoming Operations personnel on accident proceedings prior to relinquishing control.
13. Summarize all actions and resultant in the Operations Log either when a shift has been completed or when the emergency has terminated.

_____/____

_____/____

R

APPENDIX IB

PLANT SHIFT SUPERINTENDENT
DE-ESCALATION TO A SITE AREA EMERGENCY FROM A GENERAL EMERGENCY

INITIAL CONDITIONS:

1. The plant has been in a General Emergency condition.
2. All the required personnel and offsite agencies are on site or on the way.
3. The decision to de-escalate to a Site Area Emergency has been made after consultation with Plant Management, the Emergency Coordinator, the Shift Technical Advisor, the Technical Support Center Coordinator and other technical advisors.

REQUIRED ACTIONS:

INITIAL/TIME

- | | |
|---|------------|
| 1. Maintain all actions necessary to bring the emergency under control. | _____/____ |
| R 2. Check that the announcement of the de-escalation to Site Area Emergency has been made over the FEMCO system. | _____/____ |
| 3. Check with the EDF to see if all required notifications have been made. | _____/____ |
| 4. Account for any personnel that have been sent out in the plant to perform emergency actions. | _____/____ |
| 5. If contact is lost with any personnel sent out in the plant to perform emergency functions, report the name and possible location to the EDF. | _____/____ |
| 6. Have personnel check dosimeters. | _____/____ |
| 7. Report any offscale or high range dosimeter reading over 500 mr to the EDF. | |
| 8. Maintain communications with all emergency centers. | |
| 9. If conditions should warrant re-escalation to a General Emergency go to Procedure 2.50.4 "General Emergency" and follow the Appendix IA. | |
| 10. If after discussion, with the Shift Technical Advisor, the Technical Support Center Coordinator, the Emergency Coordinator, Plant Management and other technical advisors, the decision to de-escalate is made go to the appropriate procedure 2.50.2 "Alert" or 2.50.1 "Unusual Event" and follow the Appendix IB. | |

INITIAL/TIME

11. If shift turnover is required, brief incoming Operations personnel on accident proceedings prior to relinquishing control.

_____/____

12. Summarize all actions and resultant conditions in the Operations Log either when a shift has been completed or when the emergency has been terminated.

_____/____

APPENDIX II

SITE AREA EMERGENCY - PLANT MANAGER

R This Appendix applies in all cases, initial declaration of a Site Area Emergency, an escalation to a Site Area Emergency or a de-escalation from a General Emergency.

REQUIRED ACTIONS

1. Assess the situation based on information supplied by the Plant Shift Superintendent or the On-Call Supervisor and report to the plant.

NOTE: The Plant Manager is not assigned to any particular center as he is responsible for overall direction of emergency response.

NOTE: In the absence of the Plant Manager, the following individuals, in the order listed, are designated as his alternates:

- Assistant Plant Manager (one of three Dept. Heads is permanently designated).
- Operations Dept. Head
- Technical Support Dept. Head
- On-Duty Plant Shift Superintendent

SUBSEQUENT ACTIONS

1. Assure continuity of resources (technical, administrative, and material) on a 24 hour basis as required.
2. Act as liaison between plant and corporate headquarters for the generation of public information releases.
3. Inform M.Y. Corporate Management when additional resources are required to augment plant resources. (Combustion Engineering, Stone & Webster & other contracted services)
4. Inform M.Y. Nuclear Support Division when Yankee Nuclear Service Division support other than the Site Response group is required.
5. Periodically review emergency classification with the Emergency Coordinator and Shift Technical Advisor adjust if conditions warrant such action.
6. Direct the emergency organization until such time that the emergency condition has been terminated.

NOTE: Notify plant staff, corporate office and other emergency resources if the emergency condition requires a transition to a recovery phase.

7. Direct plant action during the recovery phase, when applicable.

- R 8. Close out the event by summarizing details and actions with the appropriate off-site agencies:
 - A. Nuclear Regulatory Commission
 - B. State of Maine
 - C. Federal Emergency Management Agency

APPENDIX III

SITE AREA EMERGENCY - TECHNICAL SUPPORT CENTER COORDINATOR

- R This Appendix applies when the initial emergency classification is a Site Area Emergency and when we are escalating to a Site Area from an Unusual Event.
- R When escalating to a Site Area from an Alert the following Actions except for items 10 & 11 have been initiated. When de-escalating from a General Emergency the following actions have all been initiated. Review all actions to assure that all necessary functions are being maintained.

REQUIRED ACTIONS

INITIAL/ TIME

- 1. Establish voice communications with the control room, using channel 4 of the plant paging system, and document the reported event history and current plant status. _____/_____
- 2. Assure that representatives from the following Technical disciplines have assembled at the TSC (Drafting Office if radiological conditions allow) _____/_____
 - a. Operations
 - b. Reactor
 - c. Instrumentation and Control
 - d. Chemistry
 - e. Computer
 - f. Plant Engineering Dept.
 - g. Radiological Controls (Specialist)
 - h. Nuclear Safety

R

NOTE: After a period of travel time to the plant, the above staff will be augmented with Yankee Nuclear Services Division staff.

- 3. Review and aid in coordinating in-plant activities with the Plant Shift Superintendent, Shift Technical Advisor and/or the Operations Department Head (if onsite) relative to bringing the plant to a safe condition. _____/_____
- 4. Determine center habitability in accordance with Appendix VI. Request assistance from the EDF if needed. _____/_____

R

NOTE: The following accountability steps should only be performed after the initial set up of the Technical Support Center.

- R 5. Conduct personnel accountability in the TSC and Control Room. Report the names of all personnel accounted for to the Security Captain at the Gatehouse. Do not wait to be contacted by Security. _____/_____
- 6. If Security reports that there are unaccounted personnel, call the personnel over the Femco system. _____/_____

INITIAL/ TIME

- 7. If missing personnel cannot be reached, notify the Emergency Coordinator that a search and rescue team is needed. _____/_____
- 8. Periodically assess plant status. _____/_____
- 9. Utilizing the information acquired in Step 8 inform Plant and Corporate Management of the details of any significant changes in the plant status. _____/_____
- 10. When contacted by the Yankee Engineering Support Center staff, provide a plant status report and request any technical assistance. _____/_____
- 11. Instruct security to prepare for the arrival of Nuclear Services Division personnel (YAEC), NRC representatives, and State Civil Defense and/or State Health Engineering representatives at the EOF. _____/_____
- R 12. Notify the Emergency Coordinator, using the phone or channel 2 of the plant page system, when in-plant operational changes could change in-plant and/or off-site radiological conditions. _____/_____
- 13. Assume the responsibility for maintaining open communications with the NRC (red phone) if the Plant Shift Superintendent requires such action. _____/_____
- R 14. Have personnel who report to the Technical Support Center from other locations check their dosimeter reading. _____/_____
- R 15. Monitor the dose levels in the Center at regular intervals. _____/_____
- R 16. Report any increase in area dose level or any high personnel exposure to the Radiological Evaluation Assistant of the E.O.F. _____/_____
- 17. Remain active and manned until terminated by Plant Management. _____/_____
- R 18. When the Site Area Emergency is de-escalated to an Alert go to Procedure 2.50.2 "Alert" and review Appendix III. _____/_____
- R 19. When the Site Area Emergency is de-escalated to a Unusal Event or a non-emergency status, perform the following:
 - R a) Check with the Control Room and the E.O.F. to see if any T.S.C. personnel are needed. _____/_____
 - R b) Assure that any personnel that had been assigned to perform emergency duties in the plant have been accounted for and that their dosimeters have been read and their accumulated dose evaluated. _____/_____

- R c) Collect all records, data, and logs. Turn in to the Emergency Coordinator. _____/_____
- R d) Instruct personnel to return to their department areas, the E.O.F. or that they are relieved, depending on discussion with the Emergency Coordinator on the need for recovery actions. _____/_____
- R e) Check with the Emergency Coordinator for the time and location of any recovery or post accident meetings. _____/_____

APPENDIX IV

SITE AREA EMERGENCY - OPERATIONS SUPPORT CENTER COORDINATOR

- R This Appendix applies when the initial emergency classification is a Site Area Emergency, and when we escalate to a Site Area Emergency from an Unusual Event.
- R When we are escalating from an Alert or de-escalating from a General Emergency to a Site Area Emergency all the following steps will have been initiated. Review these steps and assure that the center is performing all necessary functions.

- | | <u>INITIAL/ TIME</u> |
|---|----------------------|
| 1. The first OSC member to arrive will establish communications with the TSC using either the in-plant phone extension or the page/intercom set. | _____/____ |
| R 2. Establish communications with the E.O.F. | _____/____ |
| 3. Center Coordinator (Senior Supervisor present), assure that all Operations Department personnel not assigned to the operating shift report to the OSC. | _____/____ |
| 4. Assure that all Chemistry personnel and Health Physics personnel report to the OSC. | _____/____ |
| 5. Determine the habitability of the OSC in accordance with Appendix VI. | _____/____ |
| R 6. Conduct personnel accountability in the OSC and report the names of all personnel accounted for to the Security Captain at the Gatehouse. Do not wait to be contacted by Security. | _____/____ |
| 7. Provide assistance in the investigation or repair of plant systems, as directed by appropriate supervisor. | _____/____ |
| 8. Provide the necessary technical manpower required to provide in-plant radiological monitoring and habitability assessment. | _____/____ |
| 9. Provide assistance in the decontamination of affected plant areas as necessary. | _____/____ |
| 10. work in conjunction with the Manpower and Planning Assistant in preparing for operating shift turnover and relief. | _____/____ |
| R 11. Assist the E.O.F. in monitoring personnel exposure and keeping the exposure within the limits provided in Procedure 2.50.14 "Emergency Radiation Exposure Control". | _____/____ |

- R 12. Assure that any personnel that have been assigned to perform emergency actions in the plant are accounted for upon their return and that their accumulated dose is evaluated. _____/____
- R 13. Report any off scale or high exposures to the E.O.F. _____/____
- R 14. Report the name and possible location of any personnel that you lose contact with to the Radiological Evaluation Assistant at the E.O.F. _____/____
- R 15. Monitor the dose levels in the O.S.C. at regular intervals. _____/____
- 16. Assure that the OSC remains active and manned for the duration of the emergency. _____/____
- R 17. When the Site Area Emergency is de-escalated to an Alert go to Procedure 2.50.2 "Alert" and review Appendix IV. _____/____
- R 18. When the Site Area Emergency is de-escalated to an Unusual Event or to a non-emergency status, perform the following:
 - R a) Check with the Control Room and the E.O.F. to see if any O.S.C. personnel are needed. _____/____
 - R b) Assure that all personnel are accounted for and that their accumulated dose is evaluated. _____/____
 - R c) Collect all records, data, and logs. Turn in to the Emergency Coordinator. _____/____
 - R d) Instruct personnel to return to their department areas, the E.O.F. or that they are relieved, depending on discussion with the Emergency Coordinator on the need for recovery actions. _____/____
 - R e) Check with the Emergency Coordinator for the time and location of any recovery or post accident meetings. _____/____

APPENDIX V

SITE AREA EMERGENCY - ON-CALL SUPERVISOR/EMERGENCY COORDINATOR

R When the initial emergency declaration is a Site Area Emergency:

REQUIRED ACTIONS

INITIAL/ TIME

- R 1. Assume the functions of Emergency Coordinator at the E.O.F.

_____/____

NOTE: The On-Call Supervisor, when notified, will assume the position of Emergency Coordinator and continue in this position until relieved.

- 2. Notify Plant Management.

_____/____

NOTE: On back shifts and weekends the Plant Shift Superintendent will notify the On-Call Supervisor and brief him on plant conditions.

- 3. Augment the duty staff, during back shifts and weekends, by notifying one person from each of the following call lists Procedure 2.50.17, "Emergency Notification":

Operations Support List

_____/____

Technical Support List

_____/____

Emergency Coordination List

_____/____

NOTE: Assure that the person contacted has a call list available so that he may continue notifications.

- 4. During normal working hours contact the Operations Support Center for Health Physics and Chemistry personnel.

_____/____

- 5. Report to the Emergency Operations Facility (EOF).

_____/____

NOTE: This will be the Information Center unless otherwise notified.

- R 6. Check with the control room to see if all notifications (NRC, State and M.Y. Corporate) have been made. If any calls have not been made instruct the control room that the call will be made from the EOF.

_____/____

- 7. Get updated conditions from the Plant Shift Superintendent and the Shift Technical Advisor and confirm or re-evaluate the emergency classification using Procedure 2.50.0, "Declaration and Categorization of Emergency Condition" criteria.

_____/____

INITIAL / TIME

R 8. If after consultation with the Plant Shift Superintendent, the Shift Technical Advisor and the Technical Support Center Coordinator it is determined that conditions warrant escalation to a General Emergency go to Appendix VA of Procedure 2.50.4 "General Emergency".

_____/____

or

If conditions warrant a de-escalation or termination go to Step 31.

9. Contact the Plant Shift Superintendent and obtain a plant status report and the current meteorological conditions.

_____/____

10. Direct incoming qualified emergency personnel to conduct a center habitability determination using Appendix VI.

_____/____

11. If it is determined that the center may become uninhabitable initiate planning for evacuation of center and actuating the alternate EOF.

_____/____

12. If it is determined that the center is uninhabitable initiate the movement of personnel and equipment to the alternate EOF. Direct the Security Force to initiate their plan for the move.

_____/____

13. Assign the following emergency duties to appropriate qualified personnel as they arrive at the EOF:

Name of Individual

Coordinator's Assistant

Communications Assistant

Radiological Evaluation Assistant

Manpower and Planning Assistant

14. Check with plant security and determine the status of personnel accountability.

_____/____

15. Contact the Technical Support Center and inform them of the plant personnel accountability status.

_____/____

16. Check with the Technical Support Center to see if search and rescue personnel are needed.

_____/____

INITIAL/ TIME

17. Check with the Technical Support Center, the Operations Support Center and the Control Room to assure that habitability has been established. If habitability has not been established direct Health Physics personnel to make an assessment using Appendix VI.

Technical Support Center	Habitability Established	_____ / _____
	Survey Team Assigned	_____ / _____
Operational Support Center	Habitability Established	_____ / _____
	Survey Team Assigned	_____ / _____
Control Room	Habitability Established	_____ / _____
	Survey Team Assigned	_____ / _____

R 18. Check with plant security to assure that site access and control measures have been taken, Procedure 2.50.9 "Security Force Radiation Emergency Plan".

_____ / _____

19. Establish contact with and brief the following outside agencies that will report to the EOF.

R NOTE: Briefings may be assigned to the Coordinators Assistant.

NAME

N.R.C.	_____	_____ / _____
Maine Div. of Health & Eng.	_____	_____ / _____
Maine State Police	_____	_____ / _____
Maine Civil Emerg. Prep.	_____	_____ / _____

NOTE: Inform members of the above agencies of current dose rate projections, plant conditions, field sample results and recommendations concerning emergency actions.

20. If representatives of the above agencies are not present at the EOF communications is maintained with these agencies via the dedicated phones to:

CONTACT ESTABLISHED

Maine C.E.P. at State EOF (Hot Line)	_____ / _____
N.R.C. (Red Phone)	_____ / _____

INITIAL/ TIME

21. The following Yankee Nuclear Service Division personnel will report to the EOF for assignments to augment plant personnel:

	ASSIGNED TO	NAME	
Systems Engineer	TSC	_____	____/____
Safety Analysis Engineer	TSC	_____	____/____
Radiological Engineer	TSC	_____	____/____
Radiation Protection Engineer	EOF	_____	____/____
Emergency Plan Engineer	EOF	_____	____/____
Yankee Environmental Lab Staff	EOF	_____	____/____

22. When contacted by Yankee Engineering Support Staff, provide radiological status reports, and request any required assistance.

____/____

23. Notify H.P. of the arrival of any aid and assistance personnel so that they may prepare the necessary badging.

____/____

24. If there are injured personnel, provide first aid treatment and prepare the patient(s) for transfer to the Bath Hospital by the local ambulance service, or, if unavailable, use the Company or private station wagon. (See Emergency Procedure 2.50.8)

R NOTE: Contact Dr. Keating or his alternate

NOTE: Provide the Bath Hospital (_____, with the following information before a patient arrives at the hospital.

1. Number of accident victims (and whether they are radioactively contaminated).
2. Nature of medical problem of each.
3. Magnitude of radiation aspect, if applicable.
4. Anticipated time of arrival at the hospital.
5. Who will accompany patients.

Transfer the patient(s) to the ambulance or station wagon. If the patient is contaminated, assign a Health Physics representative to accompany them to the hospital to maintain radiological controls.

INITIAL / TIME

- 25. Check that the Manpower and Planning Assistant has prepared to supplement plant manpower as may be dictated by emergency management. _____ / _____
- 26. Check that the Manpower and Planning Assistant has scheduled personnel for shift turnover and relief. _____ / _____
- R 27. Evaluate current exposure totals as an aide in determining personnel needing relief. Refer to Procedure 2.50.14 "Emergency Radiation Exposure Control" for guidance. _____ / _____
- 28. Ensure that the EOF remains active and adequately manned and supplied for the duration of the event. _____ / _____
- 29. Notify American Nuclear Insurers (See Procedure 2.50.17, "Emergency Notification", for the phone number.) _____ / _____
- 30. Periodically confer with the Plant Manager or his alternate, the Plant Shift Superintendent and Technical Support Center staff concerning the emergency classification. _____ / _____
- R 31. If the Site Area Emergency condition has been brought under control and plant conditions have stabilized to the satisfaction of those personnel in Step 30, then:
 - a. If de-escalation is to an Alert go to Appendix VB of Procedure 2.50.2 "Alert". _____ / _____
 - b. If de-escalation is to an Unusual Event or a non-emergency condition go to Appendix III of Procedure 2.50.1 "Notification of Unusual Event". _____ / _____
 - R c. Ensure that corporate support groups notify any requested industry groups of this close-out. _____ / _____
 - R d. Coordinate the restoration of emergency equipment to its original state. _____ / _____
 - R e. Assist the Plant Manager in coordinating a recovery phase, if applicable. _____ / _____
- R 32. Confer with the Recovery Manager on the necessary actions required to initiate recovery operations. _____ / _____

R

APPENDIX VA

SITE AREA EMERGENCY - ON-CALL SUPERVISOR/EMERGENCY COORDINATOR

Escalation to a Site Area Emergency from an Unusual Event or an Alert condition.

INITIAL CONDITIONS:

1. Escalation from an Unusual Event:
 - a. The On-Call Supervisor may be on-site or he may be on standby at a phone.
 - b. None of the emergency centers are activated.
 - c. During normal work days the plant staff are on site and visitors and contractors have been evacuated to the Information Center.
 - d. The NRC, the State and M.Y. Nuclear Service Division have been notified of the Unusual Event. Yankee Nuclear Service Division and the American Nuclear Insurers have not received any notification.

NOTE: When escalating from an Unusual Event to a Site Area Emergency use Appendix V on page 24.

2. Escalating from an Alert
 - a. The On-Call Supervisor is on-site and has assumed his Emergency Coordinator's duties. All notifications and off-site phone contacts are being made from the EOF.
 - b. All emergency centers are activated.
 - c. During normal work days all the plant staff with no emergency duties have been evacuated to the Information Center.
3. All required agencies and organizations have been notified that the plant was in an Alert status.

REQUIRED ACTIONS

INITIAL/TIME

1. The control room has announced the Site Area Emergency condition over the FEMCO. _____/_____

NOTE: Check with the control room if you have not heard the announcement over the Information Center FEMCO.
2. Notify the NRC of the escalation over the Red Phone. Maintain the open communications channel on this lines. This channel will be closed only when allowed to do so by the NRC. _____/_____
3. Notify the State Police and Civil Emergency Preparedness using the hot line. _____/_____

INITIAL/TIME

If contact cannot be made by this system, notify using the State Police Radio in the control room.

If neither phone nor State Police Radio contact can be made, notify the CMP dispatcher to notify the State Police.

Using one of the above communication systems, provide either Message A or B as indicated below:

_____/____

Message A: Use if no off-site release is involved

- . This is (name of caller) from Maine Yankee Atomic Power Station.
- . We have escalated to a Site Area Emergency.
- . No releases of radioactivity are involved.
- . As a precautionary measure we recommend that the general public tune in to their local emergency radio station for further instructions.
- . I expect a confirmation call.

Repeat the entire message indicated above.

_____/____

OR

Message B: Use if an off-site release is in progress or projected

- . This is (name of caller) from Maine Yankee Atomic Power Station.
- . We have escalated to a Site Area Emergency.
- . A release is in progress or is expected.
- . The wind is blowing from (provide current wind speed and direction).
- . As a precautionary action we recommend that the general public seek shelter and tune in their local emergency radio station for further instruction.
- . I expect a confirmation call.

Repeat the entire message above.

_____/____

NOTE: This action must be completed within 15 minutes of the decision to escalate the emergency classification.

INITIAL/TIME

4. State Police have confirmed call.

_____/_____

NOTE: State Police will call back and ask to speak to the individual who made the call.

5. Notify Maine Yankee Nuclear Support Division of the escalation to a Site Area Emergency.

_____/_____

R 6. Notify the Plant Manager if he is not on site.

_____/_____

R 7. Notify Yankee Nuclear Services Division of the escalation to a Site Area Emergency.

_____/_____

8. Have the Manpower Coordinator check the manpower requirements of all emergency centers and call in extra personnel as required.

_____/_____

9. Get updated conditions from the Plant Shift Superintendent and the Shift Technical Advisor and confirm or re-evaluate the emergency classification using Procedure 2.50.2, "Declaration and Categorization of Emergency Condition" criteria.

_____/_____

R 10. If after consultation with the Plant Shift Superintendent, the Shift Technical Advisor and the Technical Support Center Coordinator it is determined that conditions warrant escalation to a General Emergency go to Appendix VA of Procedure 2.50.4 "General Emergency".

or

If conditions warrant a de-escalation or termination go to Step 27.

11. Maintain contact with the control room, Technical Support Center and the Operations Support Center.

_____/_____

R 12. Assure the habitability determinations are being made at all centers:

- a) Technical Support Center
- b) Operations Support Center
- c) Control Room

_____/_____
_____/_____
_____/_____
_____/_____

13. If it is determined that the EOF may become uninhabitable initiate planning for evacuation of the center and moving to the alternate center. The following actions should be taken:

a. Notify Security of the move.

_____/_____

b. Have available transportation alerted and ready to pick up personnel and equipment.

_____/_____

INITIAL/TIME

- c. Assemble all required equipment (emergency kits, radio, nomograms, dosimeter racks, counting equipment, etc.) for quick transport to the alternate center. _____/_____
- d. Notify any off-site teams in the field of the move. _____/_____
- R e. Dispatch several personnel to prepare the alternate EOF for use. Include a qualified Emergency Coordinator, if available. _____/_____
- 14. Personnel accountability has been performed. Assure that the Manpower Coordinator is being kept informed of all personnel entering and leaving the site. _____/_____
- 15. Check with Security to assure that site access and control measures have been taken. _____/_____
- 16. Establish contact with and brief (you may assign the Asst. Coordinator to brief) the following outside agencies that will report to the EOF.

NAME

- NRC _____/_____
- Maine Div. of Health/Eng. _____/_____
- Maine State Police _____/_____
- Maine Civil Emerg. Prep. _____/_____

NOTE: Inform member of the above agencies of current dose rate projections, plant conditions, field sample results and recommendations concerning emergency actions.

- 17. If representatives of the above agencies are not present at the EOF communications is maintained with these agencies via the dedicated phones to:
 - State (Hot Line) _____/_____
 - NRC (Red Phone) _____/_____

INITIAL/TIME

18. The following Yankee Nuclear Service Division personnel will report to the EOF for assignments to augment plant personnel:

	ASSIGNED TO	NAME	
Systems Engineer	TSC	_____	____/____
Safety Analysis Engineer	TSC	_____	____/____
Radiological Engineer	TSC	_____	____/____
Radiation Protection Engineer	EOF	_____	____/____
Emergency Plan Engineer	EOF	_____	____/____
Yankee Environmental Lab Staff	EOF	_____	____/____

19. When contacted by Yankee Engineering Support Staff, provide radiological status reports, and request any required assistance.

____/____

20. Notify H.P. of the arrival of any aid and assistance personnel so that they may prepare the necessary badging.

____/____

21. If there are injured personnel, provide first aid treatment and prepare the patient(s) for transfer to the Bath Hospital by the local ambulance service, _____ or, if unavailable, use the Company or private station wagon. (See Emergency Procedure 2.50.8)

R NOTE: Contact Dr. Keating or his alternate

NOTE: Provide the Bath Hospital _____ with the following information before a patient arrives at the hospital.

1. Number of accident victims (and whether they are radioactively contaminated).
2. Nature of medical problem of each.
3. Magnitude of radiation aspect, if applicable.
4. Anticipated time of arrival at the hospital.
5. Who will accompany patients.

Transfer the patient(s) to the ambulance or station wagon. If the patient is contaminated, assign a Health Physics representative to accompany them to the hospital to maintain radiological controls.

INITIAL/TIME

- 22. Check that the Manpower and Planning Assistant has scheduled personnel for shift turnover and relief. _____/_____
- R 23. Evaluate current exposure totals as an aide in determining personnel needing relief. Refer to Procedure 2.50.14 "Emergency Exposure Control" for guidance. _____/_____
- 24. Ensure that the EOF remains active and adequately manned and supplied for the duration of the event. _____/_____
- 25. Notify American Nuclear Insurers (See Procedure 2.50.17, "Emergency Notification", page 16, for the phone number.) _____/_____
- 26. Periodically confer with the Plant Manager or his alternate, the Plant Shift Superintendent and Technical Support Center staff concerning the emergency classification. _____/_____
- 27. If the Site Area Emergency condition has been brought under control and plant conditions have stabilized to the satisfaction of those personnel in Step 26, then:
 - a. If de-escalation is to an Alert go to Appendix VB of Procedure 2.50.2 "Alert". _____/_____
 - b. If de-escalation is to an Unusual Event or a non-emergency condition go to Appendix III of Procedure 2.50.1 "Notification of Unusual Event". _____/_____
- R 28. Confer with the Recovery Manager on the necessary actions required to initiate recovery operations, if necessary. _____/_____

APPENDIX V-1

SITE AREA EMERGENCY - RADIOLOGICAL EVALUATION ASSISTANT

R This Appendix applies when the initial emergency classification is a Site Area Emergency and when we are escalating to a Site Area Emergency from an Unusual Event.

R When we are escalating from an Alert to a Site Area and when we de-escalate to a Site Area from a General Emergency, the following actions will have been initiated. Review them to assure that all functions are being maintained.

REQUIRED ACTIONS

INITIAL/ TIME

- 1. Assign a Health Physics Supervisor to direct the H.P. activities being run from the Operations Support Center.

_____ / _____
name

- 2. Assign a Health Physics Specialist or other qualified person to direct the implementation of Procedure 2.50.10, "Evaluation of Radiological Data". His functions will include the following:

Radiological Data Evaluator

_____ / _____
name

- a) Set up tables in designated area of the EOF Command Room. _____ / _____
- b) Remove the computer CRT from the reception office and hook it up at its designated location in the EOF Command Room. _____ / _____
- c) Remove the nomograms and maps from storage and place in their designated locations in the Command Room. _____ / _____
- d) Check out the operability of the computer terminal. _____ / _____
- e) Check out the operability of the meteorological data CRT. _____ / _____
- f) Request help from the Computer Section if systems are not working. _____ / _____
- g) Assign additional qualified help to aid in the checking of results and the relogging of information. _____ / _____
- h) Perform dose calculations using the computer and nomograms (Procedure 2.50.10). _____ / _____

INITIAL/TIME

i) Inform the Radiological Evaluation Assistant of results.

_____/____

3. Assign a Health Physics Specialist or other qualified person to direct off-site sample condition. His functions will include the following:

Radiological Sample Coordinator

_____ name

_____/____

a) Select qualified personnel for off-site monitoring teams.

_____/____

b) Form three two man off-site monitoring teams.

Team #1 _____

_____/____

Team #2 _____

_____/____

Team #3 _____

_____/____

NOTE: Assure that each team knows its team number.

c) Provide assistance for teams when they check out their equipment.

_____/____

d) Dispatch off-site monitoring teams to sampling locations as directed by the Radiological Evaluation Assistant.

_____/____

e) Review and evaluate the incoming reports from the off-site monitoring teams.

_____/____

f) Assign priorities for analysis of incoming samples. See Procedure 2.50.10 "Evaluation of Radiological Data."

_____/____

g) Assure that all analytical results are given to the Radiological Evaluation Assistant.

_____/____

h) Coordinate the set up and operation of the YNSD Environmental Lab. Inform the Radiological Evaluation Assistant if the radiation levels are too high for operation at the E.O.F.

_____/____

4. Assign a Health Physics Specialist or other qualified person to direct the on-site radiological monitoring. His functions will include the following:

On-Site Data Evaluator

_____ name

_____/____

INITIAL/TIME

- a) Assure that plant and other habitability assessments are being made and evaluated. _____/_____
 - b) Direct the set up and functioning of the radiological access and control measures at the E.O.F. _____/_____
 - c) Evaluate personnel contamination problems. _____/_____
 - d) Coordinate the set up and operation of the Yankee Nuclear Service Division T.L.D. Lab. Inform the Radiological Evaluation Assistant if the radiation levels are too high for operation at the E.O.F. _____/_____
 - e) Direct personnel and equipment decontamination efforts of the E.O.F. _____/_____
 - f) Assure that personnel exposure records are being updated at the E.O.F. and the information is being transferred to the H.P. Supervisor at the O.S.C. _____/_____
 - g) Gather, record, and report on-site dose measurements to the Radiological Evaluation Assistant. _____/_____
5. If conditions warrant such action, determine the affected area downwind, and confer with the Emergency Coordinator as to which sample locations the off-site monitoring teams should be dispatched. _____/_____
- R 6. Obtain the latest weather forecast to prepare for any predicted changes in meteorological information. Call Wayne Manar weather Associates. See Procedure 2.50.17, "Emergency Notification," page 16, for the phone number. _____/_____
7. Direct the Sample Coordinator to dispatch his teams to the appropriate sample locations. _____/_____
8. Utilizing the information provided by the Radiological Data Evaluator, the information on the projected length of time of the releases, the meteorological information, and the information coming in from off-site, evaluate the projected dose commitment to the effected areas. _____/_____
9. Inform the Emergency Coordinator of all dose projections, and advise him of any required protective actions. _____/_____
10. Review and evaluate in plant personnel exposures with the On Site Dose Evaluator. Assure that exposure records are being updated. _____/_____
11. Review personnel needs with the Manpower and Planning Assistant. _____/_____
12. Assure that the YNSD Environmental and T.L.D. Lab functions are being properly coordinated and utilized. _____/_____

- R 13. If it is reported that radiation levels are too high for operation of one or both of the mobile labs, notify the C.M.P. Newcastle District Office that the labs will be going there. See Procedure 2.50.17, "Emergency Notification," page 16, for the phone number and notification details. _____/____
- 14. Arrange for the collection of the off-site or samples and T.L.D.'s by the Environmental Personnel at the Bailey House. Refer to Procedure 2.50.17 "Emergency of Notification," page 16, for phone numbers of personnel for weekend and backshift notification. _____/____
- 15. Provide constant updates of all radiological conditions to the Emergency Coordinator. _____/____
- 16. Assure that all samples are being prioritized for analytical and evaluation. _____/____
- 17. Assure that all samples results are being properly recorded and that completed samples are being properly stored. _____/____
- 18. Assure that all rad waste is being properly stored. _____/____
- 19. When de-escalating from a General Emergency to lower category emergency:
 - a) Review off-site monitoring team locations. Consider the downward location of the plume after the release has stopped. _____/____
 - b) Review the necessity of continuing all functions. _____/____
 - c) Review personnel requirements. _____/____
 - d) Review personnel dose accumulation. _____/____
 - e) Review environmental data and consider necessity for additional sample collection. _____/____
 - f) Review radiological status of all centers. _____/____
 - g) Review status of Yankee Mobile Labs. _____/____
 - h) Review on-site radiological data with employees on recovery actions. _____/____
 - i) Assure that any equipment, records, or logs that are returned to the E.O.F. are being properly accounted for and stored. _____/____

APPENDIX V-2

SITE AREA EMERGENCY - COMMUNICATIONS ASSISTANT

- R This Appendix applies when the initial emergency classification is a Site Area Emergency or when we are escalating from an Unusual Event to a Site Area Emergency.
- R When we are escalating to a Site Area from an Alert or de-escalating to a Site Area from a General Emergency the following actions will have been initiated. Review them to assure that all necessary functions are being maintained.

REQUIRED ACTIONS

INITIAL/ TIME

- 1. Check that phone and page system communication channels are available to:
 - a. Technical Support Center
 - b. Control Room
 - c. Operations Support Center
 - d. Security
- 2. Establish radio communications with the Control Room
- R 3. Assign a qualified operator to the emergency radio in the coordination center.
- R 4. Assure that the ten phone extensions and the four outside phone lines are properly hooked up and located. (The phones are located in the Emergency Supply Cabinet in the EOF Command Room.)
- 5. Use Message Forms to record communications.
- 6. Record the parties involved, date and time of each incoming or outgoing message by telephone, plant page or radio on a Message Form.

_____ / _____
_____ / _____
_____ / _____
_____ / _____
_____ / _____
_____ / _____
_____ / _____
_____ / _____

NOTE: On incoming calls, forward copies 1 and 3 to the Emergency Coordinator or his appropriate assistant.

Retain copy 2 (yellow) as a "tickler" for those messages requiring a reply.

When copy 1 is returned for dispatching a reply, discard copy 2 and note date and time the reply message was dispatched.

Retain completed copy 1 as a log record of all communications.

INITIAL/TIME

- 7. Establish radio communications with all on-site and off-site teams prior to their departure from the EOF, if practicable. _____ / _____
- 8. If plant communications systems are inadequate to handle the flow of incoming calls, notify the Emergency Coordinator and recommend alternative measures. _____ / _____
- R 9. When de-escalating from a Site Area to an Alert maintain all communication functions. _____ / _____
- R 10. When de-escalating from a Site Area to an Unusual Event or non-emergency status, maintain radio communications until the Emergency Coordinator orders termination of radio contacts. _____ / _____

FINAL CONDITIONS

- 1. Collect all message forms, tabulate them in sequential order and provide this documentation to the Emergency Coordinator. _____ / _____

APPENDIX V-3

SITE AREA EMERGENCY - MANPOWER AND PLANNING ASSISTANT

- R This Appendix applies when the initial emergency classification is a Site Area Emergency and when we are escalating to a Site Area from an Unusual Event.
- R When we are escalating to a Site Area from an Alert or de-escalating to a Site Area from a General Emergency, the following actions will have been initiated. Review them to assure that all necessary functions are being maintained.

INITIAL/ TIME

- 1. Review manpower requests and establish shift relief schedules after reviewing the Emergency Assignment list and coordinate such activity with the Emergency Coordinator. _____/____
- 2. Assure that sufficient personnel to fulfill all emergency functions have been mobilized to maintain continuous emergency preparedness. _____/____
- R 3. An up to date "Emergency Plan Roster" is kept in the Emergency Supply Cabinet in the EOF Command Room. This roster contains the names, primary duty, phone number and log in-log out columns for all plant personnel. A copy of the roster is also kept at the phone switchboard. _____/____
- 4. Maintain an updated roster of emergency personnel on-site. _____/____
- 5. Assure that incoming assistance personnel are properly accounted for, provided with dosimetry and assigned. _____/____
- R 6. Maintain the Emergency Organization Chart, located in the command room, in an up to date manner. The chart is stored in the Emergency Supply Cabinet in the command room. _____/____
- R 7. When de-escalating from a Site Area Emergency to a lower classification emergency check with the Emergency Coordinator, Technical Support Center Coordinator and the Operations Support Coordinator to determine which personnel can be released from duty. _____/____

APPENDIX V-4

SITE AREA EMERGENCY - COORDINATOR'S ASSISTANT

- R This Appendix applies when the initial emergency classification is a Site Area Emergency and when we are escalating to a Site Area Emergency from an Unusual Event.
- R When escalating from an Alert or de-escalating from a General Emergency the following function will have been initiated. Review them to assure that all necessary functions are being maintained.
1. Function as an aide to the Emergency Coordinator.
 2. Assist the Emergency Coordinator in directing the activities of the incoming support personnel.
 3. Provide periodic briefings to emergency personnel at the EOF.
 4. Direct personnel accountability at the EOF.
 5. Document recommendations made to off-site authorities.

APPENDIX VI

RADIOLOGICAL HABITABILITY ASSESSMENT

- R This Appendix applies when the initial emergency classification is a Site Area Emergency and when we are escalating to a Site Area Emergency from an Unusual Event.
- R When escalating to a Site Area Emergency from an Alert or de-escalating to a Site Area Emergency from a General Emergency, habitability checks will have been completed. Additional habitability checks should be made at the request of the Emergency Coordinator, the Radiological Evaluation Assistant or the Center Coordinators.

INITIAL/ TIME

- 1. Obtain a copy of Proc. 2.50.14, Emergency Radiation Exposure Control. _____/_____
- 2. Obtain a RM-14, a PIC-6A, and a low volume charcoal air sample. Perform the necessary functional checks on the instrumentation. _____/_____
- 3. Monitor conditions in the area(s) assigned:

Technical Support Center
 Operational Support Center
 Emergency Operations Facility
 Other areas as requested by the Plant Shift Superintendent, Radiological Control Supervisor or his alternate.

R NOTE: Check pocket dosimeter readings of personnel in each center periodically.

- 4. Place a high range pocket dosimeter in a representative location at each center. _____/_____
- 5. Using Table II in Procedure 2.50.14, assess personnel actions with respect to radiological conditions encountered. _____/_____
- 6. Report findings and recommendations and submit to the appropriate center coordinator. _____/_____

NOTE: Additional information, such as area surveys, should be recorded on the reverse side of form MY-HP-119-81.

NOTE: Start the Continuous Air Monitor located in the Technical Support Center (Computer Room). Use Procedure 9.209 for operating instructions.

EMERGENCY CONDITIONS RADIOLOGICAL ASSESSMENT FORM

Date _____

Time _____

Location of Sampling _____

DATA

Maximum Dose Rate (W.B.) _____

Average Dose Rate (W.B.) _____

Air Sample Results _____

Thyroid Dose Rate _____ (form air sample data
and App. B Proc. 2.50.10
Evaluation of Radiological
Data)

Recommended Action (From sampling information and specifications in Table 1,
Proc. 2.50.14, Emergency Radiation Exposure Control)

Comments

NOTE: Additional information, such as area surveys, should be recorded on
the back of this form.

_____/_____
Surveyor Date

Dept. Head 101
Plt. Mgr. J. G. E. W.
PORC J. G. E. W.

Proc. No. 2.50.4
Class. A
Rev. No. 3
Issue Date 7-16-82
Review Date 7-16-84

2.50.4 GENERAL EMERGENCY

DISCUSSION

A General Emergency is declared when substantial core degradation or melting has occurred, with a potential for loss of containmnet integrity. The events included in a General Emergency category represent actual or potential substantial off-site radioactivity releases requiring immediate implementation of off-site protective actions. Assessment of radiological parameters will determine the type of protective measures necessary.

The decision to make an immediate initial declaration rests with the Emergency Coordinator. Prompt notification is made to the appropriate off-site authorities to assure that sufficient emergency personnel are mobilized and respond to the event in accordance with their respective emergency plan arrangements. Public information concerning the event will be provided via appropriate mechanisms. The public will be alerted by the Public Emergency Alert System under this emergency. The State will activate this system, unless plant conditions immediately indicate a General Emergency condition. Under this circumstance the Plant Shift Superintendent will authorize activation of this system from the Control Room.

Other nuclear industry organizations will be alerted and requested to render assistance as appropriate. Federal agency response will be implemented in accordance with the Federal Master Emergency Plan.

All emergency centers are activated following the declaration of a General Emergency. All personnel without emergency assignments are evacuated from the plant Protected Area. The Emergency Operations Facility (EOF) once activated, will provide a centralized meeting location for representatives from all responding emergency organizations.

The following appendices are attached and are to be used as check-off sheets by individuals responsible for implementation of this procedure at the various identified center locations:

	Appendix I	Plant Shift Superintendent (Initial Declaration)	Pg. 6
R	Appendix IA	Plant Shift Superintendent (Escalation to General Emergency)	Pg.10
	Appendix II	Plant Management	Pg.15
	Appendix III	Technical Support Center Coordinator	Pg.17
	Appendix IV	Operations Support Center Coordinator	Pg.19
	Appendix V	Emergency Coordinator (Initial Declaration)	Pg.21
R	Appendix VA	Emergency Coordinator (Escalation to General Emergency)	Pg.26
	Appendix V-1	Radiological Evaluation Assistant	Pg.32
	Appendix V-2	Communications Assistant	Pg.36
	Appendix V-3	Manpower and Planning Assistant	Pg.38
	Appendix V-4	Coordinators Assistant	Pg.39
	Appendix VI	Radiological Habitability Assessment	Pg.40

R NOTE: We may get to a General Emergency in two ways.

1. Our initial declaration may be a General Emergency.
2. We may escalate to a General Emergency from a lower category emergency.

The above appendices will address each of these cases.

2.0 OBJECTIVE

To outline the actions required of plant personnel, visitors, contractors, and other affected personnel in the event of a General Emergency.

3.0 Prerequisite(s)

A General Emergency has been declared per procedure 2.50.0, "Declaration and Categorization of Emergency Conditions."

4.0 PROCEDURE

- R 1. Having recognized the emergency condition and its classification as a General Emergency according to Procedure 2.50.0, "Declaration and Categorization of Emergency Condition", the Plant Shift Superintendent will follow the actions specified in Appendix I, or Appendix IA.
2. After being notified of the General Emergency, the Plant Manager or his designated alternate will carry out the actions specified in Appendix II.
3. The Technical Support Center Coordinator will respond and perform the actions specified in Appendix III.
4. The Operations Support Center Coordinator will respond and perform those actions specified in Appendix IV.
- R 5. The Emergency Coordinator/On-Call Supervisor will respond and perform those actions specified in Appendix V, or VA.
6. The Emergency Operations Facility (EOF) will be activated and those personnel with EOF duties will respond and perform those actions specified in Appendices V-1 thru V-4.

FINAL CONDITIONS

1. When the General Emergency Condition has been brought under control and plant conditions have stabilized to the satisfaction of the Plant Manager, the Plant Shift Superintendent and the Emergency Coordinator, and such stabilization does not require de-escalation to a lower emergency classification, then the Emergency Coordinator may in accordance with Procedure 2.50.0, "Declaration and Categorization of Emergency Condition," step 7.4, declare the emergency condition terminated.

- 2. Under the conditions stated in step 1, the Emergency Coordinator will instruct the Plant Shift Superintendent to announce on the FEMCO system that the General Emergency Condition has ended.
- 3. The Emergency Coordinator will close out the event by issuing verbal summaries to appropriate off-site authorities and agencies in accordance with Procedure 2.50.17, "Emergency Notification".

OR

It may be deemed necessary to de-escalate the emergency classification. Notification of this transition would be issued by the Emergency Coordinator in accordance with Procedure 2.50.17, "Emergency Notification".

R NOTE: The Emergency Coordinator should ensure that NRC, MBCEP, CMP, and YAEC have been notified in step 3 above.

NOTE: Corporate support personnel will be required to notify any industry-support summoned during the emergency (i.e., INPO, AIF, NSSS or A/E vendors).

- 4. Public information statements will be prepared and released by Maine Yankee Corporate office personnel at the Central Maine Power, Augusta, or, if conditions warrant action, at an appropriate center location.
- 5. If conditions warrant termination of the emergency, the plant emergency response staff will be notified that a recovery phase is in effect under the direction of the Recovery Manager.

R 6. Personnel will report to the emergency centers as directed.

a. Weekends or backshifts during operations.

R 1. Onsite operations personnel report to the Control Room or as directed by the Plant Shift Superintendent. All other personnel on site report as for normal working hours or as directed by the Plant Shift Superintendent.

2. Personnel reporting to the site will check in at the Emergency Operations Facility.

b. Normal working hours:

<u>Operations</u>	<u>Initially Report To</u>	<u>Assignments</u>
Dept. Head	Cont. Room	T.S.C.
Asst. Dept. Head	T.S.C.	
Shift P.S.S.	Cont. Room	
Shift Operators	Cont. Room	
Spare P.S.S.	O.S.C.	
Spare Operators	O.S.C.	

<u>Maintenance</u>	<u>Initially Report To</u>	<u>Assingments</u>
Dept. Head	T.S.C.	
Section Head	E.O.F.	O.S.C. as needed
All Others	E.O.F.	O.S.C. as needed
<u>Health Physics</u>		
Sect. Head	E.O.F.	
Asst. Sect. Head	O.S.C.	
Foreman	E.O.F.	
Specialists	E.O.F.	T.S.C + O.S.C. as needed
Technicians	O.S.C.	E.O.F. as needed
Testers	O.S.C.	E.O.F. as needed
Aides	E.O.F.	Dosimetry & Records Assistance
<u>Chemistry</u>		
Sect. Head	T.S.C.	
Supervisor	O.S.C.	O.S.C. as needed
Technicians	O.S.C.	O.S.C. as needed
<u>I & C</u>		
Sect. Head	T.S.C.	
Foreman	E.O.F.	O.S.C. as needed
Technicians + Testers	E.O.F.	O.S.C. as needed
<u>Plant Eng.</u>		
Lead Eng.	T.S.C.	
Eng. and Aides	E.O.F.	T.S.C. as needed
<u>QA</u>		
All Personnel	E.O.F.	
<u>Nuclear Safety</u>		
All Personnel	T.S.C.	E.O.F. as needed
<u>Reactor Eng.</u>		
Sect. Head	T.S.C.	
Engs.	E.O.F.	T.S.C. as needed
<u>Computer Group</u>		
Sect. Head	Comp. Room	
Sr. Analyst	Comp. Room	
Analysts	E.O.F.	T.S.C. as needed

R

<u>Training</u>	<u>Initially Report To</u>	<u>Assingments</u>
All Personnel	E.O.F.	
<u>Plant Services</u>		
All Personnel	E.O.F.	
<u>Stores</u>		
All Personnel	E.O.F.	
<u>Administrative</u>		
All Personnel	E.O.F.	

APPENDIX I

GENERAL EMERGENCY - PLANT SHIFT SUPERINTENDENT

R When the initial emergency declaration is a General Emergency.

REQUIRED ACTIONS

INITIAL/TIME

- 1. Instruct shift personnel to initiate applicable portions of Procedure 2.50.17, "Emergency Notification". _____/____
- 2. Act as the Emergency Coordinator until relieved. _____/____
- 3. Instruct control room personnel to sound a ten second blast of the evacuation alarm and make the following announcement on the FEMCO System.
 - A. "General Emergency, General Emergency, General Emergency".
 - B. "(Describe condition and affected area)".
 - C. "Plant staff with emergency duties report to your assigned emergency center and be accounted for by the center supervisor. All other plant staff, visitors and contractors assemble at the Information Center and await further instruction." _____/____

NOTE: Repeat the announcement.

- 4. Request the Shift Technical Advisor to report to the Control Room and instruct him to:
 - A. Notify the NRC on the Emergency Notification System (red phone). Maintain an open communications channel on this line. This channel will be closed only when allowed to do so by the NRC. _____/____
 - B. Notify Maine Yankee Nuclear Support Division. _____/____
 - R C. Notify Yankee Nuclear Support Division. _____/____
 - D. Review the classification and determine required assistance. _____/____
 - E. Advise the Plant Shift Superintendent on response measures. _____/____
- 5. Contact the On-Call Supervisor, inform him of current plant status and request assistance as required. _____/____

NOTE: Steps 6 and 7 must be performed by the same person.

INITIAL/TIME

- 6. Notify the Maine State Police using the hot line/dedicated phone line in the control room.

If contact cannot be made by this system, notify using the State Police Radio in the control room.

If neither phone nor State Police Radio contact can be made, notify the CMP dispatcher to notify the State Police.

Using one of the above communication systems, provide either Message A or B as indicated below:

_____/____

R Message A: Use when it is known that there are no major release paths

- . This is (Name of Caller) from Maine Yankee Atomic Power Station.
- . We have a General Emergency.
- . Present Plant conditions could represent a public health hazard in the immediate area around Maine Yankee.
- . The wind is blowing from the (provide current wind speed and direction).
- . Our recommendation for the public is to seek shelter and remain indoors until further advised.
- . I expect a confirmation call.

Repeat the entire message indicated above.

_____/____

R Message B: Use when it is known that we have a major release ongoing or one is about to occur

- . This is (Name of Caller) from Maine Yankee Atomic Power Station.
- . We have a General Emergency.
- . Present Plant conditions could represent a public health hazard in the immediate area around Maine Yankee.
- . The wind is blowing from (provide current wind speed and direction).
- . Conditions warrant immediate activation of the Public Emergency Alert System.
- . We intend to activate this system unless instructed not to do so within 15 minutes..

- R . Our recommendation for the public is to seek shelter and remain indoors until further advised. Recommendations for possible evacuation of persons living within one mile of the plant and downward of the plant are being evaluated.
- . I expect a confirmation call.

Repeat the entire message indicated above.

NOTE: This action must be completed within 15 minutes of the declaration of the emergency.

- | | <u>INITIAL/TIME</u> |
|--|---------------------|
| 7. Provide confirmation for the State Police. | _____/____ |
| NOTE: State Police will call back and ask to speak to the individual who made the call in step 6. | |
| 8. If conditions warrant the use of Message B and the State has not advised against the activation of the Public Emergency Alert System, instruct the CAS operator to activate the PEAS Button | |
| 9. If conditions warrant the use of Message B and the State advises against the activation of PEAS, record this in the Plant Shift Superintendent's log. | _____/____ |

SUBSEQUENT ACTIONS

- | | |
|---|------------|
| R 1. Estimate the off-site dose using the radiation monitors and the computer or the nomograms in the Control Room. Refer to Procedure 2.50.10 "Evaluation of Radiological Data". | _____/____ |
| 2. Be prepared to provide plant status information via the hot line to off-site authorities if requested. | _____/____ |
| 3. Notify the CMP Dispatcher, who in turn will notify the Maine Yankee Corporate Management and the Public Affairs and Information Service. | _____/____ |
| 4. When the TSC establishes contact with the Control Room request any required assistance in handling communications. | _____/____ |
| 5. If the event produces abnormal in-plant radiological conditions, direct the Shift Chemistry and Health Physics Technician to evaluate the condition and augment this capability with the manpower provided by the Emergency Coordinator when applicable. | _____/____ |
| 6. Account for duty shift personnel. Give the names of personnel accounted for to the Technical Support Center. | _____/____ |

7. Request assistance of outside agencies (fire, law enforcement, (If Applicable) or medical rescue personnel) as needed to deal with the event: (Refer to Procedure 2.50.17, "Emergency Notification")

INITIAL/TIME

A. Fire _____/_____

B. Medical _____/_____

C. Law enforcement (in conjunction with the Security Captain) _____/_____

8. Together with the Emergency Coordinator and the Shift Technical Advisor, re-evaluate the emergency classification to see if conditions warrant, de-escalation of the classification. _____/_____

R 9. If after discussion with Plant Management, the Shift Technical Advisor, Technical Support Center Coordinator, and the Emergency Coordinator, the decision to de-escalate is made, assure the following takes place:

R a) Notify plant personnel of de-escalation to Site Area, Alert, Unusual Event, or a Non-Emergency Status, whichever applies _____/_____

R b) Notify the CMP dispatcher of the de-escalation. _____/_____

R c) Review the applicable procedure to see if all necessary functions are being maintained. _____/_____

10. If shift turnover is required, brief incoming operations personnel on accident proceedings prior to relinquishing control. _____/_____

R 11. Summarize all actions and resultant conditions in the Control Room Log either when a shift has been completed or when the emergency has been terminated. _____/_____

R

APPENDIX IA

PLANT SHIFT SUPERINTENDENT ESCALATION TO A GENERAL EMERGENCY
FROM A UNUSUAL EVENT, ALERT, OR SITE AREA EMERGENCY

R The plant has been in either an Unusual Event, Alert, or Site Area condition for some period of time. The initial conditions will vary depending on which level emergency we are escalating from.

If escalating from an Unusual Event:

- 1. The On-Call Supervisor may be on-site or he may be on standby at a phone.
- 2. None of the Emergency Centers are activated.
- R 3. During normal working hours, plant staff are all on-site only visitors and contractors have been evacuated.
- 4. YNSD and ANI have not been notified.

R If escalating from an Alert, or Site Area:

- 1. The On-Call Supervisor is on-site and has assumed his Emergency Coordinator duties. All notifications and off-site phone contacts will be made from the E.O.F.
- 2. All Emergency Centers are activated.
- 3. Plant staff with no emergency duties have evacuated to the Information Center.
- 4. All required agencies and organizations have been made aware that the plant was in an Alert or Site Area Emergency status.

REQUIRED ACTIONS:

INITIAL/TIME

- 1. Contact the On Call Supervisor/Emergency Coordinator. Inform him of the current plant status and request him to initiate applicable portions of Procedure 2.50.17 "Emergency Notification".
- 2. If the On-Call Supervisor or other trained Emergency Coordinator is not on-site continue to act as the Emergency Coordinator.
- 3. Instruct control room personnel to sound a ten second blast of the evacuation alarm and make the following announcement on the FEMCO system:
 - R a. "General Emergency, General Emergency, General Emergency".

_____/_____
 _____/_____
 _____/_____
 _____/_____

R

INITIAL/TIME

- b. "(Describe condition and effected area)".
- c. "Plant staff with emergency duties report to your assigned emergency center and be accounted for by the center coordinator. All other plant staff, visitors, and contractors assemble at the Information Center and await further instructions".

NOTE: Repeat the announcement.

R *** If the On-Call Supervisor/Emergency Coordinator is off-site, skip steps 4 & 5.

R 4. If the On-Call Supervisor/Emergency Coordinator is on-site have the STA continue to perform his advisory duties.

5. Check with the Emergency Coordinator to assure that the following notifications of the escalation have been made:

a) NRC on the Emergency Notification System (Red Phone). Maintain the open communications channel on this line. This channel will be closed only when allowed to do so by the NRC.

R b) Maine State Police and C.E.P. (State Hot Line Phone).

R c) Maine Yankee Nuclear Support Division.

R d) Yankee Nuclear Support Division.

*** If the On-Call Supervisor/Emergency Coordinator is on-site, skip steps 6 & 7.

R NOTE: If the escalation is from an Unusual Event and is during a back shift or a weekend the On-Call Supervisor/Emergency Coordinator may not be on-site. In that event have the STA make the notification listed in Step 5 above.

6. If the On-Call Supervisor/Emergency Coordinator is not yet on-site notify the Maine State Police and CEP using the State hot line phone in the Control Room.

If contact cannot be made by this system, notify using the State Police Radio in the Control Room.

If neither phone nor State Police Radio contact can be made, notify the CMP dispatcher to notify the State Police. Using one of the above communication systems, provide either Message A or B as indicated below:

R Message A: Use when it is known that there are no major release paths

. This is (name of caller) from Maine Yankee Atomic Power Station.

R . We have escalated to a General Emergency.

R . Present plant conditions could represent a public health hazard in the immediate area around Maine Yankee.

R . The wind is blowing from the (provide current wind speed and direction)

R . Our recommendation for the public is to seek shelter and remain indoors until further advised.

. I expect a confirmation call.

Repeat the entire message indicated above.

or

R Message B: Use when it is known that we have a major release ongoing or one is about to occur

. This is (name of caller) from Maine Yankee Atomic Power Station.

R . We have escalated to a General Emergency.

R . Present Plant conditions could represent a public health hazard in the immediate area at Maine Yankee.

. The wind is blowing from (provide current wind speed and direction).

R . Conditions warrant immediate activation of the Public Emergency Alert System.

R . We intend to activate this system unless instructed not to do so within 15 minutes.

R . Our recommendation for the public is to seek shelter and remain indoors until further advised. Recommendations for possible evacuation of persons within one mile of the plant and downward of the plant are being evaluated.

. I expect a confirmation call.

Repeat the entire message above.

NOTE: This action must be completed within 15 minutes of the decision to escalate the emergency classification.

7. State Police have confirmed message.

INITIAL/TIME
/

- 10. If conditions warrant de-escalation assure the following takes place:
 - a. Notify plant personnel of de-escalation to Site Area, Alert, Unusual Event, or a Non-Emergency Status, whichever applies. _____/____
 - b. Notify the OMP dispatcher of the de-escalation. _____/____
 - c. Review the applicable procedure to see if all the necessary functions are being maintained. _____/____
- 11. If shift turnover is required, brief incoming Operations personnel on accident proceedings prior to relinquishing control. _____/____
- 12. Summarize all actions and resultant in the Operations Log either when a shift has been completed or when the emergency has terminated. _____/____

APPENDIX II

GENERAL - PLANT MANAGER

R This Appendix applies in all cases, initial declaration of a General Emergency or in an escalation to a General Emergency from a lower category emergency.

REQUIRED ACTIONS

- 1. Assess the situation based on information supplied by the Plant Shift Superintendent or the On-Call Supervisor and report to the Plant.

NOTE: The Plant Manager is not assigned to any particular center, as he is responsible for overall direction of emergency response.

NOTE: In the absence of the Plant Manager the following individuals, in the order listed, are designated as his alternate:

- R Assistant Plant Manager (one of the Department Head is permanently designated)
- Operations Department Head
- Technical Support Department Head
- On Duty Plant Shift Superintendent

SUBSEQUENT ACTIONS

- 1. Assure continuity of resources (technical, administrative, and material) on a 24 hour basis as required.
- 2. Act as liaison between Plant and corporate headquarters for the generation of public information releases.
- 3. Inform M.Y. Corporate Management when additional resources are required to augment Plant resources. (Combustion Engineering, Stone & Webster and other contracted services)
- 4. Inform M.Y. Nuclear Support Division when Yankee Nuclear Service Division support other than the Site Response group is required.
- 5. Periodically review emergency classification with Emergency Coordinator and Shift Technical Advisor and adjust if conditions warrant such action.
- 6. Direct the emergency organization until such time that the emergency condition has been terminated.

NOTE: Notify Plant staff, corporate office and other emergency resources if the emergency condition requires a transition to a recovery phase.

- 7. Direct Plant action during the recovery phase, when applicable.

8. Close out the event by summarizing details and actions with appropriate off-site authorities:
 - A. Nuclear Regulatory Commission.
 - B. State of Maine.
 - C. Federal Emergency Management Agency.

APPENDIX III

GENERAL - TECHNICAL SUPPORT CENTER COORDINATOR

R This Appendix applies when the initial emergency classification is a General Emergency and when we are escalating to a General Emergency from an Unusual Event.

R When escalating to a General Emergency from an Alert or a Site Area Emergency the following actions will have been initiated. Review them to assure that all necessary functions are being maintained.

REQUIRED ACTIONS

INITIAL/TIME

1. Establish voice communications with the Control Room, using channel 4 of the Femco system and document the reported event history and current Plant status. _____/_____

2. Assure that representatives from the following technical disciplines have assembled at the TSC: (Drafting office - if radiological conditions allow)

- a. Operations
- b. Reactor and Computer
- c. Instrumentation and Control
- d. Chemistry
- e. Computer
- f. Plant Engineering
- g. Radiological Controls (Specialist)
- n. Nuclear Safety

_____/_____
 _____/_____
 _____/_____
 _____/_____
 _____/_____
 _____/_____
 _____/_____
 _____/_____

R
R
R

NOTE: After a period of travel time to the Plant, the above staff will be augmented with Yankee Nuclear Services Division staff.

3. Review and aid in coordinating in-plant activities with the Plant Shift Superintendent, Shift Technical Advisor and/or the Operations Dept. Head (if on-site) relative to bringing the plant to a safe condition. _____/_____

4. Determine center habitability in accordance with Appendix VI. Request assistance from the EOF if needed. _____/_____

R NOTE: The following accountability steps should only be performed after the initial set up of the Tech. Support Center.

R 5. Conduct personnel accountability in the TSC and Control Room. Report the names of all personnel accounted for to the Security Captain at the Gatehouse. Do not wait to be contacted by Security. _____/_____

- | | | <u>INITIAL/TIME</u> |
|---|---|---------------------|
| | 6. If Security reports that there are unaccounted personnel, call the personnel over the Femco system. | _____/____ |
| | 7. If missing personnel cannot be reached, notify the Emergency Coordinator that a search and rescue team is needed. | _____/____ |
| | 8. Periodically access plant status. | _____/____ |
| R | 9. Utilizing the information acquired in Step 8, inform Plant and Corporate Management of the details of any significant changes in the plant status. | _____/____ |
| | 10. When contacted by the Yankee Engineering Support Center staff, provide a plant status report and request any technical assistance. | _____/____ |
| R | 11. Instruct security to prepare for the arrival of Nuclear Service Division personnel (YAEC), NRC representatives, and state Civil Defense and/or State Division of Health Engineering representatives at the EOF. | _____/____ |
| R | 12. Notify the Emergency Coordinator, using the phone or channel 2 of the Femco system, when in-plant operational changes could change in-plant and/or off-site radiological conditions. | _____/____ |
| | 13. Assume the responsibility for maintaining open communications with the NRC (red phone) if the Plant Shift Superintendent requires such action. | _____/____ |
| R | 14. Have personnel who report to the Technical Support Center from other locations check their dosimeter reading. | _____/____ |
| R | 15. Monitor the dose levels in the Center at regular intervals. | _____/____ |
| R | 16. Report any increase in area dose levels or any high personnel exposure to the Radiological Evaluation Assistant at the EOF. | _____/____ |
| | 17. Remain active and manned until terminated by Plant Management. | |
| R | 18. When the General Emergency is de-escalated to a lower category emergency, go to the appropriate procedure and review the steps in Appendix III "Technical Support Center Coordinator". | _____/____ |
| R | 19. Check with the Emergency Coordinator (after de-escalation) to see if any recovery or post accident actions are to be initiated. | _____/____ |

APPENDIX IV

GENERAL EMERGENCY - OPERATIONS SUPPORT CENTER COORDINATOR

- R This Appendix applies when the initial emergency classification is a General Emergency, and when we escalate to a General Emergency from an Unusual Event.
- R When escalating to a General Emergency from an Alert or Site Area Emergency all the following steps will have been initiated. Review these steps to assure that the center is performing all necessary functions.

- | | | <u>INITIAL/TIME</u> |
|---|---|---------------------|
| R | 1. The first Operational Support Center (OSC) member to arrive will establish communications with the Technical Support Center (TSC), using either the in-plant phone extension or the page/intercom set. | _____/____ |
| | 2. Establish communications with the EOF. | _____/____ |
| | 3. Center Coordinator (Senior supervisor present) assure that all Operations Department personnel not assigned to the operating shift report to the OSC. | _____/____ |
| | 4. Assure that all Chemistry personnel and Health Physics personnel report to the OSC. | _____/____ |
| | 5. Determine the habitability of the OSC in accordance with Appendix VI. | _____/____ |
| R | 6. Conduct personnel accountability and report the names of all personnel accounted for to the Security Captain at the Emergency Operations Facility (EOF). Do not wait to be contacted by Security. | _____/____ |
| R | 7. Provide assistance in the investigation or repair of plant systems as directed by appropriate supervisor. | _____/____ |
| | 8. Provide the necessary technical manpower required to provide in-plant radiological monitoring and habitability assessment. | _____/____ |
| | 9. Provide assistance in the decontamination of affected Plant areas as necessary. | _____/____ |
| | 10. Work in conjunction with the Manpower and Planning Assistant at the EOF in preparing for operating shift turnover and relief. | _____/____ |
| R | 11. Assist the EOF in monitoring personnel and keeping the exposure within the limits indicated in Procedure 2.50.14, "Emergency Radiation Exposure Control. | _____/____ |

INITIAL/TIME

- R 12. Assure that any personnel that have been assigned to perform emergency actions in the plant are accounted for upon their return and that their accumulated dose evaluated. _____/_____
- R 13. Report any off scale or high exposure to the EOF. _____/_____
- R 14. Report the name and possible location of any personnel that you lose contact with to the EOF. _____/_____
- R 15. Monitor the dose level in the OSC at regular intervals. _____/_____
- 16. Assure that the OSC remains active and manned for the duration of the emergency. _____/_____
- R 17. When a de-escalation to a lower category emergency is announced go to the appropriate procedure and review the steps in its OSC Appendix IV. _____/_____

APPENDIX V

GENERAL EMERGENCY - ON-CALL SUPERVISOR/EMERGENCY COORDINATOR

R when the initial emergency declaration is a General Emergency.

REQUIRED ACTIONS

INITIAL/TIME

- 1. Assume the functions of Emergency Coordinator at the Emergency Operations Facility.

_____/____

NOTE: The On-Call Supervisor, when notified, will assume the position of Emergency Coordinator and continue in this position until relieved.

- 2. Notify Plant Management.

_____/____

NOTE: On back shifts and weekends the Plant Shift Superintendent will notify the On-Call Supervisor and brief him on Plant conditions.

- R 3. Augment the duty staff, during back shifts and weekends, by notifying one person from each of the following call lists Procedure 2.50.17, "Emergency Notification":

Operations Call List
 Technical Support List
 Emergency Coordination List

_____/____
_____/____
_____/____

NOTE: Assure that the person contacted has a call list available so that he may continue notifications.

- 4. During normal working hours contact the Operations Support Center for Health Physics and Chemistry personnel.

_____/____

- 5. Report to the Emergency Operations Facility (EOF).

_____/____

NOTE: This will be the Information Center unless otherwise notified.

- R 6. Check with the Control Room to see if all notifications (NRC, State, and MY Corporate) have been made. If any calls have not been made instruct the Control Room that the call will be made from the EOF.

_____/____

- 7. Get updated conditions from the Plant Shift Superintendent and the Shift Technical Advisor and confirm or re-evaluate the emergency classification using Procedure 2.50.0, "Declaration and Categorization of Emergency Condition" criteria.

_____/____

- | | | <u>INITIAL/TIME</u> |
|------|--|---------------------|
| R 8. | If conditions warrant a de-escalation or termination go to Step 30. | _____/____ |
| 9. | Contact the Plant Shift Superintendent and obtain a Plant status report and the current meteorological conditions. | _____/____ |
| 10. | Direct qualified emergency personnel to conduct a center habitability determination using Appendix VI. | _____/____ |
| 11. | If it is determined that the center may become uninhabitable, initiate planning for evacuation of center and moving to the alternate center. | _____/____ |
| 12. | If it is determined that the center is uninhabitable, initiate the movement of personnel and equipment to the alternate center. Direct the Security Force to initiate their plan for the move. | _____/____ |
| 13. | Assign the following emergency duties to appropriate qualified personnel as they arrive at the EOF: | |

	<u>Name of Individual</u>
Coordinators Assistant	_____
Communications Assistant	_____
Radiological Evaluation Assistant	_____
Manpower and Planning Assistant	_____

- | | | |
|-----|--|------------|
| 14. | Check with Plant security and determine the status of personnel accountability. | _____/____ |
| 15. | Contact the Technical Support Center and inform them of the Plant personnel accountability status. | _____/____ |
| 16. | Check with the Technical Support Center to see if search and rescue personnel are needed. | _____/____ |
| 17. | Check with the Technical Support Center, the Operations Support Center and the Control Room to assure that habitability has been established. If habitability has not been established, direct Health Physics personnel to make an assessment using Appendix VI. | |
| | Technical Support Center | |
| | Habitability Established | _____/____ |
| | Survey Team Assigned | _____/____ |

INITIAL/TIME

Operations Support Center

Habitability Established
Survey Team Assigned

_____/_____
_____/_____

Control Room

Habitability Established
Survey Team Assigned

_____/_____
_____/_____

R 18. Check with Plant security to assure that site access and control measures have been taken, Procedure 2.50.9, "Security Force Radiation Emergency Plan".

_____/_____

19. Establish contact with and brief the following outside agencies that will report to the EOF:

Name

Initial/Time

NRC

_____/_____

Maine Div. of Health Eng.

_____/_____

Maine State Police

_____/_____

Maine Civil Emerg. Prep.

_____/_____

NOTE: Inform members of the above agencies of current dose rate projections, Plant conditions, field sample results and recommendations concerning emergency actions.

20. If representatives of the above agencies are not present at the EOF communications is maintained with these agencies via the hot lines to:

Contact Established

State C.E.P. EOF (Hot Line)

_____/_____

NRC (Red Phone)

_____/_____

21. The following Yankee Nuclear Service Division personnel will report to the EOF for assignments to augment Plant personnel:

Assigned To

Name

Systems Engineer

TSC

_____/_____

Safety Analysis Engineer

TSC

_____/_____

Radiological Engineer

TSC

_____/_____

Radiation Protection Engineer

EOF

_____/_____

Emergency Plan Engineer

EOF

_____/_____

Yankee Environmental Lab Staff

EOF

_____/_____

INITIAL/TIME

- 22. When contacted by Yankee Engineering Support Staff, provide a radiological status report, and request any required assistance. _____/_____
- R 23. Notify Health Physics of the arrival of any aid and assistance personnel so that they may prepare the necessary badging. _____/_____
- 24. If there are injured personnel, provide first aid treatment and prepare the patient(s) for transfer to the Bath Hospital by the local ambulance service, _____ or, if unavailable, use the Company or private station wagon. (See Emergency Procedure 2.50.8.)
- R NOTE: Contact Dr. Keating or his alternate _____
- NOTE: Provide the Bath Hospital _____ with the following information before a patient arrives at the hospital.
 - 1. Number of accident victims (and whether they are radioactively contaminated).
 - 2. Nature of medical problem of each.
 - 3. Magnitude of radiation aspect, if applicable.
 - 4. Anticipated time of arrival at the hospital.
 - 5. who will accompany patients.

Transfer the patient(s) to the ambulance or station wagon. If the patient is contaminated, assign a Health Physics representative to accompany them to the hospital to maintain radiological controls.
- 25. Check that the Manpower and Planning assistant has prepared to supplement Plant manpower as may be dictated by emergency management. _____/_____
- R 26. Check that the Manpower and Planning Assistant has scheduled personnel for shift turnover and relief. Evaluate current exposure totals as an aide in determining personnel needing relief. Refer to Procedure 2.50.14 for guidance. _____/_____
- 27. Assure that the EOF remains active and adequately manned and supplied for the duration of the event. _____/_____
- 28. Notify American Nuclear Insurers. (See Procedure 2.50.17, "Emergency Notification," page 16, for the phone number.) _____/_____
- 29. Periodically confer with the Plant Manager or his alternate, the Plant Shift Superintendent and the Technical Support Center staff concerning the emergency classification. _____/_____

INITIAL/TIME

R 30. If the General Emergency Condition has been brought under control and plant conditions have stabilized to the satisfaction of the Plant Manager or his alternate, the Plant Shift Superintendent, the Emergency Coordinator, the Technical Support Center Coordinator, the Shift Technical Advisor, and the Recovery Manager is on site then de-escalation to a lower classification emergency should be made.

_____/____

R a) If de-escalation is to a Site Area Emergency go to Appendix VB of Procedure 2.50.3 "Site Area Emergency".

_____/____

R b) If de-escalation is to an Alert go to Appendix VB of Procedure 2.50.2 "Alert".

_____/____

R c) If de-escalation is to a Unusual Event or a non-emergency status go to Procedure 2.50.1 "Unusual Event".

_____/____

d) Ensure that corporate support groups notify any requested industry groups of this close-out.

_____/____

e) Coordinate the restoration of emergency equipment to its original state.

_____/____

f) Assist the Plant Manager in coordinating a recovery phase, if applicable.

_____/____

R 31. Confer with the Recovery Manager on the necessary actions required to initiate recovery operations.

_____/____

R

APPENDIX VA

GENERAL EMERGENCY - ON CALL SUPERVISOR/EMERGENCY COORDINATOR

Escalation to a General Emergency from an Unusual Event, Alert, or Site Area Emergency.

INITIAL CONDITIONS

1. Escalation from an Unusual Event:
 - a. The On-Call Supervisor may be on-site or he may be on standby at a phone.
 - b. None of the emergency centers are activated.
 - c. During normal work days the plant staff are on-site and visitors and contractors have been evacuated to the Information Center.
 - d. The NRC, the State, and M.Y. Nuclear Service Division have been notified of the Unusual Event. Yankee Nuclear Service Division and the American Nuclear Insurers have not received any notification.

NOTE: when escalating from an Unusual Event use Appendix V on page 18 of this Procedure.

2. Escalating from an Alert or Site Area Emergency:
 - a. The On-Call Supervisor is on-site and has assumed his Emergency Coordinator's duties. All notifications and off-site phone contacts are being made from the EOF.
 - b. All emergency centers are activated.
 - c. During normal work days all the plant staff with no emergency duties have been evacuated to the Information Center.
3. All required agencies and organizations have been notified that the plant was in an Alert or Site Area Emergency.

REQUIRED ACTIONS:

INITIAL/TIME

1. The Control Room has announced the General Emergency condition over the FEMCO.

_____/____

NOTE: Check with the Control Room if you have not heard the announcement over the Information Center FEMCO.

2. Notify the NRC of the escalation over the Red Phone. Maintain the open communications channel on this lines. This channel will be closed only when allowed to do so by the NRC.

_____/____

3. Notify the State Police and Civil Emergency Preparedness using the hot line.

_____/____

R

Message A: Use if it is known that there is no major release paths INITIAL/TIME

- . This is (name of caller) from Maine Yankee Atomic Power Station.
- . We have escalated to a General Emergency.
- . Present Plant Conditions could represent a public health hazzard in the immediate area around Maine Yankee.
- . The wind is blowing from the (provide current wind direction and speed).
- . Our recommendation for the public is to seek shelter and remain indoors until further advised.
- . I expect a confirmation call.

Repeat the entire messge indicated above.

_____/____

OR

Message B: Use when it is known that we have a major release ongoing or one is about to occur.

- . This is (name of caller) from Maine Yankee Atomic Power Station.
 - . We have escalated to a General Emergency.
 - . Present plant conditions could present a public health hazzard in the immediate area around Maine Yankee.
 - . The wind is blowing from (provide current wind speed and direction).
 - . Conditions warrant immediate activation of the Public Emergency Alert System.
 - . We intend to activate this system unless instructed not to do so within 15 minutes.
- R
- . Our recommendation for the public is to seek shelter and remain indoors until further advised. Recommendations for possible evacuation of persons living within one mile and downward of the plant are being evaluated.
 - . I expect a confirmation call.

Repeat the entire message above.

NOTE: This action must be completed within 15 minutes of the decision to escalate the emergency classification.

R

INITIAL/TIME

4. State Police have confirmed call.

_____/____

NOTE: State Police will call back and ask to speak to the individual who made the call.

5. Notify Maine Yankee Nuclear Support Division of the escalation to a General Emergency.

_____/____

R 6. Notify Yankee Nuclear Services Division of the escalation to a General Emergency.

_____/____

7. Have the Manpower Coordinator check the manpower requirements of all emergency centers and call in extra personnel as required.

_____/____

8. Get updated conditions from the Plant Shift Superintendent and the Shift Technical Advisor and confirm or re-evaluate the emergency classification using Procedure 2.50.0, "Declaration and Categorization of Emergency Conditon" criteria.

_____/____

R 9. If after consultation with Plant Management, the Plant Superintendent, the Shift Technical Advisor and the Technical Support Center Coordinator it is determined that conditions warrant a de-escalation go to step 23.

_____/____

10. Maintain contact with the Control Room, Technical Support Center, and the Operations Support Center.

_____/____

11. Assure the habitability determinations are being made at all centers:

_____/____

- a. Technical Support Center
- b. Operation Support Center
- c. Control Room

_____/____

_____/____

_____/____

12. If it is determined that the EOF may become uninhabitable initiate planning for evacuation of the center and moving to the alternate center. The following actions should be taken:

_____/____

a. Notify Security of the move.

_____/____

b. Have available transporatation alerted and ready to pick up personnel and equipment.

_____/____

c. Assemble all required equipment (Emergency Kits, radio, nomograms, dosimeter racks, counting equipment, etc.) for quick transport to the alternate center.

_____/____

d. Notify any offsite teams in the field of the move.

_____/____

R

e. Dispatch several personnel to prepare to alternate EOF for use. Include a qualified Emergency Coordinator, if available.

_____/____

13. Personnel accountability has been performed. Assure that the Manpower Coordinator is being kept informed of all personnel entering and leaving the site.

_____/____

14. Check with Security to assure that site access and control measures have been taken.

_____/____

R

15. Establish contact with and brief (you may assign the Asst. Coordinator to brief) the following outside agencies that will report to the EOF.

_____/____

	<u>NAME</u>	<u>INITIAL/TIME</u>
NRC	_____	_____/____
Maine Div. of Health/Engineering	_____	_____/____
Maine State Police	_____	_____/____
Maine Civil Emerg. Prep.	_____	_____/____

NOTE: Inform member of the above agencies of current dose rate projectons, plant conditions, field sample results, and recommendations concerning emergency actions.

16. If representatives of the above agencies are not present at the EOF communications is maintained with these agencies via the dedicated phones to:

State Hot Line

_____/____

NRC Red Phone

_____/____

17. The following Yankee Nuclear Service Division personnel will report to the EOF for assignemtns to augment plant personnel:

	ASSIGNED TO	NAME
Systems Engineer	TSC	_____ / _____
Safety Analysis Engineer	TSC	_____ / _____
Radiological Engineer	TSC	_____ / _____
Radiaton Protection Engineer	EOF	_____ / _____
Emergency Plan Engineer	EOF	_____ / _____
Yankee Environmental Lab Staff	EOF	_____ / _____

18. When contacted by Yankee Engineering Support Staff, provide radiological status reports, and request any required assistance.

_____/____

19. Notify H.P. of the arrival of any aid and assistance personnel so that they may prepare the necessary badging.

_____/____

R

INITIAL/TIME

20. If there are injured personnel, provide first aid treatment and prepare the patient(s) for transfer to the Bath Hospital by the local ambulance service, or, if unavailable, use the Company or private station wagon. (See Emergency Procedure 2.50.8).

R NOTE: Contact Dr. Keating or his alternate

NOTE: Provide the Bath Hospital with the following information before a patient arrives at the hospital.

1. Number of accident victims (and whether they are radioactively contaminated).
2. Nature of medical problem of each.
3. Magnitude of radiation aspect, if applicable.
4. Anticipated time of arrival at the hospital.
5. Who will accompany patients.

Transfer the patient(s) to the ambulance or station wagon. If the patient is contaminated, assign a Health Physics representative to accompany them to the hospital to maintain radiological controls.

21. Check that the Manpower and Planning Assistant has scheduled personnel for shift turnover and relief. Evaluate current exposure totals as an aide in determining personnel needing relief. Refer to Procedure 2.50.14 for guidance.

_____/____

22. Ensure that the EOF remains active and adequately manned and supplied for the duration of the event.

_____/____

23. Notify American Nuclear Insurers of the escalation to a General Emergency. (See Procedure 2.50.17, "Emergency Notification", page 16, for the phone number).

_____/____

24. Periodically confer with the Plant Manager or his alternate, the Plant Shift Superintendent and Technical Support Center staff concerning the emergency classification.

_____/____

25. If the General Emergency condition has been brought under control and plant conditions have stabilized to the satisfaction of the Plant Manager or his alternate, the Plant Shift Superintendent, the Emergency Coordinator, the Technical Support Center, the Shift Technical Advisor, and the Recovery Manager, if on site then de-escalation to a lower classification emergency should be made.

_____/_____
/

INITIAL/TIME

R

a) If de-escalation is to a Site Area Emergency go to Appendix VB of Procedure 2.50.3 "Site Area Emergency".

_____/_____
/

b) If de-escalation is to an Alert go to Appendix VB of Procedure 2.50.2 "Alert".

_____/_____
/

c) If de-escalation is to an Unusual Event or a non-emergency condition go to Appendix III of Procedure 2.50.1 "Notification of Unusual Event".

_____/_____
/

26. Confer with the Recovery manager on the necessary actions required to initiate recovery operations.

_____/_____
/

R

APPENDIX V-1

GENERAL EMERGENCY - RADIOLOGICAL EVALUATION ASSISTANT

This Appendix applies when the initial classification is a General Emergency and when we are escalating to a General Emergency from an Unusual Event.

When we are escalating to a General Emergency from a Alert or Site Area Emergency the following actions will have been initiated. Review them to assure that all functions are being maintained.

REQUIRED ACTIONS

INITIAL/TIME

- 1. Assign a Health Physics Supervisor to direct the H.P. activities being run from the Operations Support Center.

_____ name

_____/____

- 2. Assign a Health Physics Specialist or other qualified person to direct the implementation of Procedure 2.50.10, "Evaluation of Radiological Data". His functions will include the following:

Radiological Data Evaluator

_____ name

_____/____

- a) Set up tables in designated area of the EOF Command Room.
- b) Remove the computer CRT from the reception office and hook it up at its designated location in the EOF Command Room.
- c) Remove the nomograms and maps from storage and place in their designated locations in the Command Room.
- d) Check out the operability of the computer terminal.
- e) Check out the operability of the meteorological data CRT.
- f) Request help from the Computer Section if systems are not working.
- g) Assign additional qualified help to aid in the checking of results and the relogging of information.
- h) Perform dose calculations using the computer and nomograms. (Procedure 2.50.10).

_____/____

_____/____

_____/____

_____/____

_____/____

_____/____

_____/____

_____/____

R

INITIAL/TIME

i) Inform the Radiological Evaluation Assistant of results.

_____/____

3. Assign a Health Physics Specialist or other qualified person to direct off-site sample coordination. His functions will include the following:

Radiological Sample Coordinator _____
name

_____/____

a) Select qualified personnel for off-site monitoring teams.

_____/____

b) Form three two man off-site monitoring teams.

Team #1 _____
name

_____/____

Team #2 _____
name

_____/____

Team #3 _____
name

_____/____

NOTE: Assure that each team knows its team number.

c) Provide assistance for teams when they check out their equipment.

_____/____

d) Dispatch off-site monitoring teams to sampling locations as directed by the Radiological Evaluation Assistant.

_____/____

e) Review and evaluate the incoming reports from the off-site monitoring teams.

_____/____

f) Assign priorities for analysis of incoming sample. See Procedure 2.50.10 "Evaluation of Radiological Data.

_____/____

g) Assure that all analytical results are given to the Radiological Evaluation Assistant.

_____/____

R

h) Coordinate the set up and operation of the YNSD Environmental Lab. Inform the Radiological Evaluation Assistant if the radiation levels are too high for operation at the E.O.F.

_____/____

4. Assign a Health Physics Specialist or other qualified person to direct the on site radiological monitoring. His functions will include the following:

On Site Data Evaluator _____
name

_____/____

R

INITIAL/TIME

a) Assure that plant and center habitability assessment are being made and evaluated. _____/_____

b) Direct the set up and functioning of the radiological access and control measures at the E.O.F. _____/_____

c) Evaluate personnel contamination problems. _____/_____

R

d) Coordinate the set up and operation of the Yankee Nuclear Service Division T.L.D. Lab. Inform the Radiological Evaluation Assistant if the radiation levels are too high for operation at the E.O.F. _____/_____

e) Direct personnel and equipment decontamination efforts of the E.O.F. _____/_____

f) Assure that personnel exposure records are being updated at the E.O.F. and the information is being transferred to the H.P. Supervisor at the O.S.C. _____/_____

g) Gather, record, and report on-site dose measurements to the Radiological Evaluation Assistant. _____/_____

5. If conditions warrant such action, determine the affected area downwind, and confer with the Emergency Coordinator as to which sample locations the off site monitoring teams should be dispatched. _____/_____

R

6. Obtain the latest weather forecast to prepare for any predicted changes in meteorological information. Call Wayne Mahar weather Associates. See Procedure 2.50.17, page 16, for phone number. _____/_____

7. Direct the Sample Coordinator to dispatch his teams to the appropriate sample locations. _____/_____

8. Utilizing the information provided by the Radiological Data Evaluator, the information on the projected length of time of the releases the meteorological information, and the information coming in from off site, evaluate the projected dose commitment to the effected areas. _____/_____

9. Inform the Emergency Coordinator of all dose projections, and advise him of any required protective actions. _____/_____

10. Review and evaluate in plant personnel exposures with the On-Site Dose Evaluator. Assure that exposure records are being updated. _____/_____

11. Review personnel needs with the Manpower and Planning Assistant. _____/_____

12. Assure that the YNSD Environmental and T.L.D. Lab functions are being properly coordinated and utilized. _____/_____

INITIAL/TIME

- R 13. If it is reported that radiation level are too high for operation of one or both of the mobile labs, notify the C.M.P. Newcastle District Office that the labs will be going there. See Procedure 2.50.17, "Emergency Notification," page 16, for phone number and notification details. _____/_____
- R 14. Arrange for the collection of the off-site environmental samples and T.L.D.'s by the Environmental Personnel at the Bailey House. Refer to Procedure 2.50.17 "Emergency Notification," page 16, for phone numbers of personnel for weekend and backshift notification. _____/_____
- 15. Provide constant up dates of all radiological conditions to the Emergency Coordinator. _____/_____
- 16. Assure that all samples are being prioritized for analytical and evaluation. _____/_____
- 17. Assure that all samples results are being properly recorded and that completed samples are being properly stored. _____/_____
- 18. Assure that all rad waste is being properly stored. _____/_____
- 19. when de-escalating from a General Emergency to lower category emergency:
 - a) Review off-site monitoring team locations. Consider the downward location of the plume after the release has stopped. _____/_____
 - b) Review the necessity of continuing all functions. _____/_____
 - c) Review personnel requirements. _____/_____
 - d) Review personnel dose accumulation. _____/_____
 - e) Review environmental data and consider necessity for additional sample collection. _____/_____
 - f) Review radiological status of all centers. _____/_____
 - g) Review status of Yankee Mobile Labs. _____/_____
 - h) Review on-site radiological data with employees on recovery actions. _____/_____
 - i) Assure that any equipment, records, or logs that are returned to the E.O.F. are being properly accounted for and stored. _____/_____

R

APPENDIX V-2

GENERAL EMERGENCY - COMMUNICATIONS ASSISTANT

This Appendix applies when the initial emergency classification is a General Emergency or when we are escalating from an Unusual Event to a General Emergency.

When we are escalating to a General Emergency from an Alert or a Site Area Emergency the following actions will have been initiated. Review them to assure that all necessary functions are being maintained.

REQUIRED ACTIONS

INITIAL/TIME

1. Check that phone and page system communication channels are available to:

- a) Technical Support Center
- b) Control Room
- c) Operations Support Center
- d) Security

_____/_____
 _____/_____
 _____/_____
 _____/_____

2. Establish radio communications with the Control Room.

_____/_____

3. Assign a qualified operator to the emergency radio in the coordination center.

_____/_____

4. Assure that the ten phone extensions and the four outside phone lines are properly hooked up and located. (The phones are located in the Emergency Supply Cabinet in the E.O.F. Command Room).

_____/_____

5. Use Message Forms to record communications.

_____/_____

6. Record the parties involved, date, and time of each incoming or outgoing message by telephone, plant page, or radio on a Message Form.

_____/_____

NOTE: On incoming calls, forward copies 1 and 3 to the Emergency Coordinator or his appropriate assistant.

Retain copy 2 (yellow) as a "tickler" for those messages requiring a reply.

When copy 1 is returned for dispatching a reply, discard copy 2 and note date and time the reply message was dispatched.

Retain completed copy 1 as a log record of all communications.

R

- | | <u>INITIAL/TIME</u> |
|--|---------------------|
| 7. Establish radio communications with all on-site and off-site teams prior to their departure from the E.O.F., if practicable. | _____/____ |
| 8. If plant communications systems are inadequate to handle the flow of incoming calls, notify the Emergency Coordinator and recommend alternative measures. | _____/____ |
| 9. when de-escalating from a General Emergency to a Site Area or Alert maintain all communication functions. | _____/____ |
| 10. when de-escalating from a General Emergency to an Unusual Event or non-emergency status, maintain radio communications until the Emergency Coordinator orders termination of radio contacts. | _____/____ |

FINAL CONDITION

- | | |
|--|------------|
| 1. Collect all message forms, tabulate them in sequential order and provide this documentation to the Emergency Coordinator. | _____/____ |
|--|------------|

R

APPENDIX V-3

GENERAL EMERGENCY - MANPOWER AND PLANNING ASSISTANT

This Appendix applies when the initial emergency classification is a General Emergency and when we are escalating to a General Emergency from an Unusual Event.

When we are escalating to a General Emergency from a Site Area or an Alert, the following actions will have been initiated. Review them to assure that all necessary functions are being maintained.

- | | <u>INITIAL/TIME</u> |
|---|---------------------|
| 1. Review manpower requests and establish shift relief schedules after reviewing the Emergency Assignment list and coordinate such activity with the Emergency Coordinator. | _____/____ |
| 2. Assure that sufficient personnel to fulfill emergency functions have been mobilized to maintain continuous emergency preparedness. | _____/____ |
| 3. An up to date "Emergency Plan Roster" is kept in the Emergency Supply Cabinet in the E.O.F. Command Rom. This roster contains the names, primary duty, phone number, and log in-log out columns for all plant personnel. A copy of the roster is also kept at the phone switchboard. | _____/____ |
| 4. Maintain an updated roster of emergency personnel on-site. | _____/____ |
| 5. Assure that incoming assistance personnel are properly accounted for, provide with dosimetry and assigned. | _____/____ |
| 6. Maintain the Emergency Organization Chart, located in the Command Room, in an up to date manner. The chart is stored in the Emergency Supply Cabinet in the Command Room. | _____/____ |
| 7. When de-escalating from a General Emergency to a lower classification emergency check with the Emergency Coordinator, Technical Support Center Coordinator, and the Operations Support Coordinator to determine which personnel can be released from duty. | _____/____ |

R

APPENDIX V-4

GENERAL EMERGENCY - COORDINATOR'S ASSISTANT

This Appendix applies when the initial emergency classification is a General Emergency and when we are escalating to a General Emergency from an Unusual Event.

When escalating from an Alert or a Site Area Emergency to a General Emergency the following function will have been initiated. Review them to assure that all necessary functions are being maintained.

1. Function as an aide to the Emergency Coordinator.
2. Assist the Emergency Coordinator in directing the activities of the incoming support personnel.
3. Provide periodic briefings to emergency personnel at the E.O.F.
4. Direct personnel accountability at the E.O.F.
5. Document recommendations made to off-site authorities.

R

APPENDIX VI

RADIOLOGICAL HABITABILITY ASSESSMENT

This Appendix applies when the initial emergency classification is a General Emergency and when we are escalating to a General Emergency from an Unusual Event.

When escalating to a General Emergency from a Alert or Site Area Emergency, habitability checks will have been completed. Additional habitability checks should be made at the request of the Emergency Coordinator, the Radiological Evaluation Assistant, or the Center Coordinators.

INITIAL/TIME

- 1. Obtain a copy of Procedure 2.50.14, "Emergency Radiation Exposure Control". _____/____
- 2. Obtain a RM-14, a PIC-6A, and a low volume charcoal air sample. Perform the necessary functional checks on the instrumentation. _____/____
- 3. Monitor conditions in the area(s) assigned:

Technical Support Center
 Operational Support Center
 Emergency Operations Facility
 Other areas as requested by the Plant Shift Superintendent, Radiological Control Supervisor, or his alternate.

NOTE: Check pocket dosimeter readings of personnel in each center periodically.

- 4. Place a high range pocket dosimeter in a representative location at each center. _____/____
- 5. Using Table II in Procedure 2.50.14, assess personnel actions with respect to radiological conditions encountered. _____/____
- 6. Report findings and recommendations and submit to the appropriate center coordinator. _____/____

NOTE: Additional information, such as area surveys, should be recorded on the reverse side of form MY-HP-119-81.

NOTE: Start the Continuous Air Monitor located in the Technical Support Center (Computer Room). Use Procedure 9.209 for operating instruction.

EMERGENCY CONDITIONS RADIOLOGICAL ASSESSMENT FORM

Date _____

Time _____

Location of Sampling _____

DATA

Maximum Dose Rate (W.B.) _____

Average Dose Rate (W.B.) _____

Air Sample Results _____

Thyroid Dose Rate _____ (from air sample data
and App. B, Proc. No.
2.50.10 "Evaluation
of Radiological Data)

Recommended Action (From sampling information and specifications in Table 1
of Proc. No. 2.50.14, "Emergency Radiation Exposure Control")

Comments _____

NOTE: Additional information, such as area surveys, should be recorded on
the back of this form.

_____/_____
Surveyor / Date

Dept. Head
Plt. Mgr.
PORC
Mgr. of Ops.

Proc. No. 2.50.11
Class. A
Rev. No. 4
Issue Date 7-16-82
Review Date 7-16-84

2.50.11 PLANT ENTRY AND RECOVERY PLAN

1.0 DISCUSSION

In any plant radiation emergency the immediate action is directed to limiting the consequences of the incident in a manner that will afford maximum protection of the public. Once the immediate protective actions have established an effective control over the incident situation the emergency actions will shift into the recovery phase.

A recovery plan, from a practical standpoint, must be flexible enough to adapt to existing, rather than theoretical conditions. It is not possible to anticipate in advance all of the conditions that may be encountered in an emergency situation; therefore, the Maine Yankee Recovery Plan is addressed to general principles that will serve as a guide for developing a flexible plan of action.

In the period immediately following an incident, initial radiation monitoring functions will involve only gross hazard evaluations and isolation and definition of radiological problem areas. This immediate radiation surveillance activity is intended to provide the basic information for the second stage of the re-entry and recovery operation.

2.0 PURPOSE

Establish a re-entry and recovery plan following a radiation emergency.

3.0 REFERENCES

3.1 Maine Yankee Radiation Protection Manual.

4.0 PRECAUTIONS

4.1 Do not unnecessarily expose yourself to radiation.

5.0 PREREQUISITES

5.1 High range dosimeters will be worn by all personnel.

5.2 All re-entry and recovery teams will have a dose rate measuring instrument with them.

5.3 Respiratory protection devices will be worn by all personnel until airborne concentrations can be determined.

5.4 In the recovery phase all actions will be carefully planned by plant management.

6.1 Planning of Re-entry

- 6.1.1 Review all available radiation surveillance data. Determine plant areas potentially affected by radiation and contamination.
- 6.1.2 Review radiation exposures of personnel to participate in recovery operations. Determine need for additional personnel.
- 6.1.3 Review adequacy of radiation survey instrumentation and equipment (type, ranges, number, calibration etc.).
- 6.1.4 Pre-plan survey team activities:
 - 1. Areas to be surveyed
 - 2. Anticipated radiation levels
 - 3. Radiation survey equipment required
 - 4. Protective clothing and equipment required
 - 5. Access control procedures
 - 6. Exposure control limits on personnel
 - 7. Communications

6.2 Re-entry Survey

- 6.2.1 Conduct comprehensive radiation surveillance of plant facilities and define all radiological problem areas.
- 6.2.2 Isolate and post with appropriate warning signs all "High Radiation Areas", areas of contamination and high airborne activity.
- 6.2.3 Perform visual inspection of plant areas and equipment.

6.3 Evaluation of Conditions

- 6.3.1 Radiological conditions existing in the facility as determined by the re-entry survey will be evaluated by plant management.
- 6.3.2 Upon evaluation of the radiological conditions management will determine:
 - 1. What must be done to restore the plant to normal conditions.
 - 2. What will be required in regard to personnel, equipment, time and facilities.
 - 3. Personnel radiation exposure during the recovery stage of the incident will be closely controlled and documented. Individual exposures shall be in accordance with 10 CFR 20 limits.

4. Recovery and clean-up techniques will be in accordance with recognized health physics principles and procedures.

7.0 FINAL CONDITIONS

- 7.1 Recovery and clean-up of the plant is completed.

Dept. Head [Signature]
Plt. Mgr. [Signature]
PORC [Signature]

Proc. No. 2.50.17
Class. A
Rev. No. 4
Issue Date 7-16-82
Review Date 7-16-84

2.50.17 EMERGENCY NOTIFICATION

1.0 DISCUSSION

Plant resources are anticipated to be sufficient to cope with most of the emergency conditions. The minimum shift staff requirement is designed to handle immediate response to all emergencies. During normal work hours it is expected that personnel on site will cope with all the Plant activities necessary to properly implement emergency procedures. During back shifts and weekends it will be necessary to notify varying numbers of off-duty personnel, depending upon Plant conditions, to report to the Plant.

Notification of off-duty personnel is accomplished through parallel usage of the pager system for speed and extended coverage and the normal two way voice communications for reliability verification and additional information.

Additions or deletions of names and changes of phone numbers of personnel will not require the procedure review process. The revision number of the procedure will be changed with each change made to the personnel lists. The review process will be followed when changes to procedure steps are made or at the two year review interval.

2.0 OBJECTIVE

To outline a system of Plant personnel and outside agency notification that insures that resources are available to implement all emergency actions.

3.0 REFERENCES

Emergency Procedures 2.50.0, 2.50.1, 2.50.2, 2.50.3 and 2.50.4.

4.0 PRECAUTIONS

NA.

5.0 PROCEDURE

- R 5.1 Review Figure 1, page 18, for proper call sequence.
- 5.2 Proceed to the proper appendix to obtain notification lists.
- 5.3 Personnel whose names are underlined have been designated as notification personnel and should have copies of this procedure at home.
- 5.4 Complete notifications in required sequence.
- 5.5 When using the contact lists make the following indications beside each name: a check (v) for completed contacts and a cross (x) for contacts not completed.

5.6 An asterisk (*) in front of a name indicates that the listing is for a duty function only. Do not call this person since he will be contacted from another list.

R 5.7 Emergency Center phone numbers are listed in Table 1, page 19.

6.0 FINAL CONDITIONS

6.1 Required notifications have been made.

APPENDIX A

PLANT SHIFT SUPERINTENDENT - EMERGENCY CALL LIST

1. Maine State Police - Notify for All Emergency Classifications in accordance with notification steps in Procedures 2.50.1, 2.50.2, 2.50.3, or 2.50.4.

Use the first available of the following:

- A. Hotline
- B. State Police Radio
- C. Commercial Telephone:
- D. Microwave to CMP dispatcher - request he notify State Police.

2. On Call Supervisor - Notify for All Emergency Classifications.

The On Call Supervisor schedule is posted in the Control Room.

Call by pager and telephone

Home Tel.

1. Edwin Wood, Plant Manager
2. James Brinkler, Tech. Support Dept. Head/Asst. Plt. Mgr.
3. David Sturniolo, Assistant to Plant Manager
4. Wilbur Paine, A to PM/NS Eng. Supervisor(Cottage
5. Robert Arsenault, Operations Dept. Head
6. Russell Prouty, Maintenance Dept. Head
7. Robert Bickford, Asst. Ops. Dept. Head
8. Gary Cochrane, Radiological Controls Section Head

3. CMP Dispatcher - Notify for All Emergency Classifications.

Use the microwave system.

4. Shift Technical Advisor - Notify for All Emergency Classifications.

Use Plant Femco, phone, or pager.

5. Off-Site Local Assistance - When needed.

Dr. Anthony Keating (Notify for all hospital cases)
 Bath Hospital
 Wiscasset Fire Dept.
 Wiscasset Police Dept.
 Wiscasset Ambulance Service

6.0 NOTIFICATION BY PAGER SYSTEM

NOTE: This system can only be activated by touch tone telephones through the Maine Yankee PBX.

NOTE: Touch tone telephones in the CMP and MY Augusta offices can operate through the MY PBX by dialing for access.

- 6.1 Call extension (this is the extension assigned to the radio pager).
- 6.2 Listen for a single ring, a pause, then a tone.
- 6.3 After hearing the tone, dial the group call number.
- 6.4 Listen for a continuous tone. This tone is being broadcast to all pagers, activates all pagers, and is heard by those carrying them.
- 6.5 After hearing the continuous tone, make the emergency announcement. You have 30 seconds air time, then the transmitter automatically shuts down.
- 6.6 Repeat if necessary.
- 6.7 For Unusual Event
 - 6.7.1 Notify the On-call Supervisor by dialing his individual pager number instead of the number. Instruct the O.C.S. to call the plant.
- 6.8 For Alert
 - 6.8.1 Use the group call.
 - 6.8.2 Personnel receiving the pager notification will verify this notification with the pager personnel in their call group by telephone.
 - 6.8.3 One person will report to the site from each call group, the others will remain on call.
- 6.9 For Site Area and General Emergencies
 - 6.9.1 Use the group call.
 - 6.9.2 Personnel receiving the pager notification will verify this notification with the pager personnel in their call group, by telephone.
 - 6.9.3 All personnel will report to the site.

Pager Numbers

On Call Supervisors

Pager No.

	E. Wood
	J. Brinkler
R	D. Sturniolo
	W. Paine
	R. Arsenault
	R. Bickford
	R. Prouty

Radiological and Chemistry Call Group

	G. Cochrane	Rad.
	G. Pillsbury	Rad.
R	B. Kimball	Rad.
	P. Radsky	Chem.
	W. Lach	Chem.
R	L. Thornburg	Chem.

Maintenance & I & C Call Group

	R. Prouty	Maint.
R	F. Gleason	Maint.
	R. Radasch	I & C
	D. Lemieux	I & C

Reactor Eng. & Computer Call Group

	D. Boynton	RE
	D. Carlton	RE
	J. Connell	Computer
	K. Dymond	Computer

Operational Call Group

R. Arsenault
R. Bickford

Special Call Group

	B. Hoyt	Security
	R. Forrest	Fire
R	S. Brawn	Fire
R	R. Nelson or F. Cayia	Nuclear Safety

Offsite Personnel Group

J. Randazza, Vice Pres. Operations
C. Frizzle, Manager of Operations
J. Garrity, Sr. Director Nuclear Eng. & Licensing
R. Lawton, Director Operational Quality Assurance
J. Hebert, Director Plant Engineering
A. Rivers, Director Operational Support
D. Vigue, Plant Information Officer

APPENDIX B

SHIFT TECHNICAL ADVISOR - EMERGENCY CALL LIST

Includes Nuclear Support Division

1.0 SHIFT TECHNICAL ADVISOR

1.1 Notify NRC for All Emergency Classifications using the Red Phone in the Control Room or Technical Support Center.

Once contact is made the phone should be kept open and manned. The STA should assign an available knowledgeable member of the plant staff to man the phone.

R NOTE: If the Red Phone is inoperable, use the commercial phone for the NRC Operations Center - 202-951-0550.

R 1.2 Notify Maine Yankee Nuclear Support Div. - for All Emergency Classifications. using commercial telephones.

A. Start at the top of the list and work down until a contact is made, advise of the emergency, and instruct him to notify the rest of the personnel on the list.

When a contact is made, make sure that the individual reached has a copy of the phone list so that notification can be continued.

	<u>Name</u>	<u>Office Extension*</u>	<u>Home</u>	<u>Position</u>
	1. Charles Frizzle			Mgr. of Operations
	2. John Garrity			Sr. Dir. Nuc. Eng. & Licensing
	3. Almon Rivers			Director Oper. Support
	4. James Hebert			Director Plant Eng.
	5. Robert Lawton			Director Operational QA
	6. Arthur Shean			Director Training
	7. Stephen Evans			Radiological Analyst
	8. Alan Livingstone			Sr. Staff Engineer
R	9. Michael Whitney			Licensing Engineer
	10. Lee Maillet			Admin. Supv.
	11. William Grant			Asst. to Ops. Director
	12. Howard Jones			Sr. Nuclear Eng.
	13. Melvin Hess			Asst. Engineer
	14. Jerome Casey			QA Engineer
	15. Frederick Drottter			Engineer II
	16. Tedd Gifford			I&C Eng. II
	17. Joseph Atkinson			Procurement Coordinator
	18. Byron Marshall			Security Director
R	19. John Norton			Sr. Staff Engineer (Weekends)
	20. Jeffrey Temple			Licensing Asst.
	21. Patrick Dostie			Radiological Engineer

* Dial then extension

- R 1.3 Notify Yankee Nuclear Support Div. - for Alert, Site Area and General Emergency ONLY.
- R 1.3.1 Call NSD security and report classificaion of emergency
Telephone:
- 1.3.2 Call YNSD 24 hour pager answering service, ZIP-CALL, in Boston.
Telephone:
- 1.3.3 An answering service operator at ZIP-CALL will answer "ZIP-CALL" and request pager number.
- 1.3.4 Give the ZIP-CALL operator pager number:
- 1.3.5 Repeat fifteen minutes later.

APPENDIX C

ON CALL SUPERVISOR - EMERGENCY CALL LIST

NOTE: In each of the following notification lists start at the top of the list and work down until a contact is made.

R When a contact is made, make sure that the individual reached has a phone list - then instruct him to continue the notification process by contacting one notifier from each group in his list. Instruct that person to complete the notification of his group if the emergency requires.

1. Plant Management List

Notification Criteria

Unusual Event - Notify one - Standby.
Alert - Notify all - Report as necessary.
Site Area - Notify all - All report.
General - Notify all - All report.

<u>Name</u>	<u>Home Tel.</u>	<u>Position</u>
1. <u>Edwin Wood</u>		Plant Manager
2. <u>James Brinkler</u>		Tech. Support Head/Asst.Plt.Mgr.
3. <u>David Sturniolo</u>		Asst. to Plant Manager
4. <u>Wilbur Paine</u>		Asst. to Plant Manager

(Cottage)

2. Operations Support List

Notification Criteria

R Unusual Event - Notify one supervisor from each group - Standby.
Alert - Notify one supervisor from each group - Report as necessary.
Site Area - Notify all - Report as required to fill shifts.
General - Notify all - Report as required to fill shifts.

A. Operations Call Group

<u>Name</u>	<u>Home Tel.</u>	<u>Position</u>	<u>Special E Plan Duties</u>
1. <u>Robert Arsenault</u>		Operations Dept. Head	Emerg. Coord.
2. <u>Robert Blackford</u>		Asst. Ops. Dept. Head	First Aid
3. <u>Robert Blackmore</u>		Plant Shift Supt.	First Aid
4. <u>Tom Davin</u>		Plant Shift Supt.	First Aid

	<u>Name</u>	<u>Home Tel.</u>	<u>Position</u>	<u>Special E Plan Duties</u>
	7. <u>Donald Stevenson</u>		Plant Shift Supt.	First Aid
	8. <u>James Weast</u>		Plant Shift Supt.	
R	9. <u>Gerald Lehouillier</u>		Plant Shift Supt.	
	10. <u>William Baxter</u>		Shift Operating Supv.	
	11. <u>John Mathieson</u>		Shift Operating Supv.	
	12. <u>Elmer Jameson</u>		Shift Operating Supv.	
	13. <u>Buddy Banks</u>		Control Room Operator	
	14. <u>John Niles</u>		Control Room Operator	
	15. <u>George Stowers</u>		Shift Operating Supv.	
	16. <u>William Ball</u>		Control Room Operator	
	17. <u>Dean Tibbitts</u>		Alt. Control Room Oper.	
	18. <u>Leonard Germer</u>		Alt. Control Room Oper.	
	19. <u>Ronald Howard</u>		Control Room Operator	
	20. <u>Lawrence Deiley</u>		Control Room Operator	
	21. <u>Robert Meixell</u>		Control Room Operator	
	22. <u>Norman Cowan</u>		Auxiliary Operator	
	23. <u>Alexander Pallang</u>		Auxiliary Operator	
	24. <u>Steve Roy</u>		Auxiliary Operator	
	25. <u>Richard Hamel</u>		Auxiliary Operator	
	26. <u>Thomas Digsby</u>		Alt. Control Room Oper.	
	27. <u>David McCallum</u>		Alt. Control Room Oper.	
	28. <u>Harold Siercks</u>		Alt. Control Room Oper.	
	29. <u>Frank Cordaro</u>		Alt. Control Room Oper.	
	30. <u>Larry Jewett</u>		Alt. Control Room Oper.	
	31. <u>William Sherman</u>		Alt. Control Room Oper.	
	32. <u>Kevin Curran</u>		Alt. Control Room Oper.	
	33. <u>Terry Vogel</u>		Alt. Control Room Oper.	
	34. <u>John Dalton</u>		Auxiliary Operator	
	35. <u>Robert Czachor</u>		Auxiliary Operator	
	36. <u>Kenneth Embry</u>		Auxiliary Operator	
	37. <u>Michael Gabriele</u>		Auxiliary Operator	
	38. <u>Donald Pendagast</u>		Auxiliary Operator	
	39. <u>William Temple</u>		Auxiliary Operator	
	40. <u>David Dargis</u>		Auxiliary Operator	
	41. <u>David Hulburt</u>		Auxiliary Operator	
	42. <u>John Davee</u>		Auxiliary Operator	
	43. <u>Bruce O'Brien</u>		Auxiliary Operator	
	44. <u>Steve Smith</u>		Auxiliary Operator	
	45. <u>Donald Dygert</u>		Auxiliary Operator	
	46. <u>Alan Jones</u>		Auxiliary Operator	
	47. <u>Donald McDougall</u>		Auxiliary Operator	
	48. <u>Randall Gordon</u>		Auxiliary Operator	
	49. <u>Terry White</u>		Auxiliary Operator	
R	50. <u>Thomas Carmody</u>		Auxiliary Operator	
R	51. <u>Thomas Hall</u>		Auxiliary Operator	

Special
E Plan Duties

Name Home Tel. Position

B. Maintenance Call Group

	1.	<u>Russell Prouty</u>		Maintenance Dept. Head Emerg. Coord.	
	2.	<u>Frank Gleason</u>		Maintenance Section Head	
	3.	<u>Ted Davis</u>		Outage Coordinator	
R	4.	<u>Donald Gauvreau</u>		Maint. Supervisor	
R	5.	<u>Keven Vachon</u>		Maint. Supervisor	
	6.	<u>Fred Klein</u>		Constr. Coord.	
	7.	<u>Richard Reed</u>		Lead Plt. Mech.	
	8.	<u>Louis Loon</u>		Lead Plant Mech.	
	9.	<u>Alton Andrews</u>		Plant Mech. "A"	
	10.	<u>Edmond Begin</u>		Plant Mech. "A"	
	11.	<u>Bruce Greenleaf</u>		Plant Mech. "A"	
	12.	<u>Keith Nuzzo</u>		Lead Plant Mech. "A"	
	13.	<u>John O'Brien</u>		Plant Mech. "A"	
	14.	<u>Richard Oulton</u>		Plant Mech. "A"	
	15.	<u>Larry Smith</u>		Plant Mech. "A"	
	16.	<u>Robert Stevens</u>		Lead Plant Mech. "A"	
R	17.	<u>Doug Grotton</u>		Plt. Mech. "A"	
R	18.	<u>Steve Christiansen</u>		Admin. Aide	
	19.	<u>Richard Boucher</u>		Asst. Plt. Mech. "A"	
	20.	<u>Edward Bleile</u>		Asst. Plt. Mech. "A"	
R	21.	<u>Arnold Parker</u>		Asst. Plt. Mech. "A"	
R	22.	<u>David Erickson</u>		Asst. Plt. Mech. "A"	
R	23.	<u>John Harvey</u>		Asst. Plt. Mech. "A"	
R	24.	<u>Gilbert Shipe</u>		Asst. Plt. Mech. "A"	
R	25.	<u>Linwood Arsenault</u>		Asst. Plt. Mech. "A"	
R	26.	<u>Herman Lovejoy</u>		Asst. Plt. Mech. "A"	

C. Instrument & Control

	1.	<u>Rockwell Radasch</u>		I&C Section Head	
	2.	<u>Dan Lemieux</u>		I&C Foreman	
	3.	<u>Rod Emerick</u>		I&C Tech.	Offsite Survey
	4.	<u>David Cook</u>		I&C Tester	Offsite Survey
	5.	<u>Toby Harkins</u>		Admin. Aide	
	6.	<u>Brian Davidson</u>		I&C Tech.	
	7.	<u>Mark Dover</u>		I&C Tester	Offsite Survey
R	8.	<u>Edmond Giroux</u>		I&C Tester	Offsite Survey
R	9.	<u>Robert Higgins</u>		I&C Tester	Offsite Survey
R	10.	<u>William Portela</u>		I&C Tester	Offsite Survey
R	11.	<u>James Brannon</u>		I&C Tester	

Special

3. Technical Support List

Notification Criteria

- Unusual Event - Notify one from each group - Standby.
- Alert - Notify one from each group - Report as necessary.
- Site Area - Notify all - Report as required to fill shifts.
- General - Notify all - Report as required to fill shifts.

A. Radiological Control and Chemistry Call Group

	<u>Name</u>	<u>Home Tel.</u>	<u>Position</u>	<u>E Plan Duties</u>
	1. <u>Gary Cochrane</u>		Rad. Cont. Sect. Head	Rad. evaluation
	2. <u>George Pillsbury, Jr.</u>		Asst. Rad. Cont. Sect. Head	Rad. evaluation
R	3. <u>Blaine Kimball</u>		Rad. Control Foreman	
	4. <u>Douglass Bertrand</u>		HP Specialist	
R	5. <u>James Hummer</u>		HP Specialist Trainee	
R	6. <u>Gregory Kapinos</u>		HP Specialist Trainee	
	7. <u>Frank Setchell</u>		HP Specialist Trainee	
R	8. <u>John Apland</u>		C & HP Tech. "S"	Off site survey
R	9. <u>Keith Ball</u>		C & HP Tech. "S"	Off site survey
R	10. <u>Gary Hayward</u>		C & HP Tech. Tester	Off site survey
R	11. <u>Michael Isham</u>		C & HP Tech. "S"	Off site survey
R	12. <u>Thomas Langdon</u>		C & HP Tech. "S"	Off site survey
	13. <u>Clifford Young</u>		Tech. "S"	Off site survey
	14. <u>Peter Houdlette</u>		Tech. "S"	Off site survey
	15. <u>Mark Hinkley</u>		C & HP Tester	Off site survey
	16. <u>Steve Shelanskey</u>		C & HP Tech. "S"	Off site survey
	17. <u>Dennis Hickey</u>		C & HP Tester	Off site survey
R	18. <u>David Day</u>		Eng. Aide	Dosimetry
R	19. <u>Kathryn Stead</u>		Admin. Aide	Dosimetry
 Chemistry				
	1. <u>Peter Radsky</u>		Chemistry Sect. Head	Rad. evaluation
	2. <u>Walter Lach</u>		Radiochemist	Rad. evaluation
	3. <u>Larry Thornoerg</u>		Sec. Systems Chem.	Off site survey
R	4. <u>Paul Stover</u>		Chem. Tech.	Off site survey
R	5. <u>Clifford Haynes</u>		Chem. Tech.	Off site survey
R	6. <u>Mark Hovey</u>		Chem. Trainee	

B. Reactor Engineering and Computer Call Group

	1. <u>David Boynton</u>		Reactor Eng. Sect. Head	Rad. evaluation
	2. <u>David Carlton</u>		Reactor Engineer	
	3. <u>John Card</u>		Performance Eng.	
R	4. <u>Stephen LaFlamme</u>		Asst. Engineer	

*Indicates that listed person will be contacted from another list - DO NOT CALL

	<u>Name</u>	<u>Home Tel.</u>	<u>Position</u>	<u>Special E Plan Duties</u>
	<u>Computer Engineering</u>			
R	1. <u>James Connell</u>		Computer Sect. Head	
R	2. <u>Kenneth Dymond</u>		Computer Engineer	
	3. <u>Robert Gross</u>		Systems Analyst	
	4. <u>Walter Davis</u>		Systems Analyst	
R	5. <u>Martha Taylor</u>		Asst. Systems Analyst	
	6. <u>James Whyte</u>		Sr. Systems Analyst	
	<u>C. Plant Engineering & Nuclear Safety Engineering Group</u>			
R	1. <u>Roger Jutras</u>		Lead Elect. Engineer	
R	2. <u>Lincoln Speed</u>		Lead Engineer	
R	3. <u>Mike Veilleux</u>		Lead Mech. Engineer II	
	4. <u>Ron Grant</u>		Elect. Engineer	Off site survey
R	5. <u>Leon Cummings</u>		Engineering Aide	Off site survey
R	6. <u>David Ross</u>		Lead Eng. Asst.	Off site survey
	7. <u>Clayton Giggey</u>		Mech. Engineer I	Off site survey
	8. <u>Thomas Howard</u>		Mech. Engineer II	Off site survey
	9. <u>Richard Lisbomb</u>		Mech. Engineer	Off site survey
R	10. <u>Bradford Snow</u>		Mech. Engineer II	Off site survey
R	11. <u>William Tracey</u>		Elect. Engineer	Off site survey
R	12. <u>Craig Cole</u>		Elect. Engineer	Off site survey
R	13. <u>Hugh Madden</u>		Elect. Engineer	Off site survey
R	14. <u>Richard McGrath</u>		Mech. Engineer	Off site survey
R	15. <u>Lloyd Savage</u>		Eng. Asst. II	Off site survey
	<u>Nuclear Safety Engineering</u>			
	1. <u>Robert Nelson</u>		Nuclear Safety Engineer	
	2. <u>Frederick Cayia</u>		Nuclear Safety Engineer	
	3. <u>Thomas Tiffany</u>		Trainee Opr. Support Dept.	

4. Emergency Coordination List

Notification Criteria

Unusual Event - Notify as necessary.

Alert - Notify one from each Group - report as necessary.

Site Area - Notify all - All report.

General - Notify all - All report.

*Indicates that listed person will be contacted from another list - DO NOT CALL

	<u>Name</u>	<u>Home Tel.</u>	<u>Position</u>	<u>Special E Plan Duties</u>
A. Qualified Emergency Coordinators				
	* 1. E. C. Hood		Plant Manager	
	* 2. J. E. Brinkler		Tech. Support Dept. Head/Asst. Plt. Mgr.	
	* 3. W. J. Paine		Operations Dept. Head	
	* 4. D. Sturniolo	Cottage	Asst. to Plant Manager	
	* 5. R. F. Prouty		Maintenance Department Head	
	* 6. R. E. Arsenault		Plant Shift Supt.	
	* 7. R. L. Bickford		Plant Shift Supt.	
	* 8. T. R. Davin		Plant Shift Supt.	
	* 9. D. J. Stevenson		Plant Shift Supt.	
	*12. R. W. Blackmore		Plant Shift Supt.	
R	*13. J. V. Weast		Plant Shift Supt.	
R	*14. G. D. Cochrane		Rad Control Sect. Head	

B. Qualified Offsite Survey Personnel

R	* 1. C. R. Haynes		Chem. Tech.	
R	* 2. T. D. Langdon		C & HP Tech. "S"	
R	* 3. L. D. Thornberg		Sec. System Chem.	
R	* 4. P. J. Stover		Chem. Tech.	
	5. D. E. Sellers		Haz. Waste Coord.	
	* 6. M. C. Hinkley		C & HP Tester	
	* 7. D. L. Hickey		C & HP Tester	
	* 8. R. D. Emerick		I & C Technician	
	* 9. C. A. Young		I & C Technician	
	*10. R. B. Liscomb		Mech. Engineer	
	*11. P. D. Houdlette		C & HP Tech. "S"	
	*12. D. P. Ross		Engineering Aide	
	*13. B. F. Davidson		I & C Tester	
	*14. R. E. Grant		Elect. Engineer	
	*15. W. H. Tracey		Elect. Engineer	
	*16. D. A. Cook		I & C Tester	
R	*17. L. F. Cummings		Engineering Aide	
R	*18. M. S. Dover		I & C Tester	
R	*19. E. G. Giroux		I & C Tester	
R	*20. R. Higgins		I & C Tester	
R	*21. G. J. Hayward		C & HP Tester	
R	*22. M. N. Isham		C & HP Tech. "S"	
R	*23. S. K. Shelansky		C & HP Tech. "S"	
R	*24. K. F. Ball		C & HP Tech. "S"	
R	*25. C. A. Cole		Elect. Engineer	
R	*26. T. P. Howard		Mech. Engineer II	
R	*27. H. E. Madden		Elect. Engineer	
R	*28. R. S. McGrath		Mech. Engineer	
R	*29. L. R. Savage		Engineering Asst. II	
R	*30. B. E. Snow		Mech. Engineer II	
R	*31. P. J. Cereste		Instructor	
R	*32. G. M. Morrison		Instructor	

	<u>Name</u>	<u>Home Tel.</u>	<u>Position</u>	<u>Special E Plan Duties</u>
R	*33. O. J. Thiboutot		Instructor	
R	*34. J. M. Appland		C & HP Tech. "S"	
C. Qualified Radiological Evaluation Assistants				
	* 1. D. Sturniolo		Asst. to Plt. Mgr.	Emerg. Coord.
	* 2. G. D. Cochrane		Rad. Cont. Sect. Head	Emerg. Coord.
	* 3. G. Pillsbury Jr.		Asst. Rad. Cont. Sect. Head	
	4. J. L. Stevens		Supvr. Training	
R	* 5. P. B. Radsky		Chemistry Sect. Head	
	* 6. W. A. Lach		Radiochemist	
R	* 7. D. B. Boynton		Reactor Engineer	
	8. R. H. Nelson		Nuclear Safety Advisor	
R	* 9. B. M. Kimball		Rad Control Foreman	
D. Qualified Communications Assistants				
R	* 1. <u>B. M. Kimball</u>		Rad Control Foreman	
	* 2. <u>R. H. Nelson</u>		Nuclear Safety Advisor	
R	3. <u>P. J. Cereste</u>		Instructor	
R	4. M.D. Evringham		Sr. Instructor	
E. First Aid				
	1. <u>M. Barbetta</u>		Health & Safety Director	
	2. <u>R. C. Forrest</u>		Facilities Section Head	
	3. All Plant Shift Superintendents			
F. Switchboard Operators				
	1. D. S. Stackpole		General Clerk	
	2. N. A. Leavitt		Senior Clerk	
	3. D. V. Gilpatrick		General Clerk	
G. Manpower Coordinators				
	1. E. C. Sullivan		Admin. Supervisor	
	2. M. A. Larrabee		General Clerk	
	3. N. A. Leavitt		Senior Clerk	
	4. D. V. Gilpatrick		General Clerk	

*Indicates that listed person will be contacted from another list - DO NOT CALL

H. American Nuclear Insurers

NOTE: ANI maintains a 24-hour coverage emergency notification number. The number is [redacted] During normal office hours (8:00 a.m. - 4:00 p.m.) this number will be answered by a receptionist who will transfer an incoming emergency call to an appropriate individual in the office. Outside of normal office hours this phone line is covered by an answering service. The answering service will intercept the call and obtain the name, affiliation, and phone number of the caller. They will then notify a designated ANI staff member who will in turn call back the facility to obtain appropriate information regarding the nuclear accident.

R I. INPO

Emergency Call Number [redacted] Use this number if a management decision is made to request INPO assistance.

R J. Wayne Mahar Weather Associates

Phone Number [redacted]

Use this number to obtain local area weather forecasts.

R K. Bailey House - Environmental Personnel

Regular Business Hours - Ext. [redacted]
Phone No. [redacted]

Off Duty Hours

Carrol Morse
Glenn Nutting
Roger O'Clair

Field Supervisor
Biologist
Biologist Tech.

R L. New Castle District Office

Use either number at all times.

NOTE: During Non-Business Hours your call will be directed to the Augusta Office. Read the following message: "This is [redacted] from the Maine Yankee Plant, please contact the Duty Supervisor for the New Castle District Office and inform him that he should open the office and prepare for the arrival of Yankee Mobile Emergency Vans". Check to assure that the message is understood.

During Regular Business Hours you will get the New Castle Office directly. Tell them who you are and where you are from and that they should prepare for the arrival of the Yankee Mobile Emergency Vans.

APPENDIX D

CMP DISPATCHER - EMERGENCY CALL LIST

NOTE: In each of the following notification lists, start at the top of the list and work down until a contact is made.

When a contact is made, make sure that the individual reached has a phone list so that notification can be continued if necessary.

Corporate Management List - Notify for all emergency classifications.

Work day office number: Dial 72, then extension

	<u>Office Extension</u>	<u>Home</u>
1. J. B. Randazza		
2. C. E. Monty		

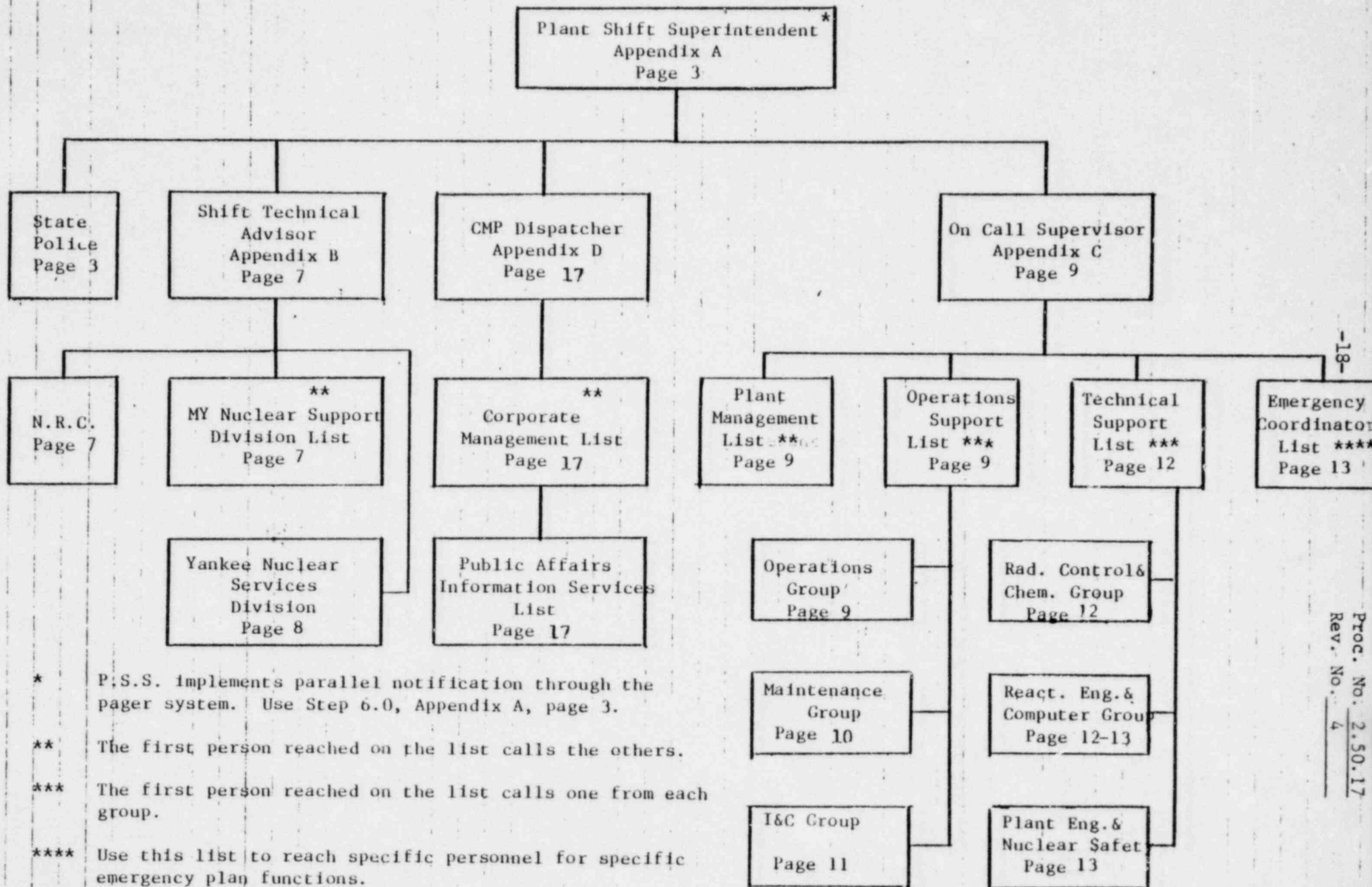
Public Affairs Information Service List - Notify for all emergency classifications.

	<u>Office Extension</u>	<u>Home</u>
1. D. E. Vigue		
2. P. G. Thompson		

CORPORATE MANAGEMENT AND PAIS RESPONSE ASSIGNMENTS

<u>Emergency Level</u>	<u>Response</u>
Unusual Event (least severe)	Complete the notification process and stand by.
Alert	Complete the notification process and stand by.
Site Area Emergency	Complete the notification process and report as appropriate.
General Emergency (most severe)	Complete the notification process and report as appropriate.

FIGURE 1



* P.S.S. implements parallel notification through the pager system. Use Step 6.0, Appendix A, page 3.

** The first person reached on the list calls the others.

*** The first person reached on the list calls one from each group.

**** Use this list to reach specific personnel for specific emergency plan functions.

NOTE: Make sure the notifier you call to continue the call list has a copy of this procedure.

R

EMERGENCY PLAN PHONE DIRECTORY

Emergency Operations Center

Emergency Coordinator
Asst. Emergency Coordinator
Radiological Evaluation Asst.
Manpower Coordinator

Operational Support Center

O.S.C. Coordinator
Health Physics
Security Supervisor

Technical Support Center

T.S.C. Coordinator (Eng. Bldg.)
(Computer Room)

Dept. Head NA
Plt. Mgr. NA
PORC NA
Mgr. of Ops. NA

Proc. No. 2.50.18
Class. A
Rev. No. 1
Issue Date 7-16-82
Review Date 7-16-84

2.50.18 OPERATIONS SUPPORT CENTER

DISCUSSION

An operations support center has been designated to serve as a staging area for plant operations and operations support personnel who take direction from the control room but who need not be physically present in the control room for duty, briefings, or while awaiting assignment. The location and layout of the operations support center are shown on Figure 1.

1.0 OBJECTIVE

To describe staffing of the operations support center; to describe lines and methods of communications between management, the control room, and the operations support center.

2.0 REFERENCES

2.1 Other

- R 2.1.1 Procedure 2.50.2 "Alert".
- R 2.1.2 Procedure 2.50.3 "Site Area Emergency".
- R 2.1.3 Procedure 2.50.4 "General Emergency".
- R 2.1.4 Maine Yankee Emergency Plan Vol II.

3.0 PROCEDURE

3.1 Staffing

- R 3.1.1 During regular work days, operating personnel not on the duty shift will report to the Operations Support Center (O.S.C.). Designated Chemistry and Health Physics personnel are assigned to the O.S.C. as specified in Emergency Procedures 2.50.2, 2.50.3, and 2.50.4. The Senior Operations Supervisor present assumes the Center Coordinator position.
- R During backshifts, weekends, or holidays Operations, Chemistry, and Health Physics personnel reporting to the site will check in at the Emergency Operations Facility (E.O.F.) and be accounted for and assigned to the O.S.C. as required.
- R 3.1.2 Members of the maintenance staff may be assigned to the operations support center after they have been accounted for at their normal work location or at the emergency coordination center.

3.2 Activation

- 3.2.1 The operations support center is activated upon declaration of an alert or higher category emergency.
- R 3.2.2 It is deactivated at the discretion of the Plant Manager or the Emergency Coordinator.

3.3 Communications

- 3.3.1 Channel three of the plant paging system is reserved for operations use during emergency conditions and other use is prohibited. Communications between the OGC and control room are via this link. The plant telephone system serves as a backup.
- R 3.3.2 Instructions and assignments to Operations personnel in the operations support center are relayed by the control room under the cognizance of the plant shift superintendent.
- R 3.3.3 Health Physics personnel will support operational or maintenance activities under the direction of an H.P. Supervisor. Instructions or assignments for H.P. or Chemistry personnel may be made by the Emergency Coordinator, Radiological Evaluation Asst., or the Technical Support Coordinator via the plant paging system or phone system.

3.4 Evacuation of the Operations Support Center

- 3.4.1 Should it become necessary to evacuate the operation support center because of direct radiation, airborne or surface contamination, the plant shift superintendent will designate an alternate location and method of communication with the control room.

3.5 Lines of Authority and Communication

- 3.5.1 Figure 2 shows the plant emergency organization.
- 3.5.2 The plant manager directs the activities of operations, technical support, emergency coordination, and public affairs.
- 3.5.3 In a serious emergency condition, the president of Maine Yankee may direct a corporate officer to assume overall control of emergency activities and to direct and coordinate the activities of outside support not involved in technical support of the emergency activities and to direct and coordinate the activities of outside support not involved in technical support at the plant level, plant activities, and corporate public affairs.
- 3.5.4 Organizational entities shown in Figure 2 are authorized to take direction from the source indicated by the vertical indicated lines of authority. It is preferable that no one in the chain of command be bypassed. Should it become necessary to bypass someone in the chain of command, that individual will be informed of the action directed or taken as soon as possible.

3.5.5 Organizational entities shown in Figure 2 are authorized to take direction from the source indicated by the vertical indicated lines of authority. It is preferable that no one in the chain of command be bypassed. Should it become necessary to bypass someone in the chain of command, that individual will be informed of the action directed or taken as soon as possible.

4.0 FINAL CONDITION

4.1 The operations support center has been deactivated i.a.w. Section 3.2.2 above.

Figure 2
Emergency Organization

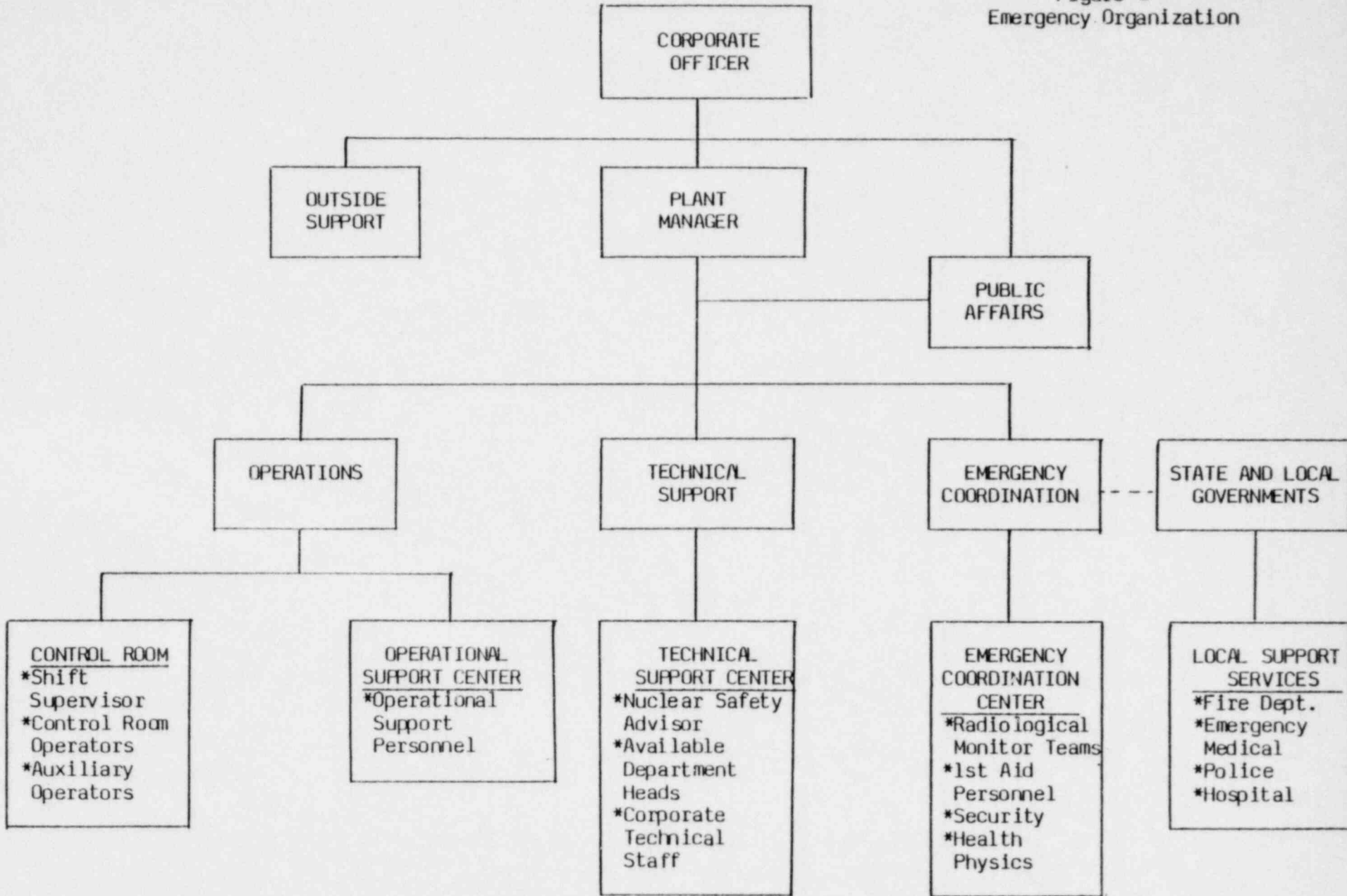
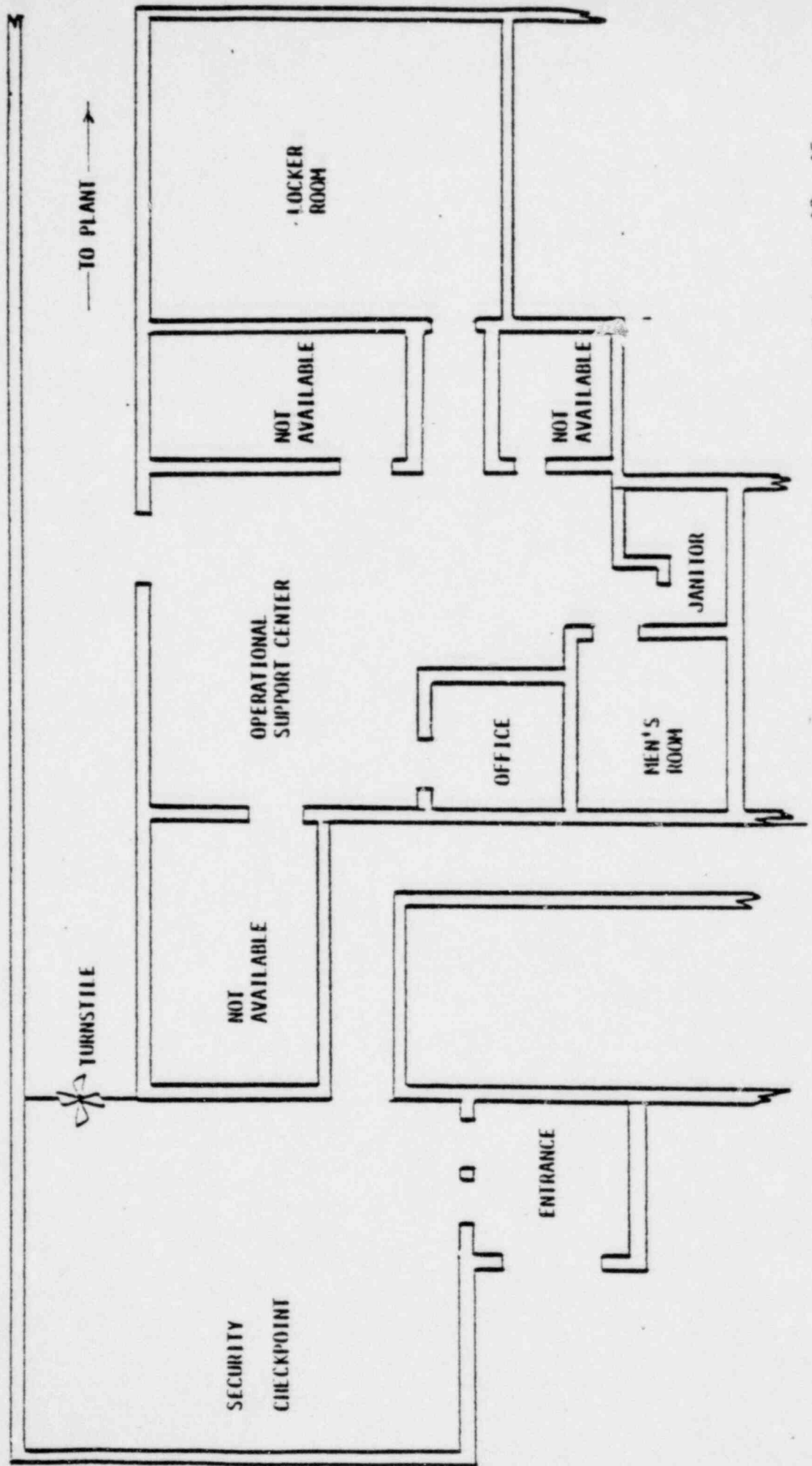


FIGURE 1 OPERATIONAL SUPPORT CENTER AND SECURITY CHECKPOINT



Dept. Head	<u>NA</u>	Proc. No.	<u>2.50.19</u>
Plt. Mgr.	<u>ADH/ELW</u>	Class.	<u>A</u>
PORC	<u>NA</u>	Rev. No.	<u>1</u>
Mgr. of Ops.	<u>NA</u>	Issue Date	<u>7-16-82</u>
		Review Date	<u>7-16-84</u>

2.50.19 TECHNICAL SUPPORT CENTER

DISCUSSION

In order to provide technical and management support for operations during plant emergencies, Maine Yankee has established a Technical Support Center in which certain technical and management personnel will assemble to:

1. Monitor the status and trends of the reactor core during accident conditions to predict, evaluate, and limit core damage.
2. Monitor the status and trends in containment during accident conditions to evaluate, predict, and limit releases of radioactive material.
3. Monitor the status and trends of those systems which provide reactivity control, heat removal, and containment integrity capabilities to provide the operator with alternate methods for performing these vital functions.
4. Monitor the status of plant information systems to ensure reliability of the parameters used for Items 1 through 3 above and provide the operator with a reliability assessment of control parameters when in doubt.
5. Provide for operational assessment of the above four functions and translate their results into recommendations for shift operating personnel.
6. Provide for management decisions to determine the overall course of action to be taken during accident situations, and provide liaison with senior NRC management control.
7. Provide information as required to the emergency coordination center and control room.

These functions can be carried out in the Technical Support Center without hindering control room operations.

The Technical Support Center consists of the plant computer center and the second floor of the technical support building. As shown in Figure 1, the computer center is adjacent to the control room and connected to the second floor of the technical support building by a stairway. This arrangement provides 3252 ft² of space divided into offices, file space, computer space and a sanitary facility.

Access to the control room is provided for key personnel. Normal access is provided through either the turbine hall or outside door at the east end of the technical support building.

The Technical Support Center provides two levels of radiological protection. The computer room is at the same elevation as the control room and is within a steel framed concrete filled block wall structure which shares ventilation with the control room. Its habitability would be challenged only in the most extreme circumstances. The sector located on the second floor of the technical support building is monitored by portable radiation monitors. In the event that this area becomes uninhabitable, the functions of this area would transfer to the computer and control rooms. Following activation, the technical support center is surveyed periodically for direct radiation and airborne or surface contamination.

Therefore the plant computer, a high speed line printer, and I/O console are located in the Technical Support Center. Most parameters necessary for assessment of plant status are available independent of control room instruments. Others can be obtained from the control room.

Up-to-date plant design documents are routinely maintained in the drawing file section shown in Figure 1 and therefore are readily available to support technical support center functions. Copies of plant procedures and the FSAR are also readily available.

The Technical Support Center is provided with direct communications with the NRC, control room, emergency coordination center, emergency news element, the Yankee Nuclear Services in Westboro, state police, State Emergency Operations Center, Department of Energy, Corporate Headquarters and Plant Security as shown in the attached table.

1.0 Objective

To describe engineering/management support and staffing of the Technical Support Center; to describe dedicated communications links between the Technical Support Center, Control Room, and NRC; to provide for accident assessment if the Technical Support Center becomes uninhabitable.

2.0 REFERENCES

- R 2.1 Procedure 2.50.2 "Alert".
- R 2.2 Procedure 2.50.3 "Site Area Emergency".
- R 2.3 Procedure 2.50.4 "General Emergency".
- R 2.4 "Maine Yankee Emergency Plan Vol. II".

3.0 PROCEDURE

3.1 Engineering/Management Support and Staffing

- 3.1.1 The Technical Support Center activities are carried out under the direction of the technical support department head or in his absence, a temporary Technical Support Coordinator appointed by the plant manager or his designated alternated.

3.1.2 The Technical Support Center is staffed by the Nuclear Safety Advisor, plant technical support department personnel, available department heads, and in the long term by non-plant technical personnel. These personnel report to the technical support center when notified of the existence of an emergency condition or when called in from offsite.

The Technical Support Coordinator is authorized to exclude or excuse personnel from the Technical Support Center, and to schedule personnel for long term coverage.

3.2 Activation of the Technical Support Center

3.2.1 The Technical Support Center is activated when an alert or higher category emergency is declared.

R 3.2.2 The Technical Support Center is deactivated at the direction of the plant manager, or the Emergency Coordinator.

3.3 Communications

3.3.1 During an emergency condition, channel four of the plant paging system is restricted to use in communications between the technical support center and control room. Channel two is restricted to use in communications between one technical support center and the emergency coordination center. Use of these channels for other purposes is prohibited.

An extension of the dedicated phone to the NRC is installed in the lower level of the Technical Support Center.

Technical support recommendations will be made by the Technical Support Coordinator to the senior operations department member on duty in the control room.

R Communications links are further detailed in Table 1.

3.4 Evacuation of the Technical Support Center

3.4.1 In the event the technical support center becomes uninhabitable, the technical support coordinator will select key personnel and direct them to evacuate to the lower level of the technical support center or control room. Others will be directed to evacuate elsewhere.

3.4.2 The technical support coordinator will direct relocation of technical support center design files as necessary during the evacuation.

3.4.3 In the event it becomes necessary to evacuate to the control room, the technical support coordinator will consult with the senior control room operations department member to determine the best way to perform accident assessment without unduly disturbing the operations staff or obstructing their view of control board instruments and equipment and direct this assessment.

- 3.4.4 When the technical support center again becomes habitable, the technical support coordinator will direct relocation of the technical support staff to their primary activity area.

3.5 Lines of Authority and Communication

- R 3.5.1 Figure 2 shows the plant emergency organization.
- 3.5.2 The plant manager directs the activities of operations, technical support, emergency coordination and public affairs.
- 3.5.3 The president of Maine Yankee may direct a corporate officer to assume overall control of emergency activities and to direct and coordinate the activities of outside support not involved in technical support at the plant level, plant activities, and corporate public affairs.
- R 3.5.4 Organizational entities shown in Figure 2 are authorized to request and provide information and recommendations from other entities t the same level.
- R 3.5.5 Organizational entities shown in Figure 2 are authorized to take direction from the source indicated by the vertical indicated lines of authority. It is preferable that no one in thechain of command be bypassed. Should it become necessary to bypass someone in the chain of command, that individual will be informed of the action directed or taken as soon as possible.

4.0 FINAL CONDITIONS

- 4.1 The technical support center has been deactivated.

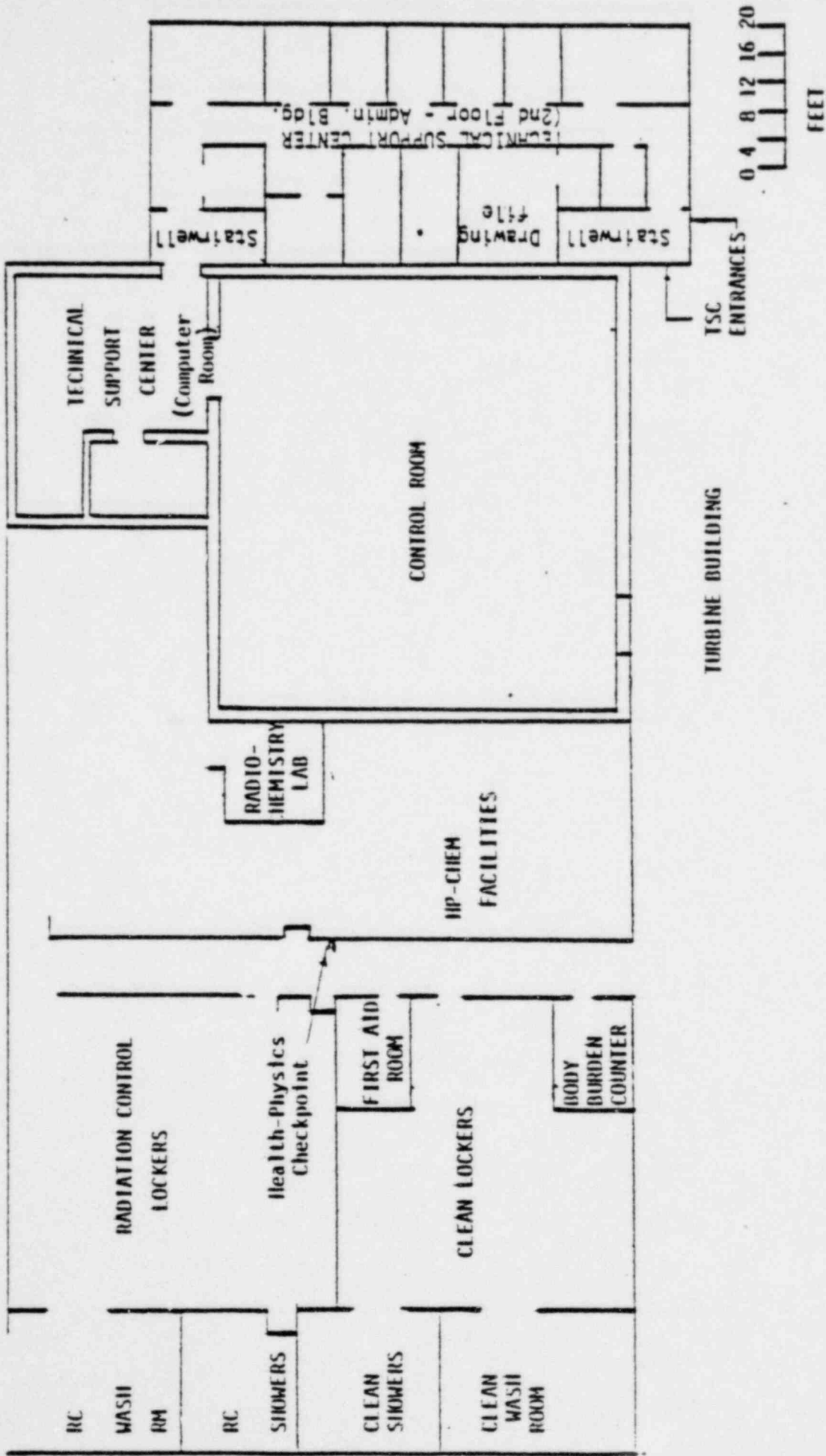


FIGURE 1 CONTROL ROOM, TECHNICAL SUPPORT CENTER AND HEALTH PHYSICS CHECKPOINT AREA

Communications Facilities From These Locations
To Locations Listed on Left Column

Telephone Intercom. Two-way Radio 1/30/80	Control Room	Technical Support Center	Emergency Coord. Center
Control Room		9,10	7, 9, 10
Technical Support Center	9, 10		9, 10
Emergency Coordination Center	7, 9, 10	9, 10	
State Police	1, 2, 6, 7, 11	1, 2, 6, 11	1, 2, 6, 7
State EOC (CEP)	1, 2, 6, 11	1, 2, 6	1, 2, 5, 6
NRC	1, 2, 4, 11	1, 2, 4	1, 2, 3, 4
DOE Department of Energy	1, 2	1, 2	1, 2, 3
Corp. Headquarters (Augusta)	1, 2, 6, 11	1, 2, 6	1, 2, 3, 6
Yankee Nuclear Service Division	1, 2, 6, 12	1, 2, 6, 12	1, 2, 3, 6, 12
Emergency News Element	1, 2, 6	1, 2, 6	1, 2, 3, 6
Plant Security	9, 10	9, 10	3, 9, 10

TABLE 1

MAINE YANKEE COMMUNICATIONS FACILITIES

<u>TYPE</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>FACILITY</u>
1	Wiscasset Exchange Trunk PBX Dial Access	3	NET&T
2	Bath Exchange Trunk PBX Dial Access	2	NET&T
3	Wiscasset Exchange Line Private Dial Telephone	1	NET&T
4	Nuclear Regulatory Commission	1	AT&T
5	Civil Emergency Preparedness Private Dial Telephone	1	NET&T
6	Central Maine Power Company Dial Tielines	3	CMP Microwave
7	State Police Radio System		
8	Maine Yankee Security Radio		
9	Plant Telephones PBX Dial		
10	Plant Intercom System 4 Lines + Paging		
11	CMP Dispatcher Augusta (For emergency use with patch to other locations)	1	CMP Microwave
12	Yankee Nuclear Services Division PABX Dial Tieline	1	Utility Microwave System

TABLE 1 (cont)

Figure 2
Emergency Organization

